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By dehloptoxic at 8:45 am, Nov 16, 2006

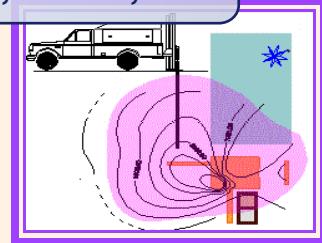
Franklin J. Goldman, CHG

Environmental and Hydrogeological Consulting

PO Box 59, Sonoma, CA 95476

Phone: (707) 235-9979

fjgoldmanchg@yahoo.com



November 13, 2006

**Barney M. Chan
Hazardous Materials Specialist**

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

**Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335**

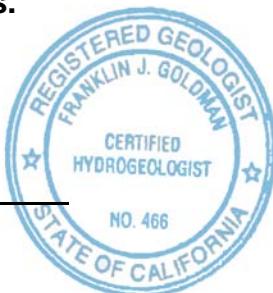
Subject: Groundwater Monitoring of Hydrocarbons related to the Former Underground Storage Tanks at the FORMER BILL CHUN SERVICE STATION @ 2301 SANTA CLARA AVENUE, ALAMEDA, CA 94501

Dear Barney:

This technical report summarizes the laboratory results of analyses performed for gasoline related constituents in groundwater. The groundwater monitoring event, performed on September 05, 06, and 07, 2006, represents a compilation of data covering samples collected and analyzed from onsite wells, and offsite down gradient monitoring wells, installed on the Towata property.

Call me if you have any questions.

Sincerely,



**Franklin J. Goldman
Certified Hydrogeologist No. 466**

GROUNDWATER FLOW DIRECTION

On September 7, 2006, a Slope Indicator water level meter was used to measure the depth to groundwater in the groundwater monitoring and extraction wells. 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 approximately between 8&1/2 and 12 ½ feet bgs. The predominant groundwater gradient flow direction is to the southeast at 0.025 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 1.2 shallower in depth 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 upward 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 plastic 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 Sheets](#)). 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.

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

Gasoline ranged organics (GROs) and benzene generally decreased since groundwater monitoring was initiated ([See Appendix B for Laboratory Data Sheets](#)) and ([Table 2 for Historical Trends of GRO and Benzene concentrations](#)). The plumes of GROs and benzene 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](#)). Low concentrations of GRO and oxygenates were identified in well BH. BH may be screened in a deeper groundwater zone ([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.

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.

TABLE 1
Depth to Groundwater Measurements
September 07, 2006
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	10.70	28.49	17.79
MW-2	10.95	28.47	17.52
MW-3	11.66	28.78	17.12
MW-4	10.84	28.53	17.69
MW-5	10.45	28.33	17.88
MW-6	10.28	28.36	18.08
MW-7	11.22	28.44	17.22
MW-8	11.49	28.17	16.68
MW-9	8.78	27.45	18.67
MW-10	8.53	27.32	18.79
MW-11	8.78	25.17	16.39
EW-12	10.59	28.25	17.66
EW-13	11.46	28.64	17.18
EW-14	12.30	29.21	16.91
EW-15	11.62	28.71	17.09
EW-16	12.43	29.02	16.59
EW-17	11.70	28.95	17.25
BL	8.33	25.37	17.04
BK	7.43	25.02	17.59

Well No	Depth to Groundwater from TOC (feet bgs)	TOC Elevation (feet) MSN	Water Table Elevation (feet)
BJ	7.71	25.03	17.32
BH	10.09	25.18	15.09
BM	9.88	25.17	15.29
BF	9.41	25.66	16.25
BG	9.85	25.85	16.00

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

Well Identification	Date	GROs	Benzene
MW-1	(09-05-06)	62,000	17,000
	(06-11-06)	65,000	21,000
	(03-13-06)	72,000	17,000
	(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
MW-2	(09-05-06)	24,000	8,100
	(06-11-06)	37,000	12,000
	(03-13-06)	50,000	15,000
	(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
MW-3	(09-05-06)	6,000	1,500
	(06-11-06)	7,000	2,000

Well Identification	Date	GROs	Benzene
	(03-13-06)	6,400	2,100
	(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	(09-05-06)	760	<0.50
	(06-12-06)	1,500	0.89
	(03-13-06)	320	<0.50
	(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	(09-05-06)	15,000	56
	(06-12-06)	14,000	91
	(03-13-06)	21,000	61
	(11-26-05)	38,000	110
	(08-20-05)	19,000	130
	(08-08-04)	13,000	82

Well Identification	Date	GROs	Benzene
	(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	(09-05-06)	1,100	4.4
	(06-12-06)	910	3.3
	(03-13-06)	<100	<0.50
	(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	(06-12-06)	NA	NA
	(03-13-06)	NA	NA
	(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	(09-06-06)	<100	1.4

Well Identification	Date	GROs	Benzene
	(06-12-06)	<100	<0.5
	(03-13-06)	<100	<0.5
	(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	(09-07-06)	<100	<0.5
	(06-13-06)	<100	<0.5
	(03-13-06)	<100	<0.5
	(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	(09-07-06)	<100	<0.5
	(06-13-06)	<100	<0.5
	(03-13-06)	<100	<0.5
	(11-27-05)	<100	<0.5
	(08-22-04)	<100	<0.5
	(04-24-04)	ND	ND

Well Identification	Date	GROs	Benzene
	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-03-02)	ND	ND
	(09-17-00)	ND	ND
MW-11	(09-06-06)	36,000	5,900
	(06-12-06)	44,000	5,900
	(03-13-06)	47,000	5,600
	(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	(06-13-06)	NA	NA
	(03-13-06)	NA	NA
	(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	(06-11-06)	NA	NA
	(03-13-06)	NA	NA
	(11-27-05)	NA	NA

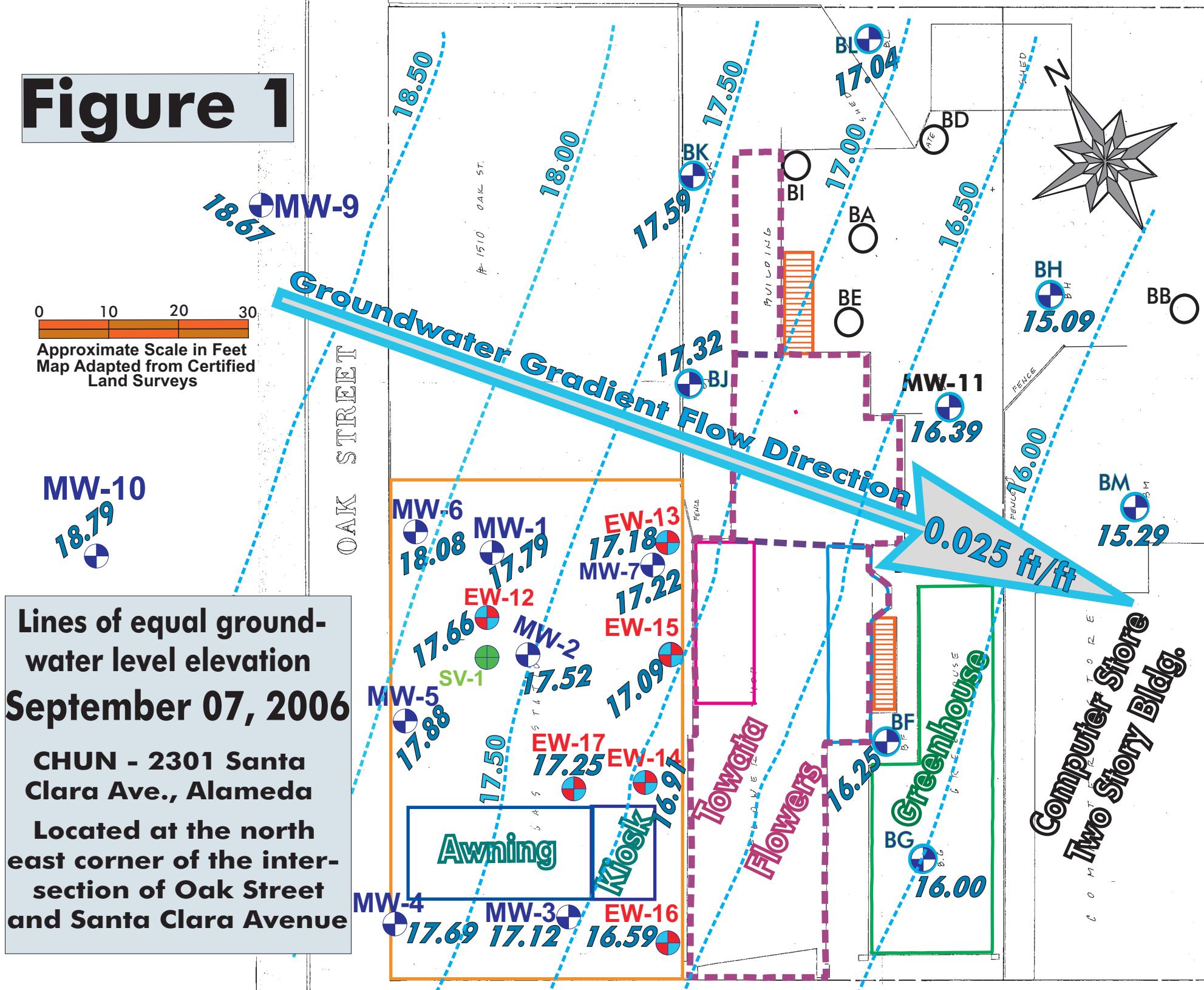
Well Identification	Date	GROs	Benzene
EW-13	(08-08-04)	NA	NA
	(04-24-04)	12,000	920
	(12-25-03)	9,900	790
	(09-21-03)	19,000	590
	(10-31-02)	5,840	75.7
	(09-05-06)	120,000	12,000
	(06-11-06)	130,000	23,000
	(03-13-06)	140,000	16,000
	(11-27-05)	150,000	16,000
	(08-20-05)	130,000	27,000
EW-14	(08-08-04)	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
	(09-06-06)	20,000	4,700
	(06-11-06)	2,300	1,100
	(03-13-06)	1,300	360
	(11-27-05)	53,000	10,000
EW-15	(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
	(09-05-06)	51,000	8,200
	(06-11-06)	25,000	2,900

Well Identification	Date	GROs	Benzene
	(03-13-06)	12,000	1,900
	(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	(09-05-06)	2,100	210
	(06-11-06)	1,400	680
	(03-13-06)	900	400
	(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	(09-06-06)	26,000	8,900
	(06-11-06)	38,000	9,700
	(03-13-06)	29,000	6,500
	(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	(09-06-06)	<100	<0.5
	(06-12-06)	<100	<0.5
	(03-13-06)	<100	<0.5
	(11-26-05)	<100	<0.5
	(08-20-05)	<100	<0.5
BH	(09-06-06)	<100	<0.50
	(06-12-06)	<100	0.93

Well Identification	Date	GROs	Benzene
	(03-13-06)	<100	<0.50
	(11-26-05)	<100	0.76
	(08-20-05)	<100	<0.5
BF	(09-06-06)	<10,000	6,500
	(06-12-06)	14,000	11,000
	(03-13-06)	<10,000	5,300
	(11-26-05)	13,000	8,300
	(08-20-05)	3,800	89
BL	(09-07-06)	<100	<0.5
	(06-12-06)	<100	6.8
	(03-13-06)	400	110
	(11-27-05)	<100	<0.5
	(08-22-05)	<100	17
BG	(09-07-06)	<100	3.3
	(06-12-06)	110	7.6
	(03-13-06)	<100	<0.5
	(11-27-05)	130	2.1
	(08-22-05)	100	59
BK	(09-07-06)	1,100	0.54
	(06-11-06)	700	<0.50
	(03-13-06)	1,800	<0.50
	(11-27-05)	7,200	93
	(08-22-05)	3,600	22
BJ	(09-07-06)	<100	<0.5
	(06-11-06)	<100	<0.5

Well Identification	Date	GROs	Benzene
	(03-13-06)	790	<0.5
	(11-27-05)	6,800	90
	(08-22-05)	1,500	14

Figure 1



0 10 20 30

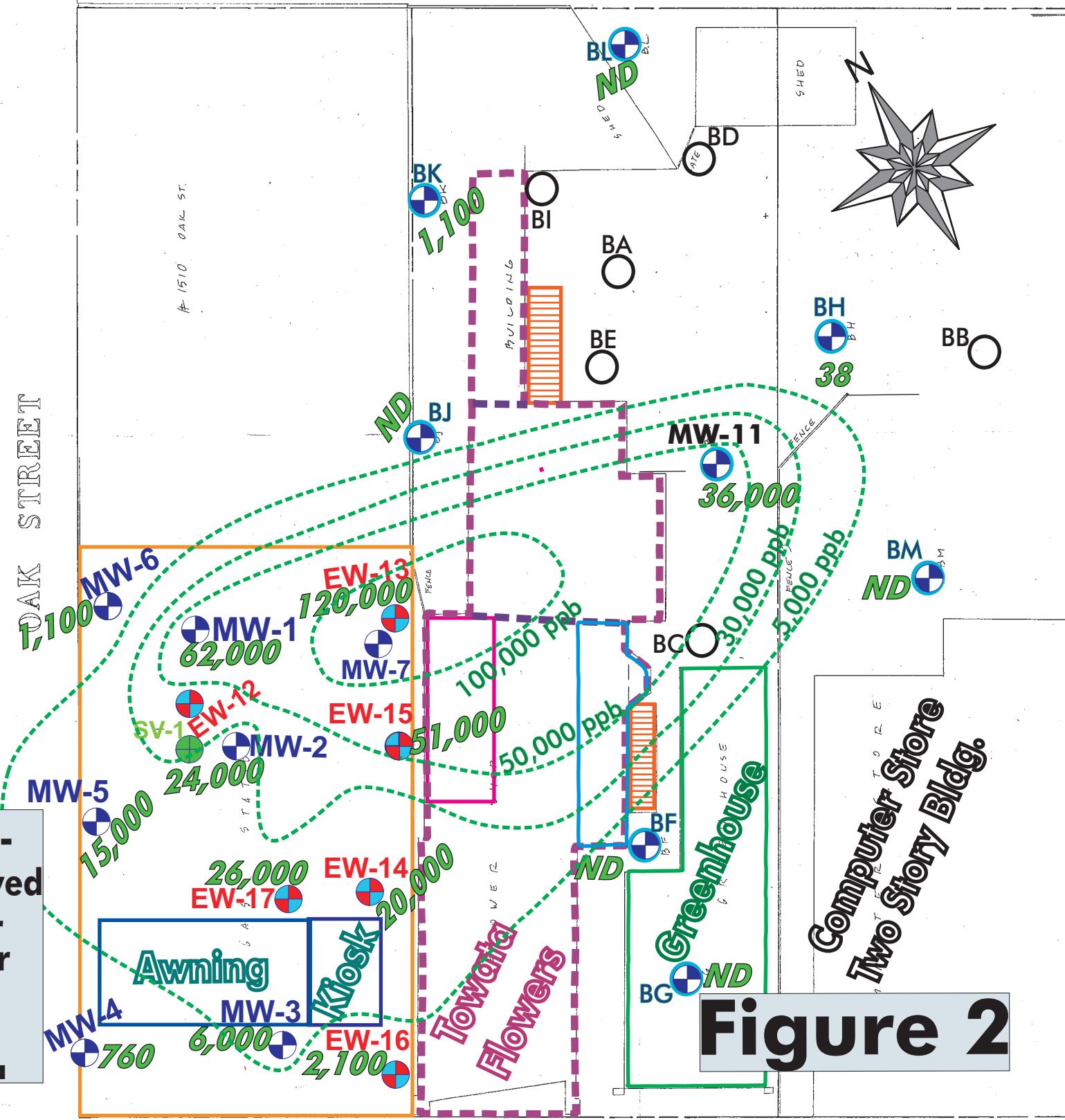
Approximate Scale in Feet
Map Adapted from Certified
Land Surveys

MW-10



MW-9
ND

Lines of equal concentrations (ppb) of dissolved GROs in groundwater Sampled on September 5, 6, and 7, 2006 CHUN - 2301 Santa Clara Ave., Alameda





Approximate Scale in Feet
Map Adapted from Certified
Land Surveys

MW-9
ND

MW-10
ND

**Lines of equal concentrations (ppb) of dissolved benzene in groundwater
Sampled on September,
5, 6, and 7, 2006
CHUN - 2301 Santa
Clara Ave., Alameda**

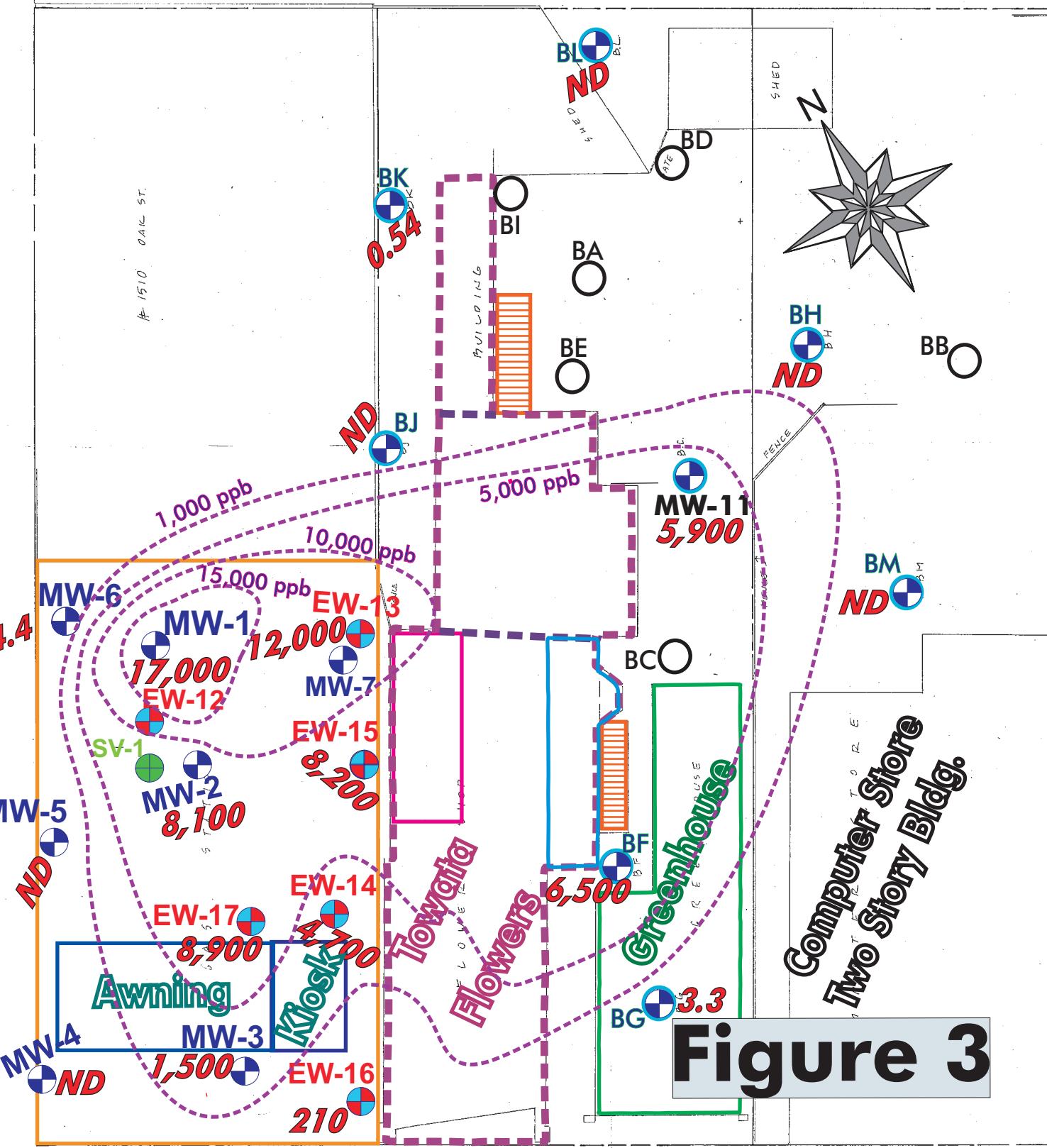


Figure 3

0 10 20 30

Approximate Scale in Feet
Map Adapted from Certified
Land Surveys

MW-10

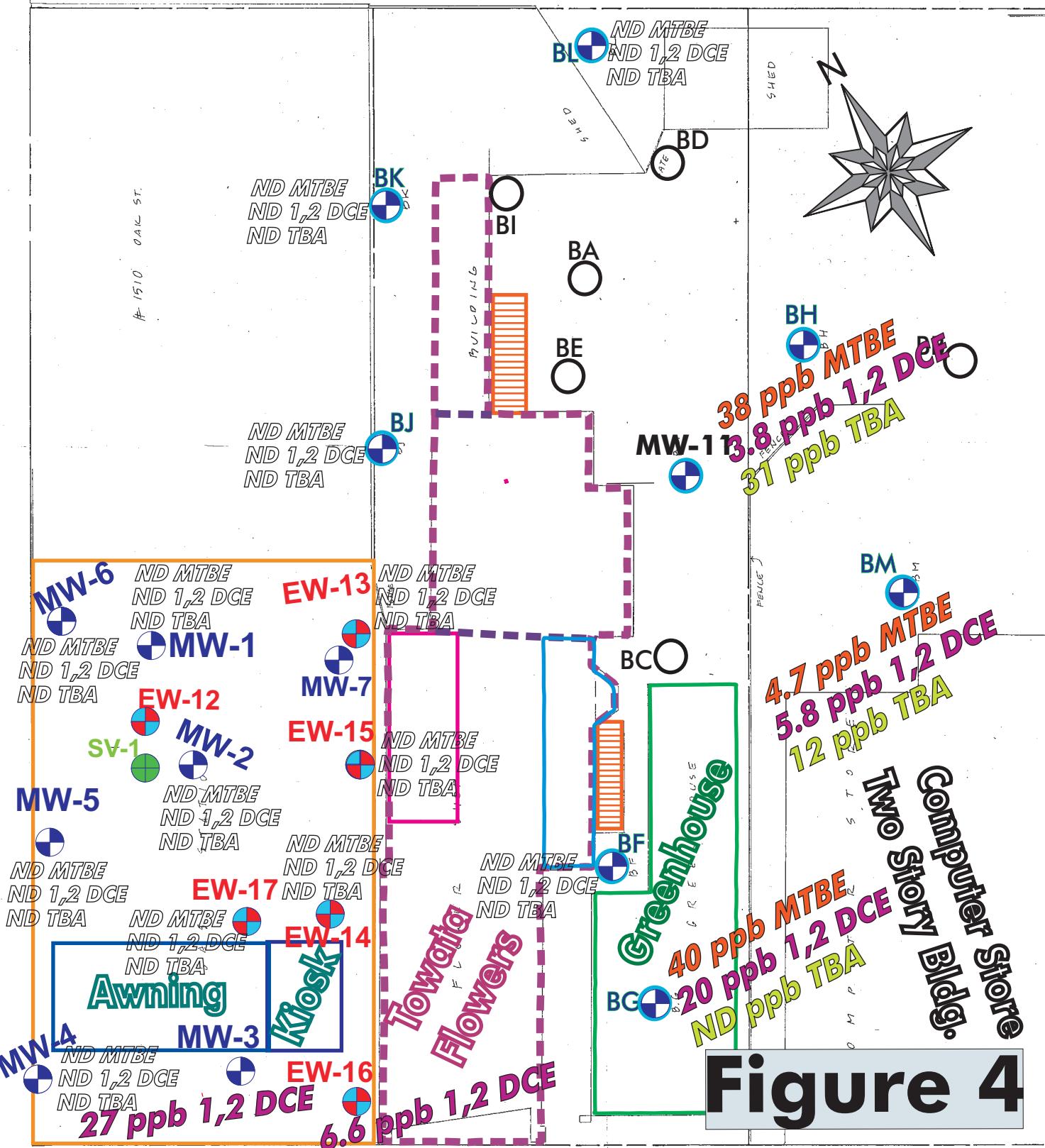
ND MTBE
ND 1,2 DCE
ND TBA

MW-9

ND MTBE
ND 1,2 DCE
ND TBA

Concentrations (ppb) of dissolved oxygenates & lead scavengers in groundwater
Sampled on September, 5, 6, & 7, 2006

CHUN - 2301 Santa Clara Ave., Alameda





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

September 26, 2006

Frank Goldman
Chun
265 Heron Drive
Pittsburg, CA 94565

Re : Chun
A57216 / 6I13003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/13/06 11:36 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,

A handwritten signature in black ink, appearing to read "Viorel Vasile".

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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8260B TPHGBTEXOXYEDBEDC

EW-16	6I13003-01	Water	10	09/05/06 10:50	09/13/06 11:36
MW-3	6I13003-02	Water	10	09/05/06 12:10	09/13/06 11:36
MW-4	6I13003-03	Water	10	09/05/06 13:05	09/13/06 11:36
MW-5	6I13003-04	Water	10	09/05/06 13:55	09/13/06 11:36
MW-6	6I13003-05	Water	10	09/05/06 15:10	09/13/06 11:36
MW-1	6I13003-06	Water	10	09/05/06 16:00	09/13/06 11:36
MW-2	6I13003-07	Water	10	09/05/06 16:50	09/13/06 11:36
EW-13	6I13003-08	Water	10	09/05/06 18:20	09/13/06 11:36
EW-15	6I13003-09	Water	10	09/06/06 08:25	09/13/06 11:36
EW-14	6I13003-10	Water	10	09/06/06 10:10	09/13/06 11:36
EW-17	6I13003-11	Water	10	09/06/06 11:40	09/13/06 11:36
BH	6I13003-12	Water	10	09/06/06 12:55	09/13/06 11:36
MW-8	6I13003-13	Water	10	09/06/06 14:00	09/13/06 11:36
BF	6I13003-14	Water	10	09/06/06 14:40	09/13/06 11:36
MW-11	6I13003-15	Water	10	09/06/06 15:35	09/13/06 11:36
BM	6I13003-16	Water	10	09/06/06 16:50	09/13/06 11:36
BL	6I13003-17	Water	10	09/07/06 08:45	09/13/06 11:36
BJ	6I13003-18	Water	10	09/07/06 09:25	09/13/06 11:36
BK	6I13003-19	Water	10	09/07/06 10:00	09/13/06 11:36


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
BG	6I13003-20	Water	10	09/07/06 11:15	09/13/06 11:36
MW-9	6I13003-21	Water	10	09/07/06 12:25	09/13/06 11:36
MW-10	6I13003-22	Water	10	09/07/06 13:10	09/13/06 11:36


Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: TPHG/BTEX/OXY/EDBEDC by GC/MS

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06
Units: ug/L

Date Sampled:	09/05/06	09/05/06	09/05/06	09/05/06
Date Prepared:	09/15/06	09/15/06	09/15/06	09/15/06
Date Analyzed:	09/15/06	09/15/06	09/15/06	09/15/06
AA ID No:	6I13003-01	6I13003-02	6I13003-03	6I13003-04
Client ID No:	EW-16	MW-3	MW-4	MW-5
Matrix:	Water	Water	Water	Water
Dilution Factor:	5	20	1	20
				MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<10	<40	<2.0	<40	2.0
Benzene	210	1500	<0.50	56	0.50
tert-Butyl alcohol (TBA)	<50	<200	<10	<200	10
1,2-Dibromoethane (EDB)	<2.5	<10	<0.50	<10	0.50
1,2-Dichloroethane (EDC)	6.6	27	<0.50	<10	0.50
Diisopropyl ether (DIPE)	<10	<40	<2.0	<40	2.0
Ethylbenzene	2.6	180	1.6	890	0.50
Ethyl-tert-Butyl Ether (ETBE)	<10	<40	<2.0	<40	2.0
Gasoline Range Organics (GRO)	2100	6000	760	15000	100
Methyl-tert-Butyl Ether (MTBE)	<10	<40	<2.0	<40	2.0
Toluene	<2.5	31	<0.50	550	0.50
o-Xylene	<2.5	160	<0.50	910	0.50
m,p-Xylenes	<5.0	560	60	3000	1.0

Surrogates	%REC Limits			
Dibromofluoromethane	114%	111%	108%	107% 80-120
Toluene-d8	107%	104%	107%	105% 80-120


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: TPHG/BTEX/OXY/EDBEDC by GC/MS

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06
Units: ug/L

Date Sampled:	09/05/06	09/05/06	09/05/06	09/05/06	
Date Prepared:	09/15/06	09/15/06	09/15/06	09/15/06	
Date Analyzed:	09/15/06	09/15/06	09/16/06	09/16/06	
AA ID No:	6I13003-05	6I13003-06	6I13003-07	6I13003-08	
Client ID No:	MW-6	MW-1	MW-2	EW-13	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	200	100	500	MRL

8260B TPHGBTEXOXYEBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<400	<200	<1000	2.0
Benzene	4.4	17000	8100	12000	0.50
tert-Butyl alcohol (TBA)	<10	<2000	<1000	<5000	10
1,2-Dibromoethane (EDB)	<0.50	<100	<50	<250	0.50
1,2-Dichloroethane (EDC)	<0.50	<100	<50	<250	0.50
Diisopropyl ether (DIPE)	<2.0	<400	<200	<1000	2.0
Ethylbenzene	50	2300	840	3200	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<400	<200	<1000	2.0
Gasoline Range Organics (GRO)	1100	62000	24000	120000	100
Methyl-tert-Butyl Ether (MTBE)	<2.0	<400	<200	<1000	2.0
Toluene	10	12000	1400	40000	0.50
o-Xylene	50	2200	590	5800	0.50
m,p-Xylenes	140	6400	2500	12000	1.0

Surrogates					%REC Limits
Dibromofluoromethane	112%	110%	108%	113%	80-120
Toluene-d8	104%	104%	108%	105%	80-120


Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: TPHG/BTEX/OXY/EDBEDC by GC/MS

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06
Units: ug/L

Date Sampled:	09/06/06	09/06/06	09/06/06	09/06/06	
Date Prepared:	09/15/06	09/15/06	09/19/06	09/19/06	
Date Analyzed:	09/15/06	09/15/06	09/19/06	09/19/06	
AA ID No:	6I13003-09	6I13003-10	6I13003-11	6I13003-12	
Client ID No:	EW-15	EW-14	EW-17	BH	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	50	10	100	1	MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<100	<20	<200	<2.0	2.0
Benzene	8200	4700	8900	<0.50	0.50
tert-Butyl alcohol (TBA)	<500	<100	<1000	31	10
1,2-Dibromoethane (EDB)	<25	<5.0	<50	<0.50	0.50
1,2-Dichloroethane (EDC)	<25	<5.0	<50	3.8	0.50
Diisopropyl ether (DIPE)	<100	<20	<200	<2.0	2.0
Ethylbenzene	2300	980	1300	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<100	<20	<200	<2.0	2.0
Gasoline Range Organics (GRO)	51000	20000	26000	<100	100
Methyl-tert-Butyl Ether (MTBE)	<100	<20	<200	38	2.0
Toluene	11000	4200	6900	<0.50	0.50
o-Xylene	3100	1200	1700	<0.50	0.50
m,p-Xylenes	8100	2600	4500	<1.0	1.0

Surrogates	%REC Limits			
Dibromofluoromethane	108%	110%	100%	100%
Toluene-d8	102%	102%	98.0%	98.0%


Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: TPHG/BTEX/OXY/EDBEDC by GC/MS

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06
Units: ug/L

Date Sampled:	09/06/06	09/06/06	09/06/06	09/06/06	
Date Prepared:	09/19/06	09/19/06	09/19/06	09/19/06	
Date Analyzed:	09/19/06	09/19/06	09/19/06	09/19/06	
AA ID No:	6I13003-13	6I13003-14	6I13003-15	6I13003-16	
Client ID No:	MW-8	BF	MW-11	BM	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	100	100	1	MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<200	<200	<2.0	2.0
Benzene	1.4	6500	5900	<0.50	0.50
tert-Butyl alcohol (TBA)	<10	<1000	<1000	12	10
1,2-Dibromoethane (EDB)	<0.50	<50	<50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<50	<50	5.8	0.50
Diisopropyl ether (DIPE)	<2.0	<200	<200	<2.0	2.0
Ethylbenzene	<0.50	170	3000	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<200	<200	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<10000	36000	<100	100
Methyl-tert-Butyl Ether (MTBE)	<2.0	<200	<200	4.7	2.0
Toluene	0.71	<50	2100	<0.50	0.50
o-Xylene	<0.50	<50	3000	<0.50	0.50
m,p-Xylenes	<1.0	<100	13000	<1.0	1.0

Surrogates					%REC Limits
Dibromofluoromethane	96.0%	100%	100%	102%	80-120
Toluene-d8	98.0%	96.0%	96.0%	98.0%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: TPHG/BTEX/OXY/EDBEDC by GC/MS

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06
Units: ug/L

Date Sampled:	09/07/06	09/07/06	09/07/06	09/07/06	
Date Prepared:	09/19/06	09/19/06	09/19/06	09/19/06	
Date Analyzed:	09/19/06	09/19/06	09/19/06	09/19/06	
AA ID No:	6I13003-17	6I13003-18	6I13003-19	6I13003-20	
Client ID No:	BL	BJ	BK	BG	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B TPHGBTEXOXYEDBEDC (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	1.4	0.54	3.3	0.50
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	20	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	1.5	8.5	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	1100	<100	100
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	40	2.0
Toluene	<0.50	3.8	4.9	<0.50	0.50
o-Xylene	<0.50	0.59	13	<0.50	0.50
m,p-Xylenes	<1.0	8.5	57	<1.0	1.0

Surrogates	%REC Limits			
Dibromofluoromethane	100%	102%	100%	98.0% 80-120
Toluene-d8	98.0%	98.0%	96.0%	98.0% 80-120


Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: TPHG/BTEX/OXY/EDBEDC by GC/MS

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06
Units: ug/L

Date Sampled:	09/07/06	09/07/06	
Date Prepared:	09/19/06	09/19/06	
Date Analyzed:	09/19/06	09/19/06	
AA ID No:	6I13003-21	6I13003-22	
Client ID No:	MW-9	MW-10	
Matrix:	Water	Water	
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	
Dibromofluoromethane	96.0%	100% 80-120
Toluene-d8	98.0%	100% 80-120


Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06

Analyte	Reporting Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
TPHG/BTEX/OXY/EDBEDC by GC/MS - Quality Control										
<i>Batch B6I1503 - EPA 5030B</i>										
Blank (B6I1503-BLK1)										
Prepared & Analyzed: 09/15/06										
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: Dibromofluoromethane	49.8		ug/L	50.0		99.6	80-120			
Surrogate: Toluene-d8	56.1		ug/L	50.0		112	80-120			
LCS (B6I1503-BS1)										
Prepared & Analyzed: 09/15/06										
Benzene	19.8	0.50	ug/L	20.0		99.0	75-125			
1,2-Dichloroethane (EDC)	19.7	0.50	ug/L	20.0		98.5	75-125			
Ethylbenzene	20.0	0.50	ug/L	20.0		100	75-125			
Gasoline Range Organics (GRO)	470	100	ug/L	500		94.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	20.8	2.0	ug/L	20.0		104	75-125			
Toluene	20.0	0.50	ug/L	20.0		100	75-125			
o-Xylene	19.8	0.50	ug/L	20.0		99.0	75-125			
Surrogate: Dibromofluoromethane	48.7		ug/L	50.0		97.4	80-120			
Surrogate: Toluene-d8	54.7		ug/L	50.0		109	80-120			
Matrix Spike (B6I1503-MS1)										
Source: 6I06018-01 Prepared & Analyzed: 09/15/06										
Benzene	19.7	0.50	ug/L	20.0	<0.50	98.5	70-130			
Ethylbenzene	20.1	0.50	ug/L	20.0	<0.50	100	70-130			
Methyl-tert-Butyl Ether (MTBE)	17.2	2.0	ug/L	20.0	<2.0	86.0	70-130			
Toluene	20.0	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: A57216
Date Received: 09/13/06
Date Reported: 09/26/06

Analyte	Reporting Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
TPHG/BTEX/OXY/EDBEDC by GC/MS - Quality Control										
Batch B6I1503 - EPA 5030B										
Matrix Spike (B6I1503-MS1) Continued Source: 6I06018-01 Prepared & Analyzed: 09/15/06										
Surrogate: Dibromofluoromethane 49.6 ug/L 50.0 99.2 80-120										
Surrogate: Toluene-d8 54.4 ug/L 50.0 109 80-120										
Matrix Spike Dup (B6I1503-MSD1) Source: 6I06018-01 Prepared & Analyzed: 09/15/06										
Benzene	19.9	0.50	ug/L	20.0	<0.50	99.5	70-130	1.01	30	
Ethylbenzene	20.1	0.50	ug/L	20.0	<0.50	100	70-130	0.00	30	
Methyl-tert-Butyl Ether (MTBE)	16.8	2.0	ug/L	20.0	<2.0	84.0	70-130	2.35	30	
Toluene	19.8	0.50	ug/L	20.0	<0.50	99.0	70-130	1.01	30	
Surrogate: Dibromofluoromethane	51.3		ug/L	50.0		103	80-120			
Surrogate: Toluene-d8	53.4		ug/L	50.0		107	80-120			
Batch B6I1806 - EPA 5030B										
Blank (B6I1806-BLK1) Prepared & Analyzed: 09/19/06										
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: Dibromofluoromethane	49.4		ug/L	50.0		98.8	80-120			
Surrogate: Toluene-d8	50.5		ug/L	50.0		101	80-120			
LCS (B6I1806-BS1) Prepared & Analyzed: 09/19/06										
Benzene	21.4	0.50	ug/L	20.0		107	75-125			
1,2-Dichloroethane (EDC)	21.2	0.50	ug/L	20.0		106	75-125			
Ethylbenzene	20.7	0.50	ug/L	20.0		104	75-125			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06

Analyte	Reporting Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
TPHG/BTEX/OXY/EDBEDC by GC/MS - Quality Control										
Batch B6I1806 - EPA 5030B										
LCS (B6I1806-BS1) Continued										
Prepared & Analyzed: 09/19/06										
Gasoline Range Organics (GRO)	450	100	ug/L	500		90.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	23.7	2.0	ug/L	20.0		118	75-125			
Toluene	19.9	0.50	ug/L	20.0		99.5	75-125			
o-Xylene	20.3	0.50	ug/L	20.0		102	75-125			
Surrogate: Dibromofluoromethane	49.4		ug/L	50.0		98.8	80-120			
Surrogate: Toluene-d8	48.3		ug/L	50.0		96.6	80-120			
Matrix Spike (B6I1806-MS1)										
Source: 6I13003-22 Prepared & Analyzed: 09/19/06										
Benzene	22.0	0.50	ug/L	20.0	<0.50	110	70-130			
Ethylbenzene	20.1	0.50	ug/L	20.0	<0.50	100	70-130			
Methyl-tert-Butyl Ether (MTBE)	23.2	2.0	ug/L	20.0	<2.0	116	70-130			
Toluene	19.4	0.50	ug/L	20.0	<0.50	97.0	70-130			
Surrogate: Dibromofluoromethane	50.4		ug/L	50.0		101	80-120			
Surrogate: Toluene-d8	48.0		ug/L	50.0		96.0	80-120			
Matrix Spike Dup (B6I1806-MSD1)										
Source: 6I13003-22 Prepared & Analyzed: 09/19/06										
Benzene	21.6	0.50	ug/L	20.0	<0.50	108	70-130	1.83	30	
Ethylbenzene	20.2	0.50	ug/L	20.0	<0.50	101	70-130	0.496	30	
Methyl-tert-Butyl Ether (MTBE)	24.0	2.0	ug/L	20.0	<2.0	120	70-130	3.39	30	
Toluene	19.3	0.50	ug/L	20.0	<0.50	96.5	70-130	0.517	30	
Surrogate: Dibromofluoromethane	50.5		ug/L	50.0		101	80-120			
Surrogate: Toluene-d8	48.2		ug/L	50.0		96.4	80-120			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57216
Date Received: 09/13/06
Date Reported: 09/26/06

Special Notes

Viorel Vasile
Operations Manager

A57216 / 6513003

Franklin J. Goldman
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 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.
100194Date: **9/8/06** sheet **1 of 3**

Project Name				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)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers Gro & BTEX	Bulk density, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE	American Analytics, Inc. 9765 Eton Ave Chatsworth, CA Phone: (818) 998-5547	
Project Number																			
Address 2301 Santa Clara Alameda																			
Sampler's Name: Frank Goldman																			
Sampler's Signature: <i>Franklin Goldman</i>																			
Sample Number	Location	Date	Time													Phone	Turnaround Time		
EW-16		9/5/06	10:50 AM	6513003-01	-02	-03	-04	-05	-06	-07	-08	-09	-10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MW-3			12:10 PM													Rush	24 Hour	48 Hour	5-Day
MW-4			1:05 PM													Repeat to:	Frank		
MW-5			1:55 PM													Comments			
MW-6			3:10																
MW-1			4:00																
MW-2			4:50																
EW-13		▼	6:20 PM																
EW-15		9/6/06	8:25 AM																
EW-14		9/6/06	10:10 AM																
Relinquished By	Date	Time		Received By	Date	Time										Total Number of Containers this Sheet:			
<i>Frank Goldman</i>	9/11/06	11:40 AM		<i>Fed X - Cen</i>	9/11/06	11:40													
Dispatched By	Date	Time		Received in Lab By	Date	Time										Method of Shipment			
																Special Shipment/Handling or Storage Requirements			
																Date	REVIEWED	12/15/06	
																J Days	Sign:	Keep on Ice	

AS2716 / 6513003

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.

 Laboratory Please Call Accounts Payable for PO No.
 #100195

Date: 9/8/06 Sheet 2 Of 3

Project Name		Parameters										Laboratory Delivery Location			
CHUN		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 8260b for 5 oxygenates & 2 lead scavengers	SOIL SAMPLE	WATER SAMPLE	American Analytics, Inc. 9765 Eton Ave Chatsworth, CA Phone: (818) 998-5547
Project Number														Phone Turnaround Time	
Address		2301 Santa Clara Alameda										<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sampler's Name:		Frank Goldman										Rush	24 Hour	48 Hour	5-Day
Sampler's Signature		<i>Franklin Goldman</i>										Repeat to: Frank			
Sample Number	Location	Date	Time											Comments	
EW-17		9/6/06	11 ⁴⁰ AM	6513003	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	3VOAS Prep for GeoTracer
BH			12 ⁵⁵ PM												
MW-8			2 ⁰⁰ PM												
BF			2 ⁴⁰ PM												
MW-11			3 ³⁵ PM												
BM		✓	4 ⁵⁰ PM												
BL		9/7/06	8 ⁴⁵ AM												
BJ		11	9 ²⁵ AM												
BK			10 ⁰⁰ AM												
BG		✓	11 ¹⁵ AM												
Relinquished By				Date	Time	Received By	Date	Time	Total Number of Containers this Sheet:						
<i>Franklin Goldman</i>				9/11/06	11 ⁴⁰ AM	FedEx	9/11/06	11 ⁴⁰ AM	12				Method of Shipment:		
						2 CCR	9/13/06	11:36					Special Shipment Handling or Storage Requirements:		
Dispatched By				Date	Time	Received in Lab By	Date	Time					Reviewed by <i>[Signature]</i>		
													Date <i>9/12/06</i> nays sign: <i>Keep on Ice</i>		
													TAT 1 day		

AS2716 / 6513003

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.
 #100196

Date: 09/8/06 sheet 3 of 3

Project Name <u>LCHVN</u>				Parameters								Laboratory Delivery Location							
Project Number				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)	Pt. Pollutant Metals (13)	Base/Neutral/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers	GRO & BTEX	SOIL SAMPLE	WATER SAMPLE	American Analytics, Inc.	
Address <u>2301 Santa Clara</u> <u>Alameda</u>																9765 Eton Ave			
Sampler's Name: <u>Frank Goldman</u>																Chatsworth, CA			
Sampler's Signature: <u>Franklin J. Goldman</u>																Phone: (818) 998-5547			
Sample Number	Location	Date	Time	6513003-21	-22											Turnaround Time			
MW-9		9/7/06	12 ²⁵ pm													<input type="checkbox"/> Rush	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour	<input checked="" type="checkbox"/> 5-Day
MW-10		9/7/06	1:10 pm													Repeat to: <u>Frank</u>			
Comments																			
<u>3VOAS Prep for Geotack ev</u>																			
101931112113590.																			
Relinquished By	Date	Time	Received By	Date	Time	Total Number of Containers this Sheet:													
<u>Franklin J. Goldman</u>	9/11/06	11:40 AM	<u>Fed X</u>	9/11/06	11:40 AM	12													
Dispatched By	Date	Time	Received in Lab By	Date	Time	Method of Shipping:													
						Special Shipment/Handling or Storage Requirements:													
						Date <u>11/12/06</u> Sign <u>1215</u>													
						TAT N Days Sign <u>14</u>													
Keep on Ice																			