A P P E N D I C E S

APPENDIX A

Laboratory Analytical Reports – Soil Gas Sampling Results - May 2006

APPENDIX A.1

Mobile Laboratory Report (TEG)

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

12 June 2006

Ms. Anne Gates
Environ
6001 Shellmound St., Suite 700
Emeryville, CA 94608

SUBJECT: DATA REPORT - Environ Project # 03-11903E
Hitachi GST - 5600 Cottle Road, San Jose, California

TEG Project # 60515D

Ms. Gates:

Please find enclosed a data report for the samples analyzed from the above referenced project for Environ. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 40 analyses on 40 soil vapor samples.

-- 40 analyses on soil vapors for selected volatile organic hydrocarbons by EPA method 8260B.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

1,1 difluoroethane was used as a leak check compound around the probe rods during the soil vapor sampling. No 1,1 difluoroethane was detected in any of the vapor samples reported at or above the DTSC recommended leak check compound reporting limit of 10 ug/L of vapor.

TEG appreciates the opportunity to have provided analytical services to Environ 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

teg

Environ Project # 03-11903E
5600 Cottle Road, San Jose, California

TEG Project #60515D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		Probe Blank	Probe Blank	Probe Blank	SG-26-1 @ 5	SG-26-1 @ 5	SG-26-1 @ 5	SG-26-1 @ 15
SAMPLE DEPTH (feet):					5.0	5.0	5.0	12.0
PURGE VOLUME:					1	3	7	1
COLLECTION DATE:		5/15/06	5/16/06	5/17/06	5/15/06	5/15/06	5/15/06	5/15/06
COLLECTION TIME:		08:55	08:45	09:00	09:17	09:38	09:59	10:30
DILUTION FACTOR (VOCs):	RL	1	1	1	1	1	1	1
Dichlorodifluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.080	nd	nd	nd	0.16	0.15	0.15	0.23
Methylene Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroform	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	0.089
Carbon Tetrachloride	0.080	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Benzene	0.080	nd	nd	nd	0.095	nd	nd	nd
Trichloroethene	0.080	nd	nd	nd	nd	nd	nd	0.36
Toluene	0.080	nd	nd	nd	0.58	0.38	0.38	0.35
1,1,2-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.080	nd	nd	nd	0.12	0.090	0.10	0.092
1,1,1,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.080	nd	nd	nd	0.45	0.37	0.43	0.38
o-Xylene	0.080	nd	nd	nd	0.15	0.11	0.14	0.12
1,1,2,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
TPH (gas range)	5.0	nd	nd	nd	36	19	14	7.6
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		104%	104%	106%	112%	110%	111%	114%
Surrogate Recovery (1,2-DCA-d4)		116%	111%	108%	119%	121%	121%	119%
Surrogate Recovery (Toluene-d8)		114%	114%	111%	119%	116%	117%	115%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. John Henkelman

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Environ Project # 03-11903E
5600 Cottle Road, San Jose, California

TEG Project #60515D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		SG-26-2 @ 5	SG-26-2 @ 15	SG-26-3 @ 5	SG-26-3 @ 10	SG-26-3 @ 10 dup	SG-26-4 @ 5	SG-26-4 @ 15
SAMPLE DEPTH (feet):		5.0	9.0	5.0	9.0	9.0	5.0	10.0
PURGE VOLUME:		1	1	1	1	1	1	1
COLLECTION DATE:		5/15/06	5/15/06	5/15/06	5/15/06	5/15/06	5/15/06	5/15/06
COLLECTION TIME:		10:55	11:30	11:45	13:37	14:13	13:53	14:35
DILUTION FACTOR (VOCs):	RL	1	1	1	1	1	1	1
Dichlorodifluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.080	nd	nd	0.47	0.17	0.15	nd	0.12
1,1,2-Trichloro-trifluoroethane	0.080	0.38	0.33	0.29	0.18	0.16	0.24	0.13
Methylene Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.080	nd	nd	0.16	nd	nd	nd	nd
Chloroform	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.080	0.18	0.17	nd	nd	nd	0.55	0.24
Carbon Tetrachloride	0.080	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Benzene	0.080	nd	nd	nd	0.10	0.12	0.13	nd
Trichloroethene	0.080	nd	0.32	7.1	5.8	5.2	0.80	2.0
Toluene	0.080	0.46	0.29	0.44	0.46	0.42	0.41	0.18
1,1,2-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.080	0.12	nd	0.098	0.12	0.11	0.11	nd
1,1,1,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.080	0.47	0.27	0.38	0.46	0.41	0.43	0.15
o-Xylene	0.080	0.15	0.080	0.12	0.15	0.14	0.13	nd
1,1,2,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
TPH (gas range)	5.0	18	6.7	21	23	19	8.5	8.5
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		111%	112%	109%	109%	107%	108%	109%
Surrogate Recovery (1,2-DCA-d4)		116%	116%	119%	119%	116%	118%	118%
Surrogate Recovery (Toluene-d8)		116%	115%	114%	121%	116%	110%	115%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

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Environ Project # 03-11903E
5600 Cottle Road, San Jose, California

TEG Project #60515D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		SG-26-5 @ 5	SG-26-5 @ 15	SG-26-6 @ 5	SG-26-6 @ 15	SG-26-7 @ 5	SG-26-7 @ 15	SG-26-8 @ 5
SAMPLE DEPTH (feet):		4.0	12.0	5.0	13.0	5.0	11.0	5.0
PURGE VOLUME:		1	1	1	1	1	1	1
COLLECTION DATE:		5/15/06	5/15/06	5/15/06	5/15/06	5/15/06	5/15/06	5/16/06
COLLECTION TIME:		15:00	15:55	16:08	16:35	16:55	17:20	08:46
DILUTION FACTOR (VOCs):	RL	1	1	1	1	1	1	1
Dichlorodifluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.080	1.9	1.2	3.4	5.9	0.29	5.1	5.0
1,1,2-Trichloro-trifluoroethane	0.080	0.24	0.22	0.17	0.22	nd	0.24	0.29
Methylene Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.080	0.26	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.080	0.19	nd	nd	nd	nd	nd	0.14
cis-1,2-Dichloroethene	0.080	0.25	nd	nd	nd	nd	nd	0.087
Chloroform	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.080	0.28	0.46	2.7	2.7	0.21	2.8	2.0
Carbon Tetrachloride	0.080	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Benzene	0.080	nd	nd	0.084	nd	nd	nd	nd
Trichloroethene	0.080	13	16	13	20	3.2	24	21
Toluene	0.080	0.28	0.40	0.36	0.30	0.30	0.41	0.14
1,1,2-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.080	nd	0.095	nd	0.082	nd	0.10	nd
1,1,1,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.080	0.21	0.39	0.30	0.31	0.27	0.40	0.12
o-Xylene	0.080	nd	0.12	0.090	0.10	0.081	0.12	nd
1,1,2,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
TPH (gas range)	5.0	23	31	26	36	10	42	37
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		111%	107%	110%	111%	110%	107%	111%
Surrogate Recovery (1,2-DCA-d4)		115%	113%	114%	114%	112%	110%	109%
Surrogate Recovery (Toluene-d8)		114%	112%	114%	112%	111%	111%	101%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

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Environ Project # 03-11903E
5600 Cottle Road, San Jose, California

TEG Project #60515D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		SG-26-8 @ 15	SG-DD-01 @ 5	SG-DD-01 @ 5	SG-DD-01 @ 5	SG-DD-01 @ 10	SG-DD-02 @ 5	SG-DD-02 @ 10
SAMPLE DEPTH (feet):		10.0	5.0	5.0	5.0	10.0	5.0	10.0
PURGE VOLUME:		1	1	3	7	1	1	1
COLLECTION DATE:		5/16/06	5/16/06	5/16/06	5/16/06	5/16/06	5/16/06	5/16/06
COLLECTION TIME:		09:15	09:51	10:11	10:32	11:05	11:20	11:45
DILUTION FACTOR (VOCs):		1	1	1	1	1	1	1
	RL							
Dichlorodifluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.080	1.6	nd	nd	nd	nd	3.9	3.9
1,1,2-Trichloro-trifluoroethane	0.080	nd	0.29	0.30	0.29	0.28	3.8	3.6
Methylene Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.080	nd	nd	nd	nd	nd	0.43	0.65
cis-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	0.094
Chloroform	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.080	0.74	0.48	0.49	0.48	0.34	6.6	5.8
Carbon Tetrachloride	0.080	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Benzene	0.080	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	0.080	11	0.69	0.22	0.21	0.59	3.9	4.3
Toluene	0.080	0.35	0.32	0.17	0.22	0.28	0.37	0.40
1,1,2-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.080	nd	0.77	0.69	0.76	0.64	0.30	0.32
Ethylbenzene	0.080	nd	nd	nd	nd	nd	0.086	0.089
1,1,1,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.080	0.22	0.28	0.15	0.20	0.24	0.34	0.33
o-Xylene	0.080	nd	0.087	nd	nd	nd	0.099	0.10
1,1,2,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
TPH (gas range)	5.0	22	13	11	14	13	15	40
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		107%	109%	108%	107%	109%	111%	110%
Surrogate Recovery (1,2-DCA-d4)		109%	110%	110%	112%	113%	108%	106%
Surrogate Recovery (Toluene-d8)		113%	111%	113%	111%	112%	113%	113%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
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Environ Project # 03-11903E
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TEG Project #60515D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		SG-DD-02 @10 dup	SG-DD-03 @ 5	SG-DD-03 @ 10	SG-DD-04 @ 5	SG-DD-04 @ 10	SG-DD-05 @ 5	SG-DD-05 @ 10
SAMPLE DEPTH (feet):		10.0	5.0	10.0	5.0	10.0	5.0	10.0
PURGE VOLUME:		1	1	1	1	1	1	1
COLLECTION DATE:		5/16/06	5/16/06	5/16/06	5/16/06	5/16/06	5/16/06	5/16/06
COLLECTION TIME:		12:25	12:05	12:50	14:25	15:10	15:30	15:55
DILUTION FACTOR (VOCs):		1	1	1	1	1	1	1
	RL							
Dichlorodifluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.080	3.9	3.9	4.7	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.080	3.8	3.6	4.3	nd	nd	0.13	0.21
Methylene Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.080	0.66	0.61	1.2	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.080	0.096	nd	0.19	nd	nd	nd	nd
Chloroform	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.080	5.7	5.1	5.5	nd	nd	nd	nd
Carbon Tetrachloride	0.080	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Benzene	0.080	nd	nd	nd	0.11	nd	nd	nd
Trichloroethene	0.080	4.1	1.6	2.0	nd	nd	nd	nd
Toluene	0.080	0.36	0.40	0.37	0.50	0.40	0.36	0.34
1,1,2-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.080	0.32	0.34	0.43	nd	nd	nd	nd
Ethylbenzene	0.080	0.080	0.10	0.098	0.12	0.097	0.089	0.081
1,1,1,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.080	0.33	0.39	0.39	0.47	0.39	0.35	0.35
o-Xylene	0.080	0.10	0.12	0.12	0.17	0.13	0.11	0.11
1,1,2,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
TPH (gas range)	5.0	43	12	120	7.7	6.1	6.9	6.2
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		95%	107%	109%	108%	104%	108%	107%
Surrogate Recovery (1,2-DCA-d4)		93%	106%	107%	112%	103%	113%	109%
Surrogate Recovery (Toluene-d8)		97%	113%	110%	119%	108%	113%	113%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

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Analyses performed by: Mr. John Henkelman

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Environ Project # 03-11903E
5600 Cottle Road, San Jose, California

TEG Project #60515D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		SG-DD-06 @ 5	SG-DD-07 @ 5	SG-DD-08 @ 5	SG-DD-09 @ 5	SG-DD-09 @ 5 dup	SG-DD-10 @ 5	SG-DD-11 @ 5
SAMPLE DEPTH (feet):		5.0	5.0	5.0	5.0	5.0	5.0	5.0
PURGE VOLUME:		1	1	1	1	1	1	1
COLLECTION DATE:		5/17/06	5/17/06	5/17/06	5/17/06	5/17/06	5/17/06	5/17/06
COLLECTION TIME:		10:25	09:40	10:05	10:50	11:35	11:10	12:40
DILUTION FACTOR (VOCs):		1	1	1	1	1	1	1
	RL							
Dichlorodifluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	0.080	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
Chloroform	0.080	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	0.080	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Benzene	0.080	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
Toluene	0.080	0.20	0.27	0.16	0.24	0.27	0.37	0.42
1,1,2-Trichloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.080	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.080	nd	nd	nd	nd	0.081	0.10	0.12
1,1,1,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.080	0.20	0.24	0.17	0.22	0.32	0.43	0.46
o-Xylene	0.080	nd	nd	nd	nd	0.11	0.14	0.15
1,1,2,2-Tetrachloroethane	0.080	nd	nd	nd	nd	nd	nd	nd
TPH (gas range)	5.0	36	9.0	44	5.9	7.0	7.0	7.0
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		102%	108%	108%	104%	101%	101%	95%
Surrogate Recovery (1,2-DCA-d4)		108%	114%	112%	112%	109%	110%	101%
Surrogate Recovery (Toluene-d8)		112%	112%	108%	115%	112%	114%	117%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. John Henkelman

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

Environ Project # 03-11903E
5600 Cottle Road, San Jose, California

TEG Project #60515D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		SG-DD-12 @ 5
SAMPLE DEPTH (feet):		5.0
PURGE VOLUME:		1
COLLECTION DATE:		5/17/06
COLLECTION TIME:		12:55
DILUTION FACTOR (VOCs):		1
	RL	
Dichlorodifluoromethane	0.080	nd
Vinyl Chloride	0.080	nd
Chloroethane	0.080	nd
Trichlorofluoromethane	0.080	nd
1,1-Dichloroethene	0.080	nd
1,1,2-Trichloro-trifluoroethane	0.080	nd
Methylene Chloride	0.080	nd
trans-1,2-Dichloroethene	0.080	nd
1,1-Dichloroethane	0.080	nd
cis-1,2-Dichloroethene	0.080	nd
Chloroform	0.080	nd
1,1,1-Trichloroethane	0.080	nd
Carbon Tetrachloride	0.080	nd
1,2-Dichloroethane	0.080	nd
Benzene	0.080	nd
Trichloroethene	0.080	nd
Toluene	0.080	0.18
1,1,2-Trichloroethane	0.080	nd
Tetrachloroethene	0.080	nd
Ethylbenzene	0.080	nd
1,1,1,2-Tetrachloroethane	0.080	nd
m,p-Xylene	0.080	0.21
o-Xylene	0.080	nd
1,1,2,2-Tetrachloroethane	0.080	nd
TPH (gas range)	5.0	5.5
1,1 Diflouroethane (leak check)	10	nd
Surrogate Recovery (DBFM)		102%
Surrogate Recovery (1,2-DCA-d4)		110%
Surrogate Recovery (Toluene-d8)		110%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. John Henkelman

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

teg

Environ Project # 03-11903E
5600 Cottle Road, San Jose, California

TEG Project #60515D

CALIBRATION STANDARDS - Initial Calibration / LCS

Instrument: Agilent 5973N MSD

COMPOUND	INITIAL CALIBRATION RF	INITIAL CALIBRATION %RSD	LCS RF	LCS %DIFF
Dichlorodifluoromethane*	0.307	19.2%	0.252	17.9%
Vinyl Chloride*	0.260	11.1%	0.280	7.7%
Chloroethane*	0.104	24.8%	0.119	14.4%
Trichlorofluoromethane*	0.436	12.8%	0.465	6.7%
1,1-Dichloroethene	0.213	13.3%	0.236	10.8%
1,1,2-Trichloro-trifluoroethane*	0.236	13.9%	0.191	19.1%
Methylene Chloride	0.184	13.6%	0.209	13.6%
trans-1,2-Dichloroethene	0.225	12.7%	0.255	13.3%
1,1-Dichloroethane	0.388	14.1%	0.433	11.6%
cis-1,2-Dichloroethene	0.279	14.0%	0.266	4.7%
Chloroform	0.429	12.5%	0.442	3.0%
1,1,1-Trichloroethane	0.429	12.0%	0.423	1.4%
Carbon Tetrachloride	0.344	18.6%	0.382	11.0%
1,2-Dichloroethane	0.313	15.2%	0.305	2.6%
Benzene	1.201	19.3%	1.092	9.1%
Trichloroethene	0.307	12.8%	0.302	1.6%
Toluene	0.702	12.5%	0.601	14.4%
1,1,2-Trichloroethane	0.135	16.3%	0.137	1.5%
Tetrachloroethene	0.380	13.2%	0.430	13.2%
Ethylbenzene	0.584	11.6%	0.602	3.1%
1,1,1,2-Tetrachloroethane	0.340	17.5%	0.390	14.7%
m,p-Xylene	0.708	18.3%	0.666	5.9%
o-Xylene	0.716	16.0%	0.738	3.1%
1,1,2,2-Tetrachloroethane	0.448	19.3%	0.503	12.3%
ACCEPTABLE LIMITS:		20.0%		15.0%

'*' INDICATES RSD NOT TO EXCEED 30% & LCS NOT TO EXCEED 25%

APPENDIX A.2

Fixed-base Laboratory Report (CEL)

Calscience Environmental Laboratories, Inc.

May 25, 2006

Wendy Devaney
ENVIRON
6001 Shellmound Street, Ste 700
Emeryville, CA 94608-1958

Subject: **Calscience Work Order No.: 06-05-1192**
Client Reference: Hitachi - GST / 03-11903E

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/18/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON		Date Received:	05/18/06
6001 Shellmound Street, Ste 700		Work Order No:	06-05-1192
Emeryville, CA 94608-1958		Preparation:	N/A
		Method:	EPA TO-14A
		Units:	ppb (v/v)
Project: Hitachi - GST / 03-11903E			Page 1 of 8

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
BLANK	**06-05-1192-1**	**05/15/06**	**Air**	**N/A**	**05/22/06**	**060522L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromomethane	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	2.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.0	1	
Chloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON		Date Received:	05/18/06
6001 Shellmound Street, Ste 700		Work Order No:	06-05-1192
Emeryville, CA 94608-1958		Preparation:	N/A
		Method:	EPA TO-14A
		Units:	ppb (v/v)

Project: Hitachi - GST / 03-11903E

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SG-26-03-5.0	**06-05-1192-2**	**05/15/06**	**Air**	**N/A**	**05/22/06**	**060522L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	19	9	17.5		t-1,3-Dichloropropene	ND	18	17.5	
Benzyl Chloride	ND	18	17.5		Ethylbenzene	27	9	17.5	
Bromomethane	ND	8.8	17.5		Hexachloro-1,3-Butadiene	ND	18	17.5	
Carbon Tetrachloride	ND	8.8	17.5		Methylene Chloride	ND	35	17.5	
Chlorobenzene	ND	8.8	17.5		o-Xylene	44	9	17.5	
Chloroethane	ND	8.8	17.5		p/m-Xylene	130	18	17.5	
Chloroform	ND	8.8	17.5		Styrene	ND	18	17.5	
Chloromethane	ND	8.8	17.5		Tetrachloroethene	ND	8.8	17.5	
Dichlorodifluoromethane	ND	8.8	17.5		Toluene	98	9	17.5	
1,1-Dichloroethane	13	9	17.5		Trichloroethene	2200	88	175	
1,1-Dichloroethene	150	9	17.5		Trichlorofluoromethane	ND	18	17.5	
1,2-Dibromoethane	ND	8.8	17.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	46	18	17.5	
Dichlorotetrafluoroethane	ND	35	17.5		1,1,1-Trichloroethane	ND	8.8	17.5	
1,2-Dichlorobenzene	ND	8.8	17.5		1,1,2-Trichloroethane	ND	8.8	17.5	
1,2-Dichloroethane	ND	8.8	17.5		1,3,5-Trimethylbenzene	9.0	8.8	17.5	
1,2-Dichloropropane	ND	8.8	17.5		1,1,2,2-Tetrachloroethane	ND	18	17.5	
1,3-Dichlorobenzene	ND	8.8	17.5		1,2,4-Trimethylbenzene	41	18	17.5	
1,4-Dichlorobenzene	ND	8.8	17.5		1,2,4-Trichlorobenzene	ND	18	17.5	
c-1,3-Dichloropropene	ND	8.8	17.5		Vinyl Chloride	ND	8.8	17.5	
c-1,2-Dichloroethene	76	9	17.5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	106	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON		Date Received:	05/18/06
6001 Shellmound Street, Ste 700		Work Order No:	06-05-1192
Emeryville, CA 94608-1958		Preparation:	N/A
		Method:	EPA TO-14A
		Units:	ppb (v/v)

Project: Hitachi - GST / 03-11903E

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SG-26-05-4.0	**06-05-1192-3**	**05/15/06**	**Air**	**N/A**	**05/22/06**	**060522L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	16	8	14.9		t-1,3-Dichloropropene	ND	15	14.9	
Benzyl Chloride	ND	15	14.9		Ethylbenzene	18	8	14.9	
Bromomethane	ND	7.5	14.9		Hexachloro-1,3-Butadiene	ND	15	14.9	
Carbon Tetrachloride	ND	7.5	14.9		Methylene Chloride	ND	30	14.9	
Chlorobenzene	ND	7.5	14.9		o-Xylene	32	8	14.9	
Chloroethane	ND	7.5	14.9		p/m-Xylene	91	15	14.9	
Chloroform	ND	7.5	14.9		Styrene	ND	15	14.9	
Chloromethane	ND	7.5	14.9		Tetrachloroethene	ND	7.5	14.9	
Dichlorodifluoromethane	ND	7.5	14.9		Toluene	67	8	14.9	
1,1-Dichloroethane	66	8	14.9		Trichloroethene	5000	150	298	
1,1-Dichloroethene	580	8	14.9		Trichlorofluoromethane	ND	15	14.9	
1,2-Dibromoethane	ND	7.5	14.9		1,1,2-Trichloro-1,2,2-Trifluoroethane	39	15	14.9	
Dichlorotetrafluoroethane	ND	30	14.9		1,1,1-Trichloroethane	74	8	14.9	
1,2-Dichlorobenzene	ND	7.5	14.9		1,1,2-Trichloroethane	ND	7.5	14.9	
1,2-Dichloroethane	ND	7.5	14.9		1,3,5-Trimethylbenzene	ND	7.5	14.9	
1,2-Dichloropropane	ND	7.5	14.9		1,1,2,2-Tetrachloroethane	ND	15	14.9	
1,3-Dichlorobenzene	ND	7.5	14.9		1,2,4-Trimethylbenzene	29	15	14.9	
1,4-Dichlorobenzene	ND	7.5	14.9		1,2,4-Trichlorobenzene	ND	15	14.9	
c-1,3-Dichloropropene	ND	7.5	14.9		Vinyl Chloride	ND	7.5	14.9	
c-1,2-Dichloroethene	110	8	14.9						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON		Date Received:	05/18/06
6001 Shellmound Street, Ste 700		Work Order No:	06-05-1192
Emeryville, CA 94608-1958		Preparation:	N/A
		Method:	EPA TO-14A
		Units:	ppb (v/v)

Project: Hitachi - GST / 03-11903E

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SG-DD-01-10.0	**06-05-1192-4**	**05/16/06**	**Air**	**N/A**	**05/22/06**	**060522L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	3.4	6.85		t-1,3-Dichloropropene	ND	6.9	6.85	
Benzyl Chloride	ND	6.9	6.85		Ethylbenzene	13	3	6.85	
Bromomethane	ND	3.4	6.85		Hexachloro-1,3-Butadiene	ND	6.9	6.85	
Carbon Tetrachloride	ND	3.4	6.85		Methylene Chloride	ND	14	6.85	
Chlorobenzene	ND	3.4	6.85		o-Xylene	21	3	6.85	
Chloroethane	ND	3.4	6.85		p/m-Xylene	59	7	6.85	
Chloroform	ND	3.4	6.85		Styrene	ND	6.9	6.85	
Chloromethane	ND	3.4	6.85		Tetrachloroethene	220	3	6.85	
Dichlorodifluoromethane	ND	3.4	6.85		Toluene	46	3	6.85	
1,1-Dichloroethane	ND	3.4	6.85		Trichloroethene	160	3	6.85	
1,1-Dichloroethene	ND	3.4	6.85		Trichlorofluoromethane	ND	6.9	6.85	
1,2-Dibromoethane	ND	3.4	6.85		1,1,2-Trichloro-1,2,2-Trifluoroethane	40	7	6.85	
Dichlorotetrafluoroethane	ND	14	6.85		1,1,1-Trichloroethane	90	3	6.85	
1,2-Dichlorobenzene	ND	3.4	6.85		1,1,2-Trichloroethane	ND	3.4	6.85	
1,2-Dichloroethane	ND	3.4	6.85		1,3,5-Trimethylbenzene	4.4	3.4	6.85	
1,2-Dichloropropane	ND	3.4	6.85		1,1,2,2-Tetrachloroethane	ND	6.9	6.85	
1,3-Dichlorobenzene	ND	3.4	6.85		1,2,4-Trimethylbenzene	20	7	6.85	
1,4-Dichlorobenzene	ND	3.4	6.85		1,2,4-Trichlorobenzene	ND	6.9	6.85	
c-1,3-Dichloropropene	ND	3.4	6.85		Vinyl Chloride	ND	3.4	6.85	
c-1,2-Dichloroethene	ND	3.4	6.85						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	104	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON		Date Received:	05/18/06
6001 Shellmound Street, Ste 700		Work Order No:	06-05-1192
Emeryville, CA 94608-1958		Preparation:	N/A
		Method:	EPA TO-14A
		Units:	ppb (v/v)
Project: Hitachi - GST / 03-11903E			Page 5 of 8

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SG-DD-06-5.0	**06-05-1192-5**	**05/17/06**	**Air**	**N/A**	**05/23/06**	**060523L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.9	1.4	2.82		t-1,3-Dichloropropene	ND	2.8	2.82	
Benzyl Chloride	ND	2.8	2.82		Ethylbenzene	19	1	2.82	
Bromomethane	ND	1.4	2.82		Hexachloro-1,3-Butadiene	ND	2.8	2.82	
Carbon Tetrachloride	ND	1.4	2.82		Methylene Chloride	ND	5.6	2.82	
Chlorobenzene	ND	1.4	2.82		o-Xylene	33	1	2.82	
Chloroethane	ND	1.4	2.82		p/m-Xylene	84	3	2.82	
Chloroform	ND	1.4	2.82		Styrene	ND	2.8	2.82	
Chloromethane	ND	1.4	2.82		Tetrachloroethene	ND	1.4	2.82	
Dichlorodifluoromethane	ND	1.4	2.82		Toluene	49	1	2.82	
1,1-Dichloroethane	ND	1.4	2.82		Trichloroethene	ND	1.4	2.82	
1,1-Dichloroethene	ND	1.4	2.82		Trichlorofluoromethane	ND	2.8	2.82	
1,2-Dibromoethane	ND	1.4	2.82		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.8	2.82	
Dichlorotetrafluoroethane	ND	5.6	2.82		1,1,1-Trichloroethane	ND	1.4	2.82	
1,2-Dichlorobenzene	ND	1.4	2.82		1,1,2-Trichloroethane	ND	1.4	2.82	
1,2-Dichloroethane	ND	1.4	2.82		1,3,5-Trimethylbenzene	8.5	1.4	2.82	
1,2-Dichloropropane	ND	1.4	2.82		1,1,2,2-Tetrachloroethane	ND	2.8	2.82	
1,3-Dichlorobenzene	ND	1.4	2.82		1,2,4-Trimethylbenzene	37	3	2.82	
1,4-Dichlorobenzene	ND	1.4	2.82		1,2,4-Trichlorobenzene	ND	2.8	2.82	
c-1,3-Dichloropropene	ND	1.4	2.82		Vinyl Chloride	ND	1.4	2.82	
c-1,2-Dichloroethene	ND	1.4	2.82						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	107	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON		Date Received:	05/18/06
6001 Shellmound Street, Ste 700		Work Order No:	06-05-1192
Emeryville, CA 94608-1958		Preparation:	N/A
		Method:	EPA TO-14A
		Units:	ppb (v/v)

Project: Hitachi - GST / 03-11903E

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SG-DD-10-5.0	**06-05-1192-6**	**05/17/06**	**Air**	**N/A**	**05/23/06**	**060523L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	7.6	7.5	14.9		t-1,3-Dichloropropene	ND	15	14.9	
Benzyl Chloride	ND	15	14.9		Ethylbenzene	22	8	14.9	
Bromomethane	ND	7.5	14.9		Hexachloro-1,3-Butadiene	ND	15	14.9	
Carbon Tetrachloride	ND	7.5	14.9		Methylene Chloride	ND	30	14.9	
Chlorobenzene	ND	7.5	14.9		o-Xylene	36	8	14.9	
Chloroethane	ND	7.5	14.9		p/m-Xylene	100	15	14.9	
Chloroform	ND	7.5	14.9		Styrene	ND	15	14.9	
Chloromethane	ND	7.5	14.9		Tetrachloroethene	ND	7.5	14.9	
Dichlorodifluoromethane	ND	7.5	14.9		Toluene	63	8	14.9	
1,1-Dichloroethane	ND	7.5	14.9		Trichloroethene	ND	7.5	14.9	
1,1-Dichloroethene	ND	7.5	14.9		Trichlorofluoromethane	ND	15	14.9	
1,2-Dibromoethane	ND	7.5	14.9		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	15	14.9	
Dichlorotetrafluoroethane	94	30	14.9		1,1,1-Trichloroethane	ND	7.5	14.9	
1,2-Dichlorobenzene	ND	7.5	14.9		1,1,2-Trichloroethane	ND	7.5	14.9	
1,2-Dichloroethane	ND	7.5	14.9		1,3,5-Trimethylbenzene	7.8	7.5	14.9	
1,2-Dichloropropane	ND	7.5	14.9		1,1,2,2-Tetrachloroethane	ND	15	14.9	
1,3-Dichlorobenzene	ND	7.5	14.9		1,2,4-Trimethylbenzene	34	15	14.9	
1,4-Dichlorobenzene	ND	7.5	14.9		1,2,4-Trichlorobenzene	ND	15	14.9	
c-1,3-Dichloropropene	ND	7.5	14.9		Vinyl Chloride	ND	7.5	14.9	
c-1,2-Dichloroethene	ND	7.5	14.9						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	113	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON		Date Received:	05/18/06
6001 Shellmound Street, Ste 700		Work Order No:	06-05-1192
Emeryville, CA 94608-1958		Preparation:	N/A
		Method:	EPA TO-14A
		Units:	ppb (v/v)

Project: Hitachi - GST / 03-11903E

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-021-3,877**	**N/A**	**Air**	**N/A**	**05/22/06**	**060522L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromomethane	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	2.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.0	1	
Chloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ENVIRON
6001 Shellmound Street, Ste 700
Emeryville, CA 94608-1958

Date Received:	05/18/06
Work Order No:	06-05-1192
Preparation:	N/A
Method:	EPA TO-14A
Units:	ppb (v/v)

Project: Hitachi - GST / 03-11903E

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-021-3,879**	**N/A**	**Air**	**N/A**	**05/23/06**	**060523L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromomethane	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	2.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.0	1	
Chloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ENVIRON
6001 Shellmound Street, Ste 700
Emeryville, CA 94608-1958

Date Received: N/A
Work Order No: 06-05-1192
Preparation: N/A
Method: EPA TO-14A

Project: Hitachi - GST / 03-11903E

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-3,877	**Air**	**GC/MS DD**	**N/A**	**05/22/06**	**060522L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	118	117	60-156	1	0-40	
Carbon Tetrachloride	127	128	64-154	1	0-32	
1,2-Dibromoethane	115	114	54-144	0	0-36	
1,2-Dichlorobenzene	155	153	34-160	1	0-47	
1,2-Dichloroethane	109	112	69-153	2	0-30	
1,2-Dichloropropane	119	119	67-157	0	0-35	
1,4-Dichlorobenzene	138	136	36-156	1	0-47	
c-1,3-Dichloropropene	121	122	61-157	1	0-35	
Ethylbenzene	128	127	52-154	1	0-38	
o-Xylene	133	132	52-148	1	0-38	
p/m-Xylene	120	119	42-156	1	0-41	
Tetrachloroethene	133	132	56-152	1	0-40	
Toluene	116	115	56-146	1	0-43	
Trichloroethene	128	129	63-159	0	0-34	
1,1,2-Trichloroethane	137	137	65-149	0	0-37	
Vinyl Chloride	115	118	45-177	2	0-36	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ENVIRON
6001 Shellmound Street, Ste 700
Emeryville, CA 94608-1958

Date Received: N/A
Work Order No: 06-05-1192
Preparation: N/A
Method: EPA TO-14A

Project: Hitachi - GST / 03-11903E

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-3,879	**Air**	**GC/MS DD**	**N/A**	**05/23/06**	**060523L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	112	115	60-156	3	0-40	
Carbon Tetrachloride	125	127	64-154	1	0-32	
1,2-Dibromoethane	114	116	54-144	2	0-36	
1,2-Dichlorobenzene	153	155	34-160	1	0-47	
1,2-Dichloroethane	105	110	69-153	5	0-30	
1,2-Dichloropropane	114	116	67-157	2	0-35	
1,4-Dichlorobenzene	136	139	36-156	3	0-47	
c-1,3-Dichloropropene	118	119	61-157	1	0-35	
Ethylbenzene	126	129	52-154	2	0-38	
o-Xylene	133	135	52-148	2	0-38	
p/m-Xylene	119	121	42-156	2	0-41	
Tetrachloroethene	130	134	56-152	3	0-40	
Toluene	113	117	56-146	3	0-43	
Trichloroethene	126	127	63-159	1	0-34	
1,1,2-Trichloroethane	133	135	65-149	2	0-37	
Vinyl Chloride	113	118	45-177	4	0-36	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-05-1192

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

ENVIRON

Counsel in Health and Environmental Science

CHAIN-of-CUSTODY FORM

(1192)

Sheet 1 Of 1
5820 Shellmound St., Suite 700
Emeryville, California 94608
(510) 655-7400

PROJECT NAME: Hitachi GST

CASE NO.: 0311903E

	ENVIRON SAMPLE ID.	COLLECTION DATE 2006	COLLECTED BY (initials)	MATRIX	TOTAL NO. OF CONTAINERS	ANALYSES: US EPA Method TO-14	Sample time											COMMENTS
1	BLANK		AM	SV	1	X												SCID: LC103 Start Vac +5" Hg FCID: NA End Vac NA
2	SG-26-03-5.0	5/15	AM	SV	1	X	1140											SCID: LC026 Start Vac -30" Hg FCID: A228 End Vac: -6" Hg
3	SG-26-05-4.0	5/15	AM	SV	1	X	1520											SCID: LC200 Start Vac -34" Hg FCID: A221 End Vac -5" Hg
4	SG-DD-01-10.0	5/16	AM	SV	1	X	1120											SCID: LC218 Start Vac -30" Hg FCID: A148 End Vac -5" Hg
5	SG-DD-06-5.0	5/17	AM	SV	1	X	0950											SCID: ~~LA103~~ LC166 Start Vac ~~-5" Hg~~ -30" Hg FCID: ~~NA~~ A203 End Vac ~~-NA~~ -4" Hg
6	SG-DD-10-5.0	5/17	AM	SV	1	X	1200											SCID: LC113 Start Vac: -30" Hg FCID: A140 End Vac: -4" Hg
	TOTAL				6	6												

Fax or email results to Wendy Devaney, wdevaney@environcorp.com

AM

Relinquished by:	Date:	Time:	Received by:	Company:	Date:	Time:
Donald McKinley	5/17/2006	14:00				
Fed Ex	5.18.06	1500	[illegible]	[illegible]	5.18.06	1500

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 0 5 - 1 1 9 2

Cooler 0 of 0

SAMPLE RECEIPT FORM

CLIENT: Environ DATE: 5-18-06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
✓ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC			✓
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS: