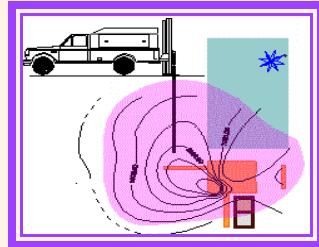


Franklin J. Goldman, CHG
Environmental and Hydrogeological Consulting
PO Box 59, Sonoma, CA 95476
Phone: (707) 235-9979
fjgoldmarchg@yahoo.com



December 19, 2005

Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

RECEIVED

By DEHLOTOXIC at 9:27 am, Jul 05, 2006

Telephone: (510) 567-6765
FAX: (510) 337-9335

Subject: Groundwater Monitoring of Hydrocarbons related to the Former Underground Storage Tanks at the FORMER BILL CHUN SERVICE STATION @ 2301 SANTA CLARA AVENUE, ALAMEDA, CA 94501

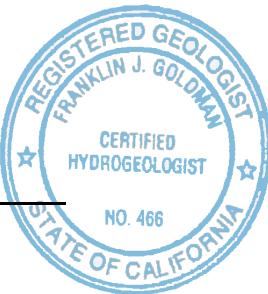
Dear Barney:

This report summarizes the laboratory results of analyses performed for gasoline constituents in groundwater. This groundwater monitoring event represents a compilation of data covering the onsite wells and the down gradient wells installed on the Towata property. The lateral extent of the dissolved gasoline constituent plumes has been defined with the exception of some low levels of oxygenates identified downgradient.

Call me if you have any questions.

Sincerely,

Franklin J. Goldman
Certified Hydrogeologist No. 466



GROUNDWATER FLOW DIRECTION

On November 26, 2005, a Slope Indicator water level meter was used to measure the depth to groundwater in the groundwater monitoring and extraction wells prior to well purging and sampling. The measurements were read to the nearest 100th of an inch from the top of the casing elevation as established by a certified land survey.

Groundwater was encountered at depths ranging from 5.18 feet bgs at the west end of the investigation area to 9.54 feet bgs on site. The predominant groundwater gradient flow direction is to the east at 0.04 feet/foot ([See Figure 1 for Groundwater Gradient Flow and Direction Map](#)) and ([Table 1 for Depth to Water Level Measurements](#)). The groundwater elevation measured in well BH is approximately 2 ½ feet lower than the trends established by the monitoring wells in the immediate vicinity. If the water level identified in well BH is representative of a deeper groundwater zone, it would be indicative of downward vertical hydraulic gradients.

WELL PURGING AND DEVELOPMENT

Depth to groundwater was measured prior to purging to use as a reference elevation. Purging of the wells was performed by the use of 1 3/4 inch diameter steel disposable check valve bailer. Each well was sampled after the well purging process which entailed the removal of approximately three (3) or more well volumes from each well, allowing the water level to recover to at least 80% of the original, static water level. Temperature, electrical conductivity, and pH were monitored so that the three parameters demonstrated an error difference of within 10% from one another, over three consecutive readings ([See Appendix A for Sampling Event Logs](#)). The recorded data was used to verify that a sufficient volume of groundwater had been removed from each well casing so that anomalies caused by remnant well casing storage would not preclude us from obtaining a groundwater sample which would be more representative of the aquifer contaminant distribution as a whole. Wells BM, BH, and BF had an inordinate amount of sands which were removed during the purging process.

GROUNDWATER SAMPLING FROM WELLS

Water samples were collected by lowering a plastic disposable bailer down the center of the well casing. Water samples were contained in 40-milliliter VOA vials through a low flow bottom draining plastic tube inserted into the bottom of the bailer for TPH-g, MTBE, and BTEX analyses. EPA Method 8260b for 5 oxygenates and two lead scavengers was used to confirm the presence of MTBE and other gasoline constituents. The samples were labeled and stored on ice until delivered, under chain-of-custody procedures, to American Analytics, Inc. of Chatsworth, California, a State-certified analytical laboratory.

LABORATORY RESULTS OF HYDROCARBONS IN GROUNDWATER

Although the overall trend in concentrations of gasoline ranged organics (GRO) and benzene identified in groundwater have decreased over time, increases in GRO were identified in EW-13, BF, BK, and BJ and increases in benzene were identified in wells EW-14, BH, BF, BK, and BJ ([See Appendix B for Laboratory Data Sheets](#)) and ([Table 2 for Historical Trends of GRO and Benzene concentrations](#)). The plumes of benzene and GRO in groundwater still appear to be centered in the general vicinity of the former USTs on site ([See Figures 2 and 3 for GRO and benzene concentration](#)

maps). No significant changes in dissolved GRO or benzene concentrations were identified except for those increases identified in well BF.

Some low levels of oxygenates such as MTBE were identified in down gradient wells. A slight increase in TBA and the presence of TAME were identified in well BF. EDC was also identified, for the first time, in wells MW-3, EW-16, BH and BL (See Figure 4 for oxygenates concentration map).

FIELD CLEANUP

Well purge water was placed in properly labeled 55 gallon drums left on-site for transport to a legal point of disposal.

CONCLUSIONS

The lateral extent of the dissolved GRO and benzene plumes has been defined and is centered around the former UST location and the west central portion of the Towata flower shop two-story building structure. Some low levels of oxygenates were identified in down gradient wells and appear to represent the leading edge of the dissolved gasoline plume.

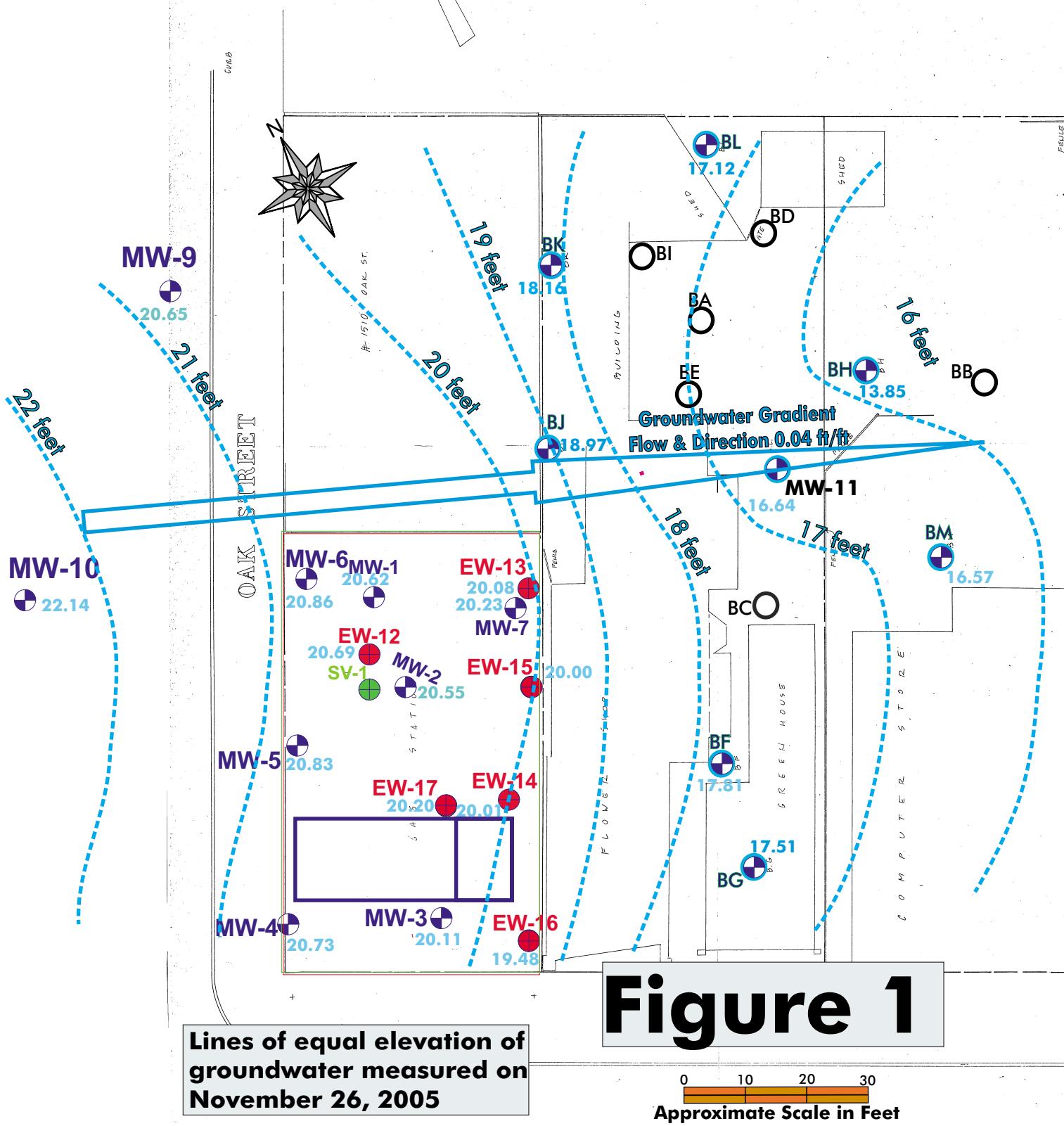
RECOMMENDATIONS

Perform an additional round of groundwater sampling. Conduct soil gas and indoor air sampling and analyses.

LIMITATIONS

This report has been prepared in accordance with generally accepted environmental, geological and engineering practices. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analyses, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of the investigation and they are subject to change.

The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity, and interpretation of available information as described in this report. Franklin J. Goldman, recognizes that the limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs, or requirements of other state agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein, is done so at the sole risk of the said user.



MW-8
20.17

SANTA CLARA AVE

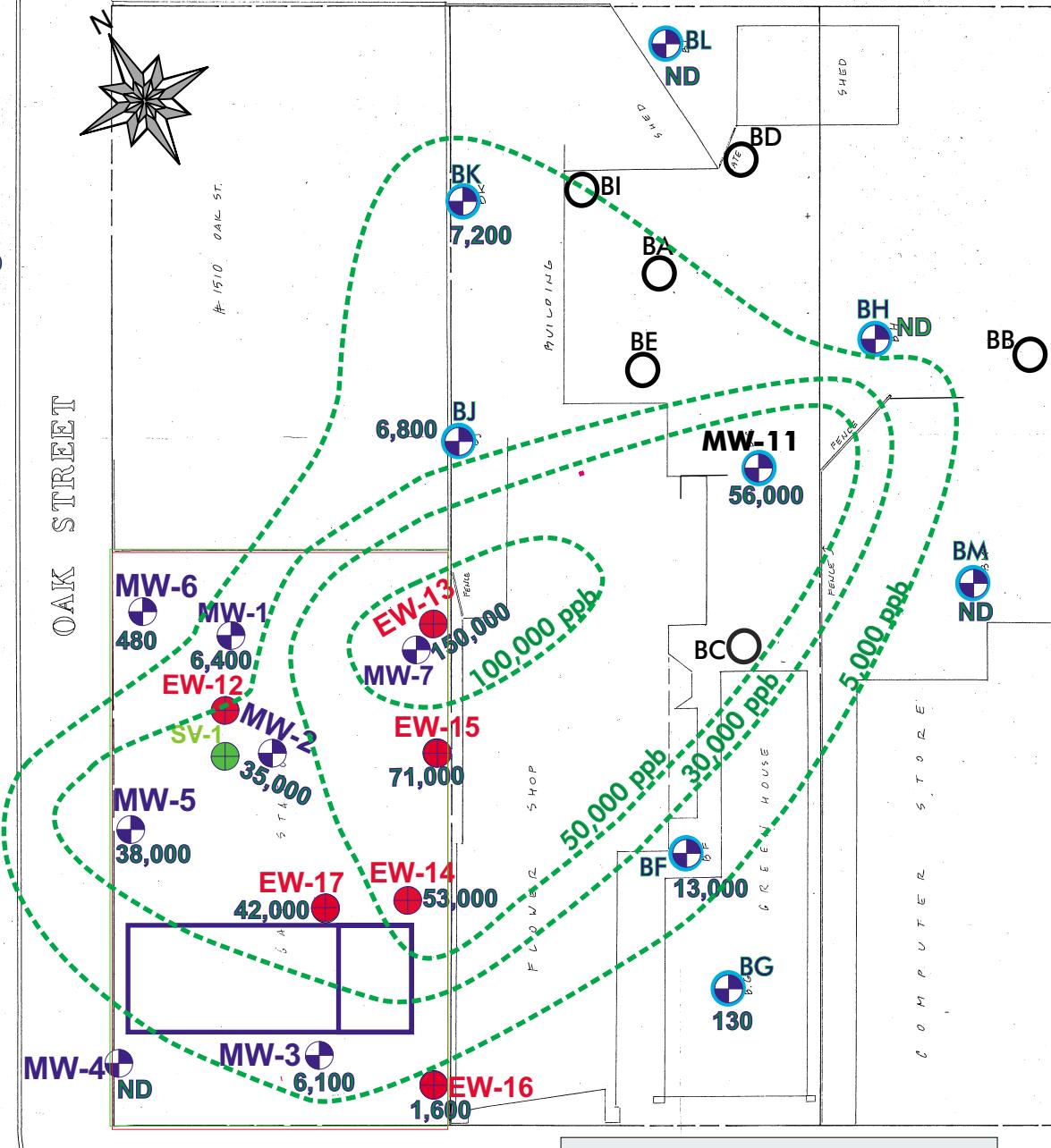
MW-10



MW-9



OAK STREET



**Concentration gradient
contours in ppb of GRO
in groundwater from
November 26 thru 28, 2005**

Figure 2

0 10 20 30
Approximate Scale in Feet

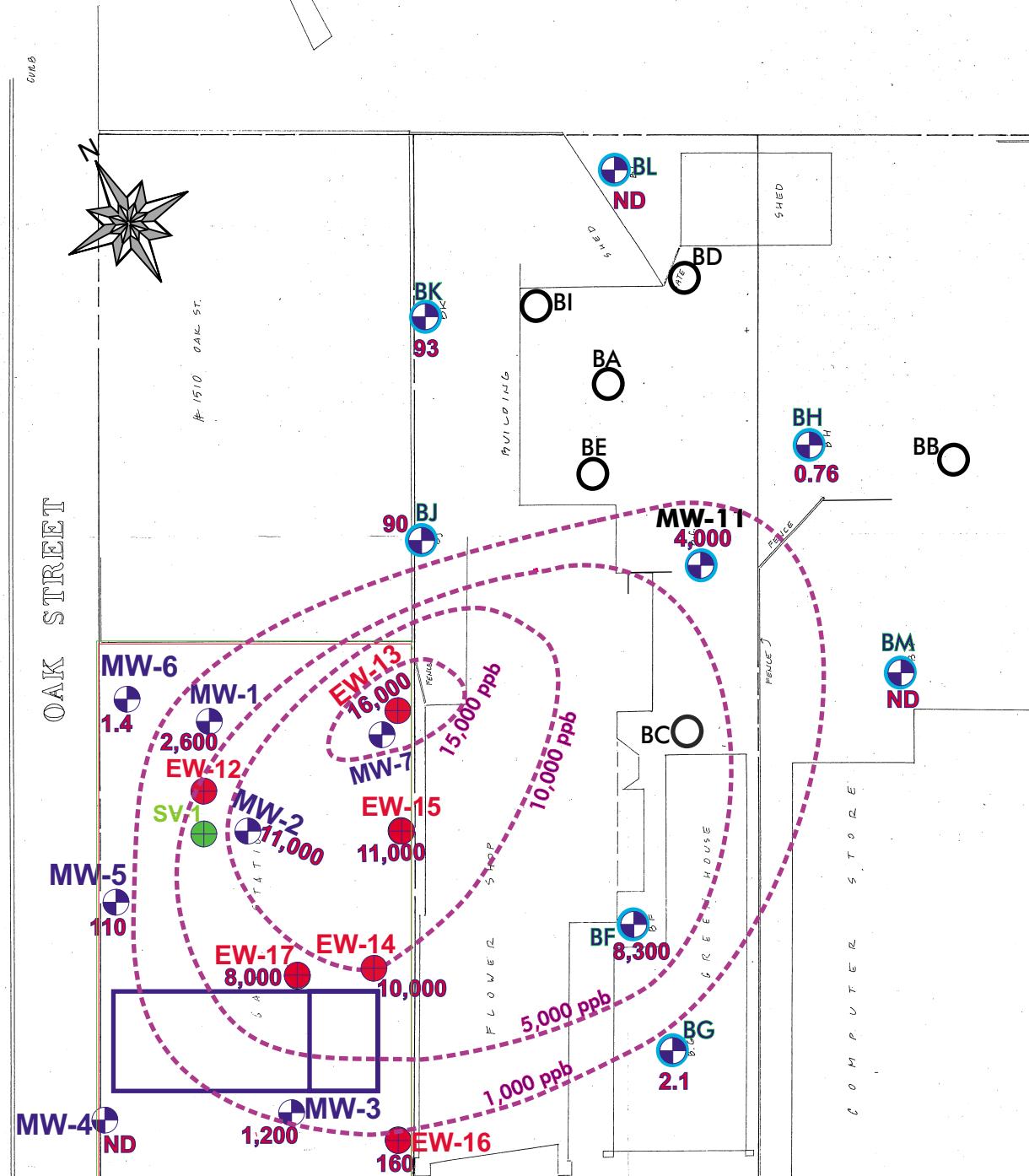
SANTA CLARA AVE

MW-8



MW-9
ND

MW-10
ND



**Concentration gradient
contours in ppb of benzene
in groundwater from
November 26 thru 28, 2005**

Figure 3

0 10 20 30
Approximate Scale in Feet

SANTA CLARA AVE

MW-8

ND

MW-10
ND

MW-9
ND

OAK STREET

MW-5
ND

MW-4
ND

Concentrations of MTBE in ppb in groundwater from November 26 - 28, 2005 EDC, TBA & TAME were also identified

MW-6
ND

MW-1
ND

EW-12
ND

SV-1
ND

MW-2
ND

EW-13
ND

MW-7
ND

EW-15
ND

EW-17
ND

EW-14
ND

MW-3
ND
47 ppb (EDC)
28 ppb (EDC)

EW-16
ND

1510 OAK ST.
ST 4 PEDESTRIAN

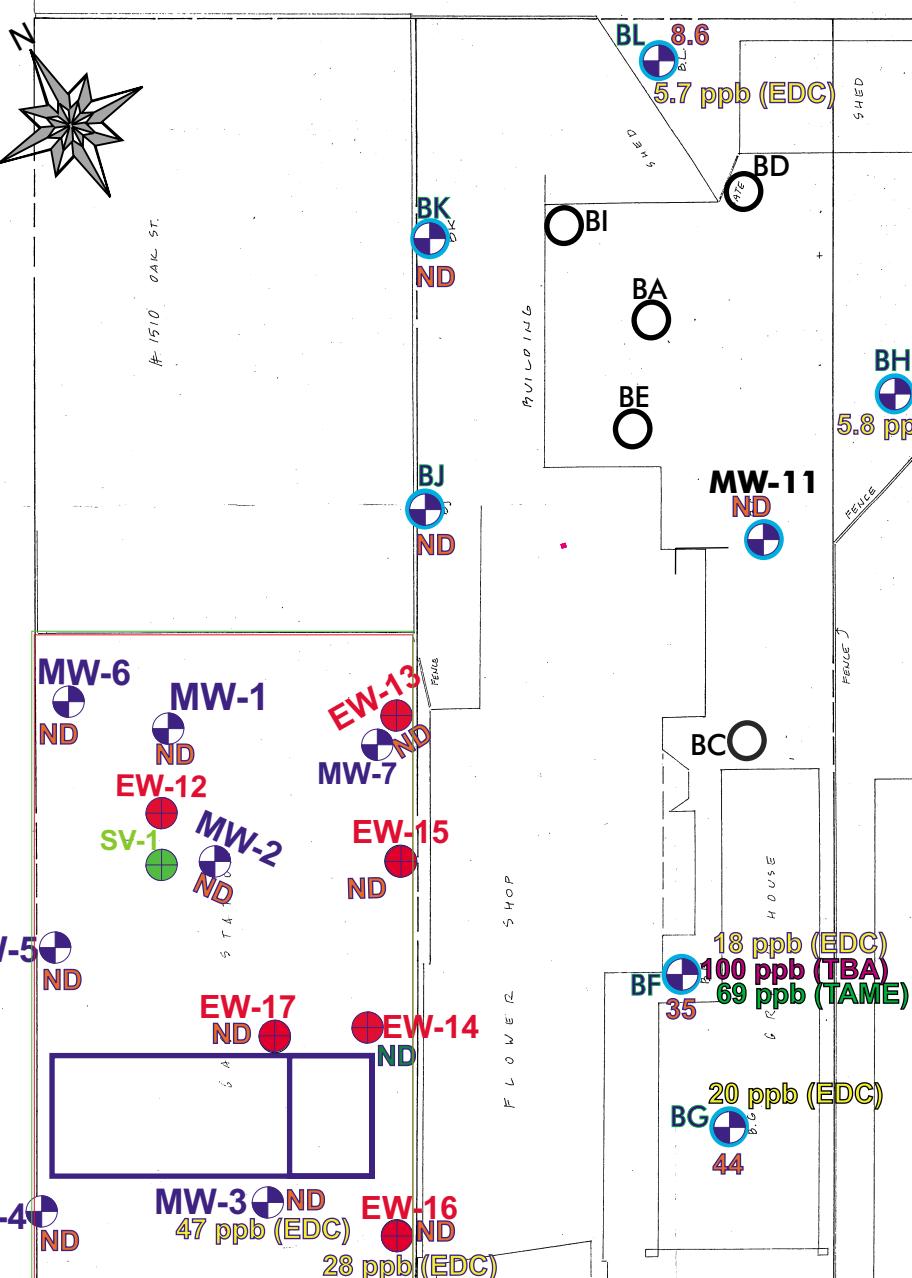


Figure 4

0 10 20 30
Approximate Scale in Feet

SANTA CLARA AVE

MW-8

ND

TABLE 1
Depth to Groundwater Measurements
November 26, 2005
Chun/Towata Properties - 2301 Santa Clara Avenue, Alameda

Well No	Depth to Groundwater from TOC (feet bgs)	TOC Elevation (feet) MSN	Water Table Elevation (feet)
MW-1	7.87	28.49	20.62
MW-2	7.92	28.47	20.55
MW-3	8.67	28.78	20.11
MW-4	7.80	28.53	20.73
MW-5	7.50	28.33	20.83
MW-6	7.50	28.36	20.86
MW-7	8.21	28.44	20.23
MW-8	8.00	28.17	20.17
MW-9	6.80	27.45	20.65
MW-10	5.18	27.32	22.14
MW-11	8.53	25.17	16.64
EW-12	7.56	28.25	20.69
EW-13	8.56	28.64	20.08
EW-14	9.20	29.21	20.01
EW-15	8.71	28.71	20.00
EW-16	9.54	29.02	19.48
EW-17	8.75	28.95	20.20
BL	8.25	25.37	17.12
BK	6.86	25.02	18.16

BJ	6.06	25.03	18.97
BH	11.33	25.18	13.85
BM	8.60	25.17	16.57
BF	7.85	25.66	17.81
BG	8.34	25.85	17.51

TABLE 2 - Chun
Representative Analytical for Gasoline in Groundwater Trends (ppb)

Well Identification	GRO	Benzene
MW-1 (11-26-05)	6,400	2,600
(08-20-05)	35,000	14,000
(08-08-04)	29,000	9,700
(04-24-04)	33,000	8,000
(12-25-03)	12,000	3,400
(09-20-03)	19,000	4,900
(07-04-02)	43,000	7,200
(09-17-00)	65,000	15,000
MW-2 (11-26-05)	38,000	11,000
(08-20-05)	31,000	10,000
(08-08-04)	21,000	6,800
(04-24-04)	44,000	8,400
(12-25-03)	46,000	6,100
(09-21-03)	27,000	2,400
(07-04-02)	41,000	5,600
(09-17-00)	140,000	21,000
MW-3 (11-26-05)	6,100	1,200
(08-20-05)	5,500	3,000
(08-08-04)	2,500	400
(04-24-04)	3,100	1,000
(12-25-03)	3,300	290
(09-21-03)	2,700	320
(07-04-02)	10,000	2,300
(09-17-00)	9,300	3,000
MW-4 (11-26-05)	<100	<0.50

	(08-20-05)	1,100	1.5
	(08-08-04)	ND	ND
	(04-24-04)	3,000	0.97
	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-04-02)	ND	ND
	(09-17-00)	ND	ND
MW-5	(11-26-05)	38,000	110
	(08-20-05)	19,000	130
	(08-08-04)	13,000	82
	(04-24-04)	13,000	97
	(12-25-03)	2,300	140
	(09-21-03)	8,700	ND
	(07-04-02)	16,000	89
	(09-17-00)	44,000	490
MW-6	(11-26-05)	480	1.4
	(08-20-05)	810	<0.5
	(08-08-04)	320	2.7
	(04-24-04)	110	3.6
	(12-25-03)	1,200	18
	(09-20-03)	500	15
	(07-04-02)	3,900	29
	(09-17-00)	10,000	110
MW-7	(08-20-05)	NA	NA
	(08-08-04)	92,000	9,300
	(04-24-04)	100,000	10,000
	(12-25-03)	110,000	12,000
	(09-21-03)	110,000	4,200
	(07-04-02)	140,000	15,000
	(09-17-00)	220,000	32,000
MW-8	(11-27-05)	<100	<0.5
	(08-22-05)	<100	<0.5

	(08-08-04)	NA	NA
	(04-24-04)	ND	ND
	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-03-02)	ND	1.1
	(09-17-00)	ND	1.4
MW-9	(11-27-05)	<100	<0.5
	(08-22-05)	<100	<0.5
	(04-24-04)	ND	ND
	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-03-02)	ND	ND
	(09-17-00)	ND	ND
MW-10	(11-27-05)	<100	<0.5
	(08-22-04)	<100	<0.5
	(04-24-04)	ND	ND
	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-03-02)	ND	ND
	(09-17-00)	ND	ND
MW-11	(11-26-05)	56,000	4,000
	(08-20-05)	31,000	5,100
	(08-08-04)	29,000	3,100
	(04-24-04)	38,000	5,000
	(12-25-03)	14,000	1,400
	(09-22-03)	46,000	1,700
	(10-24-02)	59,000	5,100
SV-1	(11-26-05)	NA	NA
	(08-08-04)	NA	NA
	(04-24-04)	9,600	740
	(12-25-03)	83,000	2,200
	(09-21-03)	89,000	2,300

	(07-04-02)	210,000	7,900
	(09-17-00)	560,000	10,000
EW-12	(11-27-05)	NA	NA
	(08-08-04)	NA	NA
	(04-24-04)	12,000	920
	(12-25-03)	9,900	790
	(09-21-03)	19,000	590
	(10-31-02)	5,840	75.7
EW-13	(11-27-05)	150,000	16,000
	(08-20-05)	130,000	27,000
	(08-08-04)	NA	NA
	(04-24-04)	100,000	19,000
	(12-25-03)	110,000	17,000
	(09-21-03)	71,000	10,000
	(10-31-02)	109,200	9,120
EW-14	(11-27-05)	53,000	10,000
	(08-22-05)	26,000	7,100
	(08-08-04)	14,000	6,300
	(04-24-04)	9,400	4,100
	(12-25-03)	26,000	5,300
	(09-22-03)	68,000	4,100
EW-15	(11-27-05)	71,000	11,000
	(08-22-05)	670,000	11,000
	(08-08-04)	36,000	3,300
	(01-21-04)	72,000	8,400
EW-16	(11-26-05)	1,600	160
	(08-20-05)	1,600	410
	(08-08-04)	2,500	590
	(01-21-04)	1,500	290
EW-17	(11-27-05)	35,000	8,000
	(08-22-05)	42,000	13,000
	(08-08-04)	30,000	6,800

(01-21-04)	18,000	2,600
BM (11-26-05)	<100	<0.5
(08-20-05)	<100	<0.5
BH (11-26-05)	<100	0.76
(08-20-05)	<100	<0.5
BF (11-26-05)	13,000	8,300
(08-20-05)	3,800	89
BL (11-27-05)	<100	<0.5
(08-22-05)	<100	17
BG (11-27-05)	130	2.1
(08-22-05)	100	59
BK (11-27-05)	7,200	93
(08-22-05)	3,600	22
BJ (11-27-05)	6,800	90
(08-22-05)	1,500	14

Appendix A

Sampling Event Logs

Appendix B
Laboratory Data Sheets



9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

December 14, 2005

Frank Goldman
Chun
265 Heron Drive
Pittsburg, CA 94565

Re : Chun
A57212 / 5L01010

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/01/05 10:51 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 Assurance Program Manual, applicable standard operating procedures, and other related documentation. 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 or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<u>8260B TPHGBTEXOXYEDBEDC</u>					
BM	5L01010-01	Water	10	11/26/05 07:35	12/01/05 10:51
BH	5L01010-02	Water	10	11/26/05 08:45	12/01/05 10:51
BF	5L01010-03	Water	10	11/26/05 09:55	12/01/05 10:51
MW-3	5L01010-04	Water	10	11/26/05 10:55	12/01/05 10:51
EW-16	5L01010-05	Water	10	11/26/05 12:30	12/01/05 10:51
MW-4	5L01010-06	Water	10	11/26/05 13:25	12/01/05 10:51
MW-5	5L01010-07	Water	10	11/26/05 14:15	12/01/05 10:51
MW-6	5L01010-08	Water	10	11/26/05 15:05	12/01/05 10:51
MW-1	5L01010-09	Water	10	11/26/05 15:50	12/01/05 10:51
MW-2	5L01010-10	Water	10	11/26/05 16:40	12/01/05 10:51
MW-11	5L01010-11	Water	10	11/26/05 17:55	12/01/05 10:51
EW-13	5L01010-12	Water	10	11/27/05 08:05	11/27/05 08:05
EW-14	5L01010-13	Water	10	11/27/05 09:30	11/27/05 08:05
EW-15	5L01010-14	Water	10	11/27/05 11:00	11/27/05 08:05
EW-17	5L01010-15	Water	10	11/27/05 12:35	11/27/05 08:05
BL	5L01010-16	Water	10	11/27/05 13:40	11/27/05 08:05

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
BG	5L01010-17	Water	10	11/27/05 14:50	11/27/05 08:05
BK	5L01010-18	Water	10	11/27/05 15:40	11/27/05 08:05
BJ	5L01010-19	Water	10	11/27/05 16:35	11/27/05 08:05
MW-8	5L01010-20	Water	10	11/27/05 17:30	11/27/05 08:05
MW-9	5L01010-21	Water	10	11/28/05 07:35	11/27/05 08:05
MW-10	5L01010-22	Water	10	11/28/05 08:45	11/27/05 08:05


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05
Units: ug/L

Date Sampled:	11/26/05	11/26/05	11/26/05	11/26/05
Date Prepared:	12/05/05	12/05/05	12/05/05	12/05/05
Date Analyzed:	12/05/05	12/05/05	12/05/05	12/05/05
AA ID No:	5L01010-01	5L01010-02	5L01010-03	5L01010-04
Client ID No:	BM	BH	BF	MW-3
Dilution Factor:	1	1	1	5
				MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	69	<10	2.0
Benzene	<0.50	0.76	8300	1200	0.50
tert-Butyl alcohol (TBA)	<10	<10	100	<50	10
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<2.5	0.50
1,2-Dichloroethane (EDC)	5.7	5.8	18	47	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<10	2.0
Ethylbenzene	<0.50	<0.50	120	12	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<10	2.0
Gasoline Range Organics (GRO)	<100	<100	13000	6100	100
Methyl-tert-Butyl Ether (MTBE)	3.1	42	35	<10	2.0
Toluene	<0.50	<0.50	2.1	4.1	0.50
o-Xylene	<0.50	<0.50	13	4.7	0.50
m,p-Xylenes	<1.0	<1.0	14	20	1.0

Surrogates					%REC Limits
4-Bromofluorobenzene	150%	146%	114%	118%	80-120
Dibromofluoromethane	112%	118%	114%	138%	80-120
Toluene-d8	114%	112%	98.0%	108%	80-120


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05
Units: ug/L

Date Sampled:	11/26/05	11/26/05	11/26/05	11/26/05	
Date Prepared:	12/05/05	12/05/05	12/05/05	12/05/05	
Date Analyzed:	12/05/05	12/05/05	12/05/05	12/05/05	
AA ID No:	5L01010-05	5L01010-06	5L01010-07	5L01010-08	
Client ID No:	EW-16	MW-4	MW-5	MW-6	
Dilution Factor:	1	1	50	1	MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<100	<2.0	2.0
Benzene	160	<0.50	110	1.4	0.50
tert-Butyl alcohol (TBA)	<10	<10	<500	<10	10
1,2-Dibromoethane (EDB)	<0.50	<0.50	<25	<0.50	0.50
1,2-Dichloroethane (EDC)	28	<0.50	<25	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<100	<2.0	2.0
Ethylbenzene	<0.50	<0.50	1400	6.6	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<100	<2.0	2.0
Gasoline Range Organics (GRO)	1600	<100	38000	480	100
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<100	<2.0	2.0
Toluene	<0.50	<0.50	840	1.5	0.50
o-Xylene	<0.50	<0.50	1600	6.5	0.50
m,p-Xylenes	<1.0	<1.0	5800	16	1.0

Surrogates					%REC Limits
4-Bromofluorobenzene	108%	152%	134%	122%	80-120
Dibromofluoromethane	124%	136%	124%	142%	80-120
Toluene-d8	106%	128%	108%	122%	80-120


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05
Units: ug/L

Date Sampled:	11/26/05	11/26/05	11/26/05	11/27/05
Date Prepared:	12/05/05	12/05/05	12/05/05	12/05/05
Date Analyzed:	12/05/05	12/05/05	12/05/05	12/05/05
AA ID No:	5L01010-09	5L01010-10	5L01010-11	5L01010-12
Client ID No:	MW-1	MW-2	MW-11	EW-13
Dilution Factor:	20	200	100	500
				MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<40	<400	<200	<1000	2.0
Benzene	2600	11000	4000	16000	0.50
tert-Butyl alcohol (TBA)	<200	<2000	<1000	<5000	10
1,2-Dibromoethane (EDB)	<10	<100	<50	<250	0.50
1,2-Dichloroethane (EDC)	<10	<100	<50	<250	0.50
Diisopropyl ether (DIPE)	<40	<400	<200	<1000	2.0
Ethylbenzene	140	1000	3500	4600	0.50
Ethyl-tert-Butyl Ether (ETBE)	<40	<400	<200	<1000	2.0
Gasoline Range Organics (GRO)	6400	38000	56000	150000	100
Methyl-tert-Butyl Ether (MTBE)	<40	<400	<200	<1000	2.0
Toluene	460	3300	2500	49000	0.50
o-Xylene	85	1100	4100	7400	0.50
m,p-Xylenes	580	3700	17000	19000	1.0

Surrogates					%REC Limits
4-Bromofluorobenzene	132%	136%	132%	134%	80-120
Dibromofluoromethane	132%	124%	128%	126%	80-120
Toluene-d8	123%	110%	124%	106%	80-120


Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05
Units: ug/L

Date Sampled:	11/27/05	11/27/05	11/27/05	11/27/05
Date Prepared:	12/05/05	12/05/05	12/05/05	12/05/05
Date Analyzed:	12/05/05	12/05/05	12/05/05	12/05/05
AA ID No:	5L01010-13	5L01010-14	5L01010-15	5L01010-16
Client ID No:	EW-14	EW-15	EW-17	BL
Dilution Factor:	100	500	200	1
				MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<200	<1000	<400	<2.0	2.0
Benzene	10000	11000	8000	<0.50	0.50
tert-Butyl alcohol (TBA)	<1000	<5000	<2000	<10	10
1,2-Dibromoethane (EDB)	<50	<250	<100	<0.50	0.50
1,2-Dichloroethane (EDC)	<50	<250	<100	5.7	0.50
Diisopropyl ether (DIPE)	<200	<1000	<400	<2.0	2.0
Ethylbenzene	2100	2900	1400	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<200	<1000	<400	<2.0	2.0
Gasoline Range Organics (GRO)	53000	71000	35000	<100	100
Methyl-tert-Butyl Ether (MTBE)	<200	<1000	<400	8.6	2.0
Toluene	11000	12000	7100	<0.50	0.50
o-Xylene	3000	4300	2100	<0.50	0.50
m,p-Xylenes	7100	13000	5300	<1.0	1.0

<u>Surrogates</u>	%REC Limits			
4-Bromofluorobenzene	142%	140%	142%	138% 80-120
Dibromofluoromethane	124%	130%	122%	138% 80-120
Toluene-d8	104%	112%	112%	126% 80-120


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05
Units: ug/L

Date Sampled:	11/27/05	11/27/05	11/27/05	11/27/05
Date Prepared:	12/05/05	12/05/05	12/05/05	12/06/05
Date Analyzed:	12/05/05	12/05/05	12/05/05	12/06/05
AA ID No:	5L01010-17	5L01010-18	5L01010-19	5L01010-20
Client ID No:	BG	BK	BJ	MW-8
Dilution Factor:	1	5	1	1
				MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<10	<2.0	<2.0	2.0
Benzene	2.1	93	90	<0.50	0.50
tert-Butyl alcohol (TBA)	<10	<50	<10	<10	10
1,2-Dibromoethane (EDB)	<0.50	<2.5	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	20	<2.5	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<10	<2.0	<2.0	2.0
Ethylbenzene	<0.50	780	880	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<10	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	130	7200	6800	<100	100
Methyl-tert-Butyl Ether (MTBE)	44	<10	<2.0	<2.0	2.0
Toluene	<0.50	390	380	<0.50	0.50
o-Xylene	<0.50	420	410	<0.50	0.50
m,p-Xylenes	<1.0	900	<20	<1.0	1.0

Surrogates					%REC Limits
4-Bromofluorobenzene	148%	132%	148%	160%	80-120
Dibromofluoromethane	116%	120%	130%	126%	80-120
Toluene-d8	106%	106%	111%	120%	80-120


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Sample Matrix: Water
Method: Purgeable Volatile Organic Compounds by GC/MS

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05
Units: ug/L

Date Sampled:	11/28/05	11/28/05	
Date Prepared:	12/06/05	12/06/05	
Date Analyzed:	12/06/05	12/06/05	
AA ID No:	5L01010-21	5L01010-22	
Client ID No:	MW-9	MW-10	
Dilution Factor:	1	1	MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	0.50
tert-Butyl alcohol (TBA)	<10	<10	10
1,2-Dibromoethane (EDB)	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	100
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	2.0
Toluene	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	1.0

Surrogates

			%REC Limits
4-Bromofluorobenzene	150%	172%	80-120
Dibromofluoromethane	138%	142%	80-120
Toluene-d8	108%	112%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
<i>Batch B5L0813 - EPA 5030B</i>										
Blank (B5L0813-BLK1)										
Prepared & Analyzed: 12/05/05										
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
tert-Butyl alcohol (TBA)	<10	10	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	57.0		ug/L	50.0		114	80-120			
Surrogate: Dibromofluoromethane	47.0		ug/L	50.0		94.0	80-120			
Surrogate: Toluene-d8	54.0		ug/L	50.0		108	80-120			
LCS (B5L0813-BS1)										
Prepared & Analyzed: 12/05/05										
Benzene	20.9	0.50	ug/L	20.0		104	75-125			
1,2-Dichloroethane (EDC)	22.2	0.50	ug/L	20.0		111	75-125			
Ethylbenzene	22.2	0.50	ug/L	20.0		111	75-125			
Gasoline Range Organics (GRO)	470	100	ug/L	500		94.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	23.8	2.0	ug/L	20.0		119	75-125			
Toluene	19.5	0.50	ug/L	20.0		97.5	75-125			
o-Xylene	22.5	0.50	ug/L	20.0		112	75-125			
Surrogate: 4-Bromofluorobenzene	58.0		ug/L	50.0		116	80-120			
Surrogate: Dibromofluoromethane	54.0		ug/L	50.0		108	80-120			
Surrogate: Toluene-d8	50.8		ug/L	50.0		102	80-120			
Matrix Spike (B5L0813-MS1)										
Source: 5L01010-06 Prepared & Analyzed: 12/05/05										
Benzene	20.1	0.50	ug/L	20.0	<0.50	100	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
<i>Batch B5L0813 - EPA 5030B</i>										
Matrix Spike (B5L0813-MS1) Continued Source: 5L01010-06 Prepared & Analyzed: 12/05/05										
Ethylbenzene	21.0	0.50	ug/L	20.0	<0.50	105	70-130			
Methyl-tert-Butyl Ether (MTBE)	28.3	2.0	ug/L	20.0	<2.0	142	70-130			
Toluene	18.4	0.50	ug/L	20.0	<0.50	92.0	70-130			
Surrogate: 4-Bromofluorobenzene	65.0		ug/L	50.0		130	80-120			
Surrogate: Dibromofluoromethane	65.7		ug/L	50.0		131	80-120			
Surrogate: Toluene-d8	51.0		ug/L	50.0		102	80-120			
Matrix Spike Dup (B5L0813-MSD1) Source: 5L01010-06 Prepared & Analyzed: 12/05/05										
Benzene	20.1	0.50	ug/L	20.0	<0.50	100	70-130	0.00	30	
Ethylbenzene	22.3	0.50	ug/L	20.0	<0.50	112	70-130	6.00	30	
Methyl-tert-Butyl Ether (MTBE)	28.1	2.0	ug/L	20.0	<2.0	140	70-130	0.709	30	
Toluene	19.5	0.50	ug/L	20.0	<0.50	97.5	70-130	5.80	30	
Surrogate: 4-Bromofluorobenzene	63.0		ug/L	50.0		126	80-120			
Surrogate: Dibromofluoromethane	66.0		ug/L	50.0		132	80-120			
Surrogate: Toluene-d8	54.8		ug/L	50.0		110	80-120			
<i>Batch B5L0817 - EPA 5030B</i>										
Blank (B5L0817-BLK1) Prepared & Analyzed: 12/06/05										
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
tert-Butyl alcohol (TBA)	<10	10	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							


Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
Purgeable Volatile Organic Compounds by GC/MS - Quality Control										
Batch B5L0817 - EPA 5030B										
Blank (B5L0817-BLK1) Continued										
Surrogate: 4-Bromofluorobenzene	71.0		ug/L	50.0		142	80-120			
Surrogate: Dibromofluoromethane	51.0		ug/L	50.0		102	80-120			
Surrogate: Toluene-d8	55.0		ug/L	50.0		110	80-120			
LCS (B5L0817-BS1)										
Benzene	20.0	0.50	ug/L	20.0		100	75-125			
1,2-Dichloroethane (EDC)	22.2	0.50	ug/L	20.0		111	75-125			
Ethylbenzene	20.4	0.50	ug/L	20.0		102	75-125			
Gasoline Range Organics (GRO)	462	100	ug/L	500		92.4	75-125			
Methyl-tert-Butyl Ether (MTBE)	23.8	2.0	ug/L	20.0		119	75-125			
Toluene	17.9	0.50	ug/L	20.0		89.5	75-125			
o-Xylene	21.7	0.50	ug/L	20.0		108	75-125			
Surrogate: 4-Bromofluorobenzene	64.0		ug/L	50.0		128	80-120			
Surrogate: Dibromofluoromethane	61.0		ug/L	50.0		122	80-120			
Surrogate: Toluene-d8	53.0		ug/L	50.0		106	80-120			
Matrix Spike (B5L0817-MS1)										
	Source: 5L01010-21					Prepared & Analyzed: 12/06/05				
Benzene	20.3	0.50	ug/L	20.0	<0.50	102	70-130			
Ethylbenzene	20.2	0.50	ug/L	20.0	<0.50	101	70-130			
Methyl-tert-Butyl Ether (MTBE)	18.1	2.0	ug/L	20.0	<2.0	90.5	70-130			
Toluene	18.3	0.50	ug/L	20.0	<0.50	91.5	70-130			
Surrogate: 4-Bromofluorobenzene	63.0		ug/L	50.0		126	80-120			
Surrogate: Dibromofluoromethane	67.0		ug/L	50.0		134	80-120			
Surrogate: Toluene-d8	51.0		ug/L	50.0		102	80-120			
Matrix Spike Dup (B5L0817-MSD1)										
	Source: 5L01010-21					Prepared & Analyzed: 12/06/05				
Benzene	22.3	0.50	ug/L	20.0	<0.50	112	70-130	9.39	30	
Ethylbenzene	21.2	0.50	ug/L	20.0	<0.50	106	70-130	4.83	30	
Methyl-tert-Butyl Ether (MTBE)	19.8	2.0	ug/L	20.0	<2.0	99.0	70-130	8.97	30	
Toluene	18.9	0.50	ug/L	20.0	<0.50	94.5	70-130	3.23	30	
Surrogate: 4-Bromofluorobenzene	64.0		ug/L	50.0		128	80-120			
Surrogate: Dibromofluoromethane	66.0		ug/L	50.0		132	80-120			
Surrogate: Toluene-d8	53.0		ug/L	50.0		106	80-120			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57212
Date Received: 12/01/05
Date Reported: 12/14/05

Special Notes

Viorel Vasile
Operations Manager

~~115707~~ A57212 / SL01010

Franklin J. Goldman
PO BOX 59, Sonoma, CA 95476
Phone: (707) 235-9979
franklingoldman1@yahoo.com

CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.

Laboratory Please Call Accounts Payable for P.O. No.

Date: _____ Sheet 1 Of 3

Project Name <u>Chun</u>				Parameters										Laboratory Delivery Location American Analytics, Inc. 9765 Eton Ave Chatsworth, CA Phone: (818) 998-5547					
Project Number																			
Address <u>2301 Santa Clara</u>																			
Sampler's Name: <u>Frank Goldman</u>																			
Sampler's Signature: <u>Frank Goldman</u>																			
Sample Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8280b for 5 oxygenates & 2 lead scavengers	GRO BTEX, SOX, 2 lead	WATER SAMPLE	SOIL SAMPLE	Phone Turnaround Time	
BM		11/24/05	7:35 AM								X					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BH			8:45								1-02					Rush	24 Hour	48 Hour	5-Day
BF			9:55								1-03								
MW-3			10:55								1-04								
EW-16			12:30 PM								1-05								
MW-4			1:25								1-06								
MW-5			2:15								1-07								
MW-6			3:05								1-08								
MW-1			3:50								1-09								
MW-2			4:40								1-10								
Relinquished By	Date	Time	Received By	Date	Time	Total Number of Containers this Sheet:													
<u>Frank Goldman</u>	11/24/05	4:45 PM	<u>Q FedEx</u>	11/24/05	1:45 PM	10													
Dispatched By	Date	Time	Received in Lab By	Date	Time	Method of Shipment:													
			<u>Q FedEx</u>			Special Shipment/Handling or Storage Requirements:													
						Keep on Ice													

Approved as work order 12/01/05 1645
11/24/05

~~AD7804~~ H57212/SL01010

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franklingoldman1@yahoo.com

CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. _____

Laboratory Please Call Accounts Payable for P.O. No. _____

Date: _____ Sheet 2 Of 3

Project Name: _____
Project Number: _____
Address: _____

Sampler's Name: Frank Goldman

Sampler's Signature: 

Sample Number	Location	Date	Time
MW-11		11/26/05	5:55 PM
EW-13		11/27/05	8:05 AM
EW-14			9:30
EW-15			11 AM
EW-17			12:35 PM
BL			1:45
BG			2:55
BK			3:45
BJ			4:35
MW-8			5:30

Parameters						Laboratory Delivery Location				
TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAM Metals (17)	American Analytics, Inc.			
						Pr. Pollutant Metals (13)	9765 Eton Ave			
						Base/Neu/Acids (Organic)	Chatsworth, CA			
						Pesticides 8140/8141	Phone: (818) 998-5547			
						Method 8260b for 5 oxygenates & 2 lead scavengers				
						GROBTEX, 50% OXY, 2 Lead				
						Bulk density, moisture, porosity fraction of organic carbon				
						SOIL SAMPLE				
						WATER SAMPLE				
Comments										
							Turnaround Time			
							<input type="checkbox"/> Rush	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour	<input checked="" type="checkbox"/> 5-Day
							Repeat to: Frank			

~~1107097~~ A5722/SLO1010

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.

Laboratory Please Call Accounts Payable for P.O. No.

Date: _____ Sheet 3 Of 3

Project Name	Parameters												Laboratory Delivery Location		
Project Number													American Analytics, Inc.		
Address													9765 Eton Ave		
Sampler's Name:													Chatsworth, CA		
Sampler's Signature:													Phone: (818) 998-5547		
Sample Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAN Metals (17)	Pr. Pollutant Metals (13)	Pesticides 8140/8141	Method 8260b for 5 oxy/generates & 2 lead scavengers	SOIL SAMPLE	WATER SAMPLE
MW-9		11/28/05	7:35 AM												
MW-10		11/28/05	8:45 AM												
												Phone Turnaround Time			
												<input type="checkbox"/> Rush	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour	<input checked="" type="checkbox"/> 5-Day
												Repeat to: Frank			
												Comments			
												3 VOAs			
												3 VOAs			
Relinquished By	Date	Time	Received By	Date	Time	Total Number of Containers this Sheet:									
Franklin J. Goldman	11/29/05	1:49 PM	O	Frank-X	11/29/05	1:49 PM	1								
Dispatched By	Date	Time	Received in Lab By	Date	Time	Method of Shipment:									
Franklin J. Goldman			J. Cg	12/01/05	10:51 AM	Special Shipment/Handling or Storage Requirements:									
												Keep on Ice			

Approved as work order 12/01/05 1645