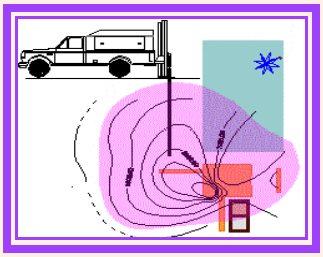
Franklin J. Goldman, CHG
Environmental and Hydrogeological Consulting
PO Box 59, Sonoma, CA 95476
Phone: (707) 694-1375
fjgoldmanchg@yahoo.com



RECEIVED
10:42 am, Oct 20, 2009
Alameda County
Environmental Health

October 15, 2009

Steven Plunkett
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

Telephone: (510) 383-1767
FAX: (510) 337-9335
steven.plunkett@acgov.org

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**

Mr. Plunkett:

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 concentrations of dissolved gasoline range organics (GROs) and benzene continues to exhibit a consistent overall decrease over many years.

Given that the plume has been demonstrated to be stable and that natural attenuation processes are occurring, site closure continues to be recommended. It also appears that water Quality Objects are likely to be attained within a reasonable period of time based upon the significant rate of decrease of dissolved hydrocarbons beneath the site and the down gradient Towata property.

Sincerely,

Franklin J. Goldman

REGISTERED GEOLOGIST FRANKLIN J. GOLDMAN CERTIFIED HYDROGEOLOGIST NO. 466 STATE OF CALIFORNIA

Franklin J. Goldman
Certified Hydrogeologist No. 466

GROUNDWATER FLOW DIRECTION

On September 25, 26, and 27 2009, 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 a foot from the top of the casing where the elevation was established by a certified land survey.

Groundwater was encountered at depths ranging from approximately between eight six (6) to eleven (11) feet bgs and the gradient flow and direction of was estimated to be to the east-southeast at 0.05 (See Figure 1 for Groundwater Gradient Flow and Direction Map) and (Table 1 for Depth to Water Level Measurements).

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 disposable check valve bailors. 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 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

Dissolved GROs and benzene in groundwater have demonstrated a general decrease in all wells since monitoring was initiated (See Appendix B for Laboratory Data Sheets) and (Table 2 for Historical Trends of GRO and Benzene concentrations). The dissolved plumes of GROs and benzene in groundwater still

appear to be centered in the general vicinity of the former USTs on site and extends underneath the flower shop downgradient (See Figures 2 and 3 for GRO and benzene concentration maps). The concentrations of dissolved GRO and benzene have decreased significantly since last year. No oxygenates or lead scavengers were identified except for 4.6 ppb 1, 2 DCA in MW-3.

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 center of the dissolved GRO and benzene plumes is located around the former UST location and beneath the Towata flower shop. The dissolved plume has been demonstrated to be decreasing over many years and will likely attain water quality objectives within a reasonable period of time.

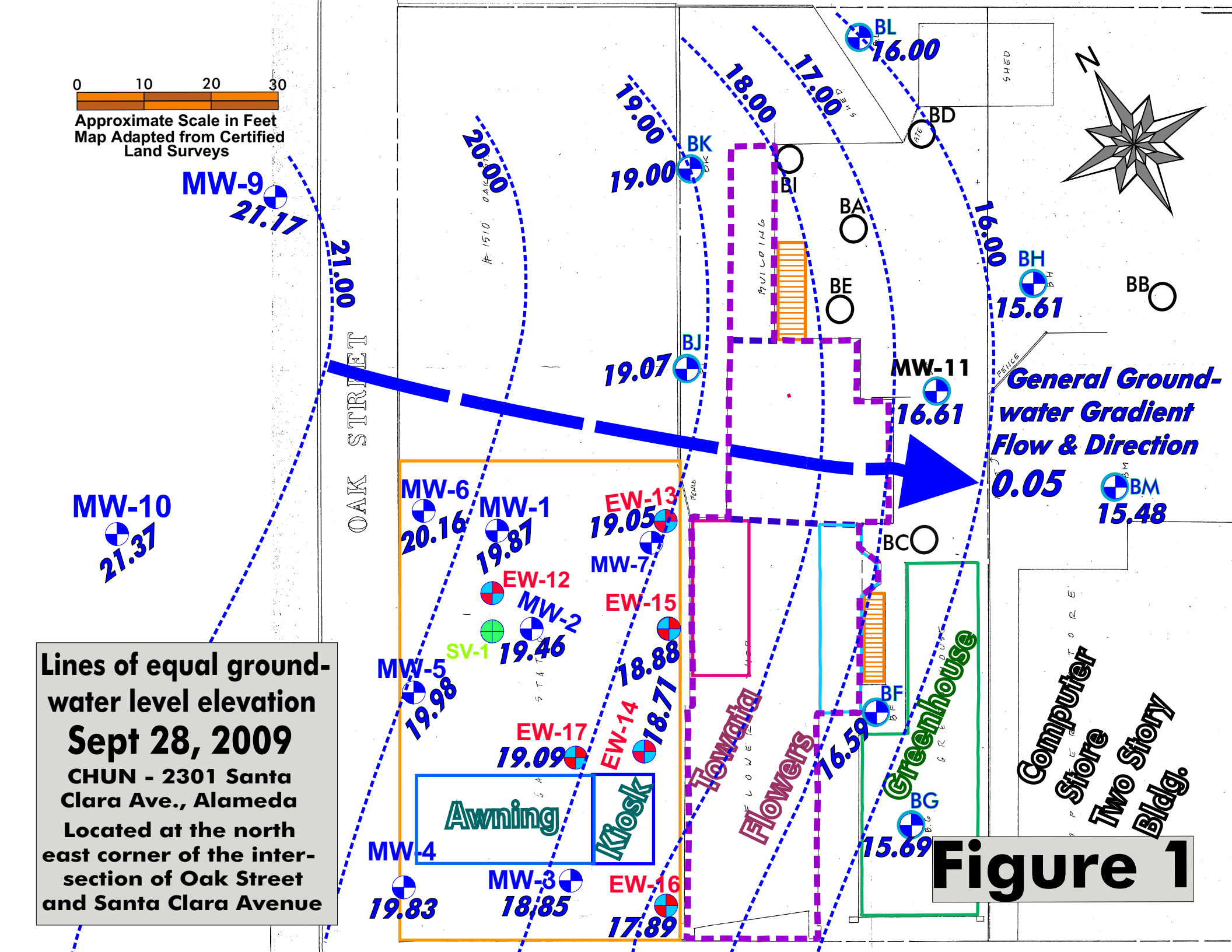
RECOMMENDATIONS

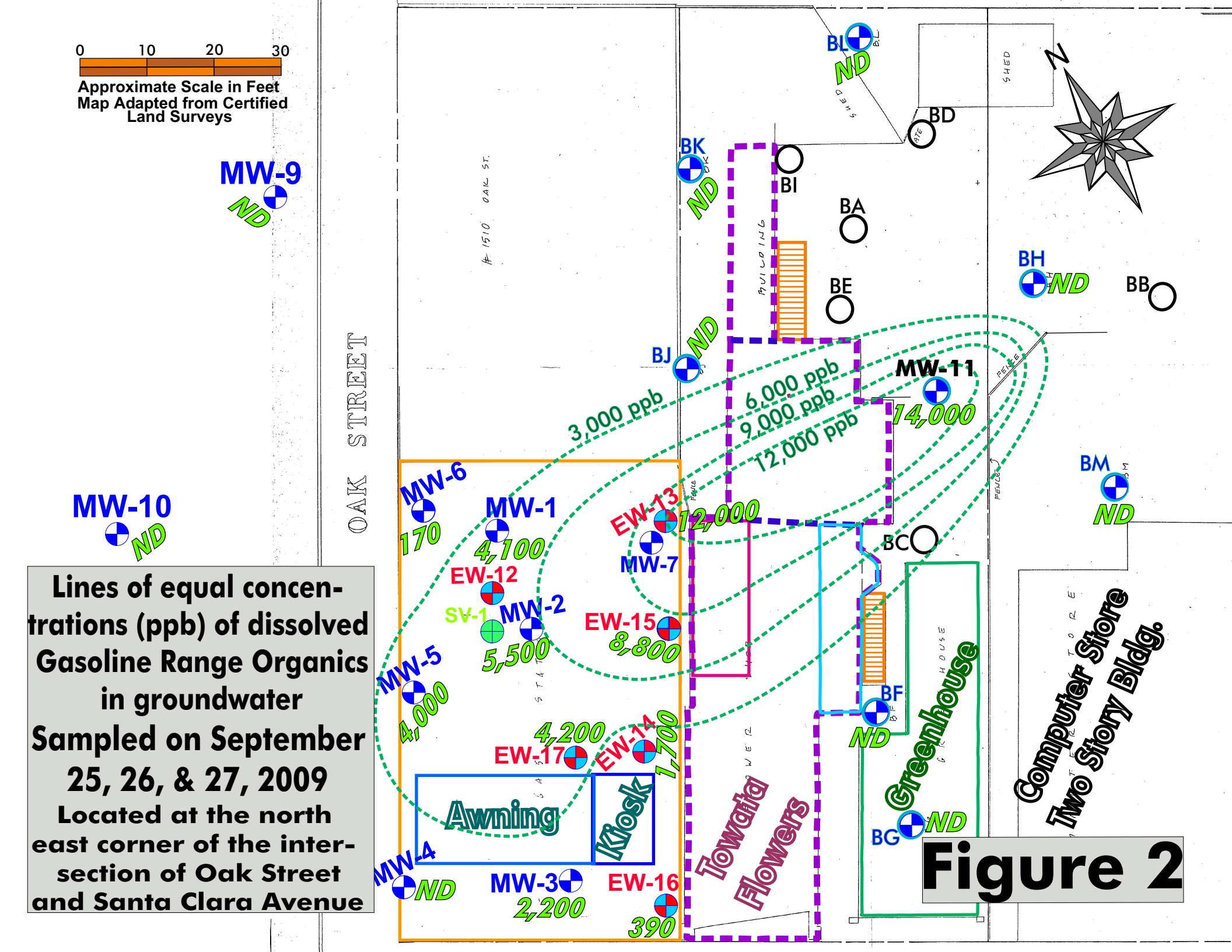
Close the site and properly abandon the wells.

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.


0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
21.17
MW-10
21.37
OAK STREET
21.00
20.00
19.00
19.00
18.00
17.00
16.00
BL
16.00
BK
BD
BI
BA
BE
BH
15.61
BB
BJ
19.07
MW-11
16.61
General Ground-water Gradient Flow & Direction
0.05
BM
15.48
BC
MW-6
20.16
MW-1
19.87
EW-13
19.05
MW-7
EW-12
MW-2
19.46
SV-1
EW-15
18.88
MW-5
19.98
EW-17
19.09
EW-14
18.71
Awning
Kiosk
Towaria Flowers
BF
16.59
Greenhouse
BG
15.69
Computer Store
Two Story Bldg.
MW-4
19.83
MW-3
18.85
EW-16
17.89
N
Lines of equal ground-water level elevation
Sept 28, 2009
CHUN - 2301 Santa Clara Ave., Alameda
Located at the north east corner of the inter-section of Oak Street and Santa Clara Avenue
Figure 1



Lines of equal concentrations (ppb) of dissolved Gasoline Range Organics in groundwater Sampled on September 25, 26, & 27, 2009

Located at the north east corner of the intersection of Oak Street and Santa Clara Avenue

Figure 2

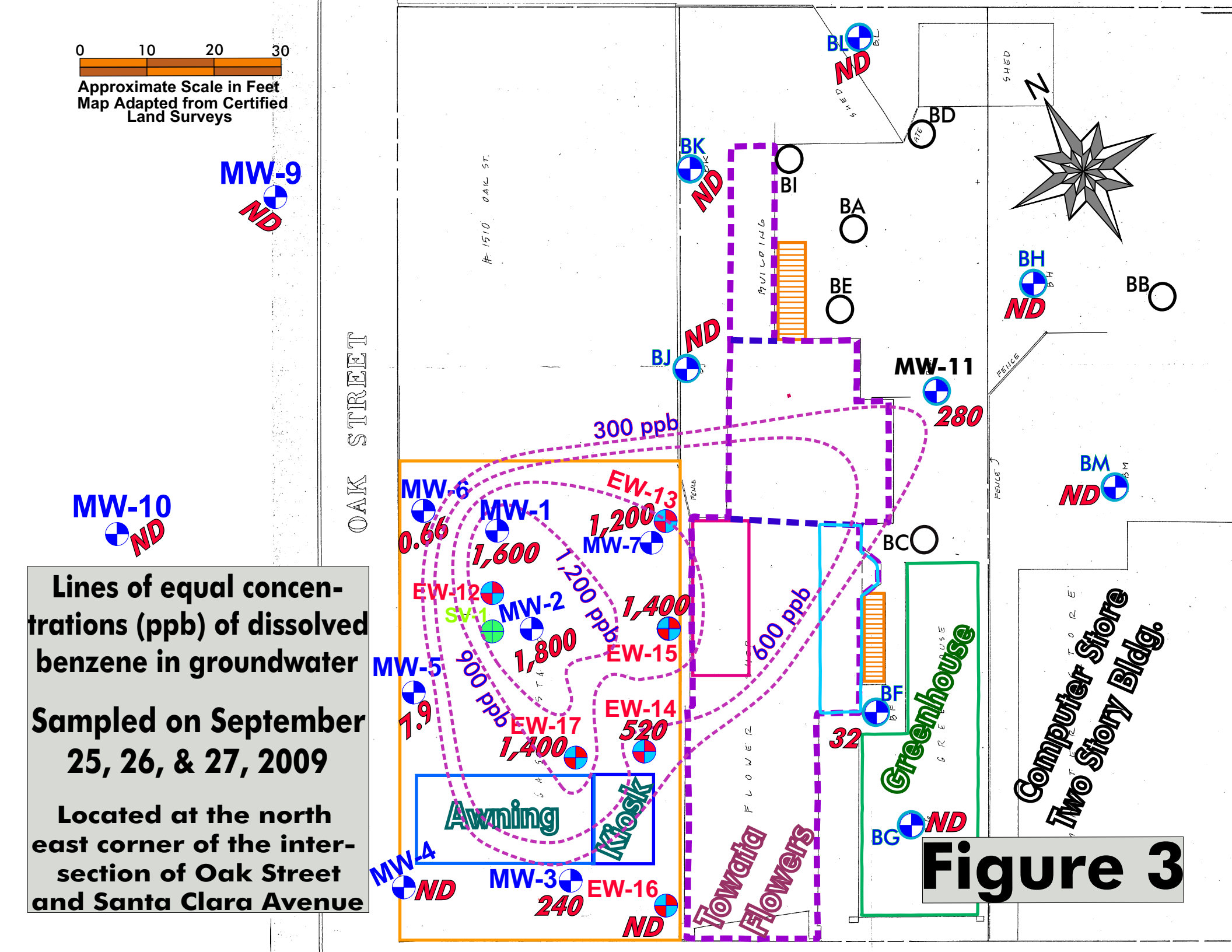

0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
ND
MW-10
ND
OAK STREET
Lines of equal concentrations (ppb) of dissolved benzene in groundwater
Sampled on September 25, 26, & 27, 2009
Located at the north east corner of the intersection of Oak Street and Santa Clara Avenue
BL ND
BK ND
BD
BI
BA
BE
BH ND
BB
BJ ND
MW-11 280
300 ppb
MW-6 0.66
MW-1 1,600
EW-13 1,200
MW-7
1,200 ppb
EW-12
SV-1
MW-2 1,800
1,400
EW-15
600 ppb
MW-5 1.9
900 ppb
EW-17 1,400
EW-14 520
BM ND
BC
BF 32
Greenhouse
Awning
Kiosk
MW-4 ND
MW-3 240
EW-16 ND
Towata Flowers
BG ND
Computer Store
Two Story Bldg.
Figure 3

TABLE 1
Depth to Groundwater Measurements
September 28, 2009
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	8.62	28.49	19.87
MW-2	9.01	28.47	19.46
MW-3	9.93	28.78	18.85
MW-4	8.70	28.53	19.83
MW-5	8.35	28.33	19.98
MW-6	8.20	28.36	20.16
MW-7		28.44	
MW-8	9.89	28.17	18.28
MW-9	6.28	27.45	21.17
MW-10	5.95	27.32	21.37
MW-11	8.56	25.17	16.61
EW-12		28.25	
EW-13	9.59	28.64	19.05
EW-14	10.50	29.21	18.71
EW-15	9.83	28.71	18.88
EW-16	11.13	29.02	17.89
EW-17	9.86	28.95	19.09
BL	9.37	25.37	16.00
BK	6.02	25.02	19.00
BJ	5.96	25.03	19.07
BH	9.57	25.18	15.61

BM	9.69	25.17	15.48
BF	9.07	25.66	16.59
BG	10.16	25.85	15.69

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

Well Identification	Date	GROs	Benzene
MW-1	(09-26-09)	4,100	1,600
	(09-06-08)	8,300	2,300
	(03-09-08)	45,000	9,400
	(09-23-07)	22,000	4,700
	(07-08-07)	57,000	11,000
	(03-24-07)	71,000	15,000
	(01-04-07)	46,000	6,500
	(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
	(09-17-00)	65,000	15,000
MW-2	(09-25-09)	5,500	1,800
	(09-06-08)	6,300	3,000
	(03-09-08)	37,000	10,700
	(09-23-07)	14,000	6,700
	(07-08-07)	56,000	5,400
	(03-24-07)	52,000	12,000

Well Identification	Date	GROs	Benzene
	(01-04-07)	17,000	4,300
	(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
	(09-17-00)	140,000	21,000
MW-3	(09-26-09)	2,200	240
	(09-06-08)	2,600	500
	(03-09-08)	7,300	1,300
	(09-22-07)	1,300	5,600
	(07-08-07)	5,600	1,500
	(03-24-07)	8,000	1,600
	(01-04-07)	5,500	1,400
	(09-05-06)	6,000	1,500
	(06-11-06)	7,000	2,000
	(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

Well Identification	Date	GROs	Benzene
	(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	(09-26-09)	<100	<0.50
	(09-05-08)	170	<0.50
	(03-08-08)	860	<0.50
	(09-23-07)	<100	<0.50
	(07-08-07)	<100	<0.50
	(03-24-07)	120	<0.50
	(01-04-07)	<100	<0.50
	(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	(09-25-09)	4,000	7.9
	(09-05-08)	740	<0.50
	(03-08-08)	16,000	50
	(09-24-07)	16,000	490

Well Identification	Date	GROs	Benzene
	(07-08-07)	23,000	72
	(03-24-07)	19,000	60
	(01-04-07)	20,000	110
	(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
	(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	(09-25-09)	170	0.66
	(09-05-08)	730	2.0
	(03-08-08)	1,500	3.4
	(09-23-07)	1,200	2.8
	(07-08-07)	720	2.8
	(03-24-07)	3,300	7.2
	(01-04-07)	390	2.0
	(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

Well Identification	Date	GROs	Benzene
	(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	(09-05-06)	62,000	17,000
	(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	(09-25-09)	<100	<0.5
	(09-05-08)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-21-07)	<100	<0.5
	(07-07-07)	<100	2.0
	(03-22-07)	500	6.0
	(01-06-07)	390	4.4
	(09-06-06)	<100	1.4
	(06-12-06)	<100	<0.5
	(03-13-06)	<100	<0.5

Well Identification	Date	GROs	Benzene
	(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	(09-25-09)	<100	<0.5
	(09-05-08)	<100	<0.5
	(09-05-08)	<100	<0.5
	(09-21-07)	<100	<0.5
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(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	(09-25-09)	<100	<0.5

Well Identification	Date	GROs	Benzene
MW-10	(09-05-08)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-21-07)	<100	<0.5
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(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
	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-03-02)	ND	ND
	(09-17-00)	ND	ND
MW-11	(09-25-09)	14,000	280
	(09-05-08)	11,000	770
	(03-08-08)	26,000	1,100
	(09-22-07)	31,000	2,000
	(07-07-07)	54,000	2,800
	(03-22-07)	57,000	3,000
	(01-05-07)	50,000	2,200
	(09-06-06)	36,000	5,900
	(06-12-06)	44,000	5,900
	(03-13-06)	47,000	5,600

Well Identification	Date	GROs	Benzene
	(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	(09-05-06)	62,000	17,000
	(06-11-06)	NA	NA
	(03-13-06)	NA	NA
	(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

Well Identification	Date	GROs	Benzene
EW-13	(09-25-09)	12,000	1,200
	(09-06-08)	73,000	7,900
	(03-09-08)	120,000	11,000
	(09-24-07)	84,000	5,400
	(07-09-07)	140,000	10,000
	(03-25-07)	170,000	16,000
	(01-05-07)	410,000	57,000
	(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
	(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	(09-27-09)	1,700	520
	(09-06-08)	12,000	4,000
	(03-09-08)	1,200	340
	(09-23-07)	41,000	9,900
	(07-09-07)	54,000	14,000
	(03-25-07)	25,000	5,400
	(01-04-07)	30,000	7,000

Well Identification	Date	GROs	Benzene
	(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
	(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	(09-26-09)	8,800	1,400
	(09-06-08)	19,000	7,100
	(03-09-08)	1,600	200
	(09-23-07)	59,000	14,000
	(07-09-07)	46,000	5,200
	(03-25-07)	23,000	2,100
	(01-05-07)	30,000	9,700
	(09-05-06)	51,000	8,200
	(06-11-06)	25,000	2,900
	(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	(09-26-09)	390	<0.50
	(09-05-08)	310	<0.50
	(03-08-08)	820	100

Well Identification	Date	GROs	Benzene
EW-16	(09-22-07)	2,200	4.2
	(07-09-07)	2,300	53
	(03-25-07)	1,800	420
	(01-04-07)	370	2.9
	(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	(09-27-09)	4,200	1,400
	(09-06-08)	7,500	3,200
	(03-09-08)	31,000	7,600
	(09-23-07)	26,000	5,300
	(07-09-07)	40,000	7,600
	(03-25-07)	44,000	7,900
	(01-04-07)	27,000	8,100
	(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	(09-25-09)	<100	<0.5

Well Identification	Date	GROs	Benzene
	(09-04-08)	<100	<0.5
	(03-07-08)	<100	<0.5
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(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	(09-25-09)	<100	1.1
	(09-04-08)	<100	1.1
	(03-07-08)	<100	<0.50
	(09-22-07)	<100	<0.50
	(07-07-07)	<100	<0.50
	(03-22-07)	130	<0.50
	(01-05-07)	140	12
	(09-06-06)	<100	<0.50
	(06-12-06)	<100	0.93
	(03-13-06)	<100	<0.50
	(11-26-05)	<100	0.76
	(08-20-05)	<100	<0.5
BF	(09-25-09)	<100	32
	(09-05-08)	690	280
	(03-08-08)	500	250
	(09-22-07)	7,300	2,600

Well Identification	Date	GROs	Benzene
BF	(07-07-07)	6,900	3,700
	(03-22-07)	5,600	1,400
	(01-05-07)	13,000	5,200
	(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	(09-25-09)	<100	<0.5
	(09-04-08)	<100	<0.5
	(09-22-07)	<100	8.6
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-05-07)	<100	<0.5
	(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	(09-25-09)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-22-07)	<100	<0.5
	(07-07-07)	<100	<0.5
	(03-22-07)	120	<0.5
	(01-05-07)	<100	<0.5
	(09-07-06)	<100	3.3

Well Identification	Date	GROs	Benzene
	(06-12-06)	110	7.6
	(03-13-06)	<100	<0.5
	(11-27-05)	130	2.1
	(08-22-05)	100	59
BK	(09-25-09)	<100	0.67
	(09-05-08)	<100	0.67
	(03-07-08)	<100	<0.5
	(09-22-07)	450	18
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(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	(09-25-09)	<100	<0.5
	(09-05-08)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-22-07)	150	4.0
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(09-07-06)	<100	<0.5
	(06-11-06)	<100	<0.5
	(03-13-06)	790	<0.5

Well Identification	Date	GROs	Benzene
	(11-27-05)	6,800	90
	(08-22-05)	1,500	14

Appendix A

Sampling Event Sheets

Sampling Event Logs - Chun - Sept 25, 26, & 27, 2009

MW-10	DTW 5.97'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		2.0	69.8	777	6.9	6:25 am	
		2.0	69.6	787	6.9	6:45	
		2.0	69.4	787	6.9	7:05 am	

MW-9	DTW 6.30'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	
		2.0	70.0	889	7.1	7:25 am	09-25-09
		2.0	70.0	884	7.1	7:40	
		2.0	70.0	879	7.1	7:55 am	

MW-8	DTW 9.90'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		2.0	71.1	866	7.0	8:25 am	
		2.0	71.2	869	7.0	8:45	
		2.0	71.2	869	7.0	9:00 am	

BH	DTW 9.88'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		3.0	69.7	761	6.9	9:45 am	
		2.5	69.4	762	6.9	10:00	
		2.0	69.0	762	6.9	10:20 am	

BM	DTW 9.66'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		3.0	68.1	671	6.9	11:05 am	
		2.5	67.9	668	6.9	11:25	
		2.0	67.5	660	6.9	11:45 am	

BL	DTW 9.40'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		3.0	70.1	888	6.9	10:10 pm	
		2.5	70.1	887	6.9	12:25	
		2.0	70.1	881	6.9	12:40 pm	

BG	DTW 12.73'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		2.0	69.7	977	7.0	1:30 pm	
		2.0	69.6	971	7.0	1:45	
		2.0	69.6	965	7.0	2:15 pm	

BJ	DTW 6.00'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		1.5	69.8	988	7.0	2:40 pm	
		1.0	69.8	979	7.0	3:00 pm	
		1.0	69.8	977	7.0	3:25 pm	

BK	DTW 6.00'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		1.5	70.0	786	7.0	4:10 pm	
		1.0	70.0	770	7.0	4:25	
		1.0	70.0	768	7.0	4:40 pm	

BF	DTW 9.90'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-25-09
		2.0	68.9	776	7.0	1:00 pm	
		1.5	68.5	766	7.0	5:15	
		1.5	68.0	766	7.0	5:50 pm	

MW-11	DTW 8.55'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		2.5	70.1	881	7.0	7:35 am	
		2.0	70.1	788	7.0	8:00	
		2.0	70.1	7821	7.0	8:20 am	

EW-16	DTW 11.13'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		4.5	71.0	903	7.0	9:10 am	
		4.0	71.0	897	7.0	9:25	
		3.0	70.9	889	7.0	9:40 am	

MW-3	DTW 9.90'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		2.0	70.1	802	7.0	10:10 am	
		2.0	70.0	790	7.0	10:35	
		2.0	70.0	865	7.0	10:50 am	

MW-4	DTW 8.70'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		2.0	69.9	934	7.0	11:25 am	
		2.0	69.8	931	7.0	11:45 am	
		2.0	69.8	931	7.0	12:10 pm	

MW-6	DTW 8.20'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		2.0	70.9	976	7.1	1:15 pm	
		2.0	71.0	968	7.1	1:30	
		2.0	71.0	968	7.1	1:45 pm	

MW-1	DTW 8.62'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		2.0	70.9	866	6.9	2:30 pm	
		2.0	71.0	858	7.0	2:45	
		2.0	71.1	858	7.0	3:10 pm	

MW-2	DTW 9.00'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		2.0	71.0	979	6.9	3:45 pm	
		2.0	71.0	989	7.0	4:05	
		1.5	71.0	990	7.0	4:20 pm	

EW-15	DTW 9.83'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-26-09
		4.5	70.1	788	6.9	5:25 pm	
		4.0	70.1	790	6.9	5:45	
		3.5	70.1	7911	6.9	6:05 pm	

EW-17	DTW 9.86'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-27-09
		4.5	69.7	852	7.0	9:45 am	
		4.0	69.6	843	7.0	10:00	
		3.5	69.6	843	7.0	10:15 am	

EW-14	DTW 10.51'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-27-09
		4.5	70.0	840	7.0	11:00 am	
		4.0	69.9	833	7.0	11:40	
		3.5	69.9	825	7.0	12:00 pm	

EW-13	DTW 9.60'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-27-09
		4.0	70.9	765	7.0	1:35 pm	
		4.0	70.9	760	7.0	1:10	
		4.0	70.9	745	7.0	1:30 pm	

MW-5	DTW 8.35'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	09-27-09
		2.0	70.9	855	7.0	2:00 pm	
		2.0	70.9	849	7.0	2:20 pm	
		2.0	71.0	849	7.0	2:40 pm	

Appendix B

Laboratory Data Sheets

AMERICAN ANALYTICS

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

October 13, 2009

Frank Goldman

Chun

265 Heron Drive

Pittsburg, CA 94565

Re : Chun

A57225 / 9I30009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/30/09 11:57 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: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
MW-10	9I30009-01	Water	10	09/25/09 07:10	09/30/09 11:57
MW-9	9I30009-02	Water	10	09/25/09 08:00	09/30/09 11:57
MW-8	9I30009-03	Water	10	09/25/09 09:05	09/30/09 11:57
BH	9I30009-04	Water	10	09/25/09 10:25	09/30/09 11:57
BM	9I30009-05	Water	10	09/25/09 11:50	09/30/09 11:57
BL	9I30009-06	Water	10	09/25/09 12:50	09/30/09 11:57
BG	9I30009-07	Water	10	09/25/09 14:20	09/30/09 11:57
BJ	9I30009-08	Water	10	09/25/09 15:30	09/30/09 11:57
BK	9I30009-09	Water	10	09/25/09 14:45	09/30/09 11:57
BF	9I30009-10	Water	10	09/25/09 17:55	09/30/09 11:57
MW-11	9I30009-11	Water	10	09/26/09 08:25	09/30/09 11:57
EW-16	9I30009-12	Water	10	09/26/09 09:45	09/30/09 11:57
MW-3	9I30009-13	Water	10	09/26/09 10:55	09/30/09 11:57
MW-4	9I30009-14	Water	10	09/26/09 12:15	09/30/09 11:57
MW-6	9I30009-15	Water	10	09/26/09 13:50	09/30/09 11:57
MW-1	9I30009-16	Water	10	09/26/09 15:15	09/30/09 11:57
MW-2	9I30009-17	Water	10	09/26/09 16:25	09/30/09 11:57
EW-15	9I30009-18	Water	10	09/26/09 18:10	09/30/09 11:57
EW-17	9I30009-19	Water	10	09/27/09 10:20	09/30/09 11:57

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
EW-14	9I30009-20	Water	10	09/27/09 12:05	09/30/09 11:57
EW-13	9I30009-21	Water	10	09/27/09 13:35	09/30/09 11:57
MW-5	9I30009-22	Water	10	09/27/09 14:45	09/30/09 11:57

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/25/09	09/25/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/06/09	10/06/09	
AA ID No:	9I30009-01	9I30009-02	9I30009-03	9I30009-04	
Client ID No:	MW-10	MW-9	MW-8	BH	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/25/09	09/25/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/06/09	10/06/09	
AA ID No:	9I30009-01	9I30009-02	9I30009-03	9I30009-04	
Client ID No:	MW-10	MW-9	MW-8	BH	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<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	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/25/09	09/25/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/06/09	10/06/09	
AA ID No:	9I30009-01	9I30009-02	9I30009-03	9I30009-04	
Client ID No:	MW-10	MW-9	MW-8	BH	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	108%	106%	107%	107%	70-140
Dibromofluoromethane	120%	116%	114%	117%	70-140
Toluene-d8	102%	97.1%	95.6%	97.0%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/25/09	09/25/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/06/09	10/06/09	
AA ID No:	9I30009-05	9I30009-06	9I30009-07	9I30009-08	
Client ID No:	BM	BL	BG	BJ	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/25/09	09/25/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/06/09	10/06/09	
AA ID No:	9I30009-05	9I30009-06	9I30009-07	9I30009-08	
Client ID No:	BM	BL	BG	BJ	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	**2.2**	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<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	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	**6.2**	<2.0	2.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/25/09	09/25/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/06/09	10/06/09	
AA ID No:	9I30009-05	9I30009-06	9I30009-07	9I30009-08	
Client ID No:	BM	BL	BG	BJ	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	108%	107%	107%	106%	70-140
Dibromofluoromethane	112%	112%	115%	113%	70-140
Toluene-d8	97.4%	96.2%	96.9%	96.2%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/26/09	09/26/09	
Date Prepared:	10/06/09	10/08/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/08/09	10/06/09	10/06/09	
AA ID No:	9I30009-09	9I30009-10	9I30009-11	9I30009-12	
Client ID No:	BK	BF	MW-11	EW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	20	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<200	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<40	<2.0	2.0
Benzene	<0.50	**32**	**280**	<0.50	0.50
Bromobenzene	<0.50	<0.50	<10	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<10	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<10	<0.50	0.50
Bromoform	<0.50	<0.50	<10	<0.50	0.50
Bromomethane	<0.50	<0.50	<10	<0.50	0.50
2-Butanone (MEK)	<10	<10	<200	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<200	<10	10
sec-Butylbenzene	<0.50	<0.50	<10	**1.3**	0.50
tert-Butylbenzene	<0.50	<0.50	<10	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	**12**	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<10	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<10	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<10	<0.50	0.50
Chloroethane	<0.50	<0.50	<10	<0.50	0.50
Chloroform	<0.50	<0.50	<10	<0.50	0.50
Chloromethane	<0.50	<0.50	<10	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<10	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<10	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<20	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<10	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<10	<0.50	0.50
Dibromomethane	<0.50	<0.50	<10	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<10	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<10	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/26/09	09/26/09	
Date Prepared:	10/06/09	10/08/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/08/09	10/06/09	10/06/09	
AA ID No:	9I30009-09	9I30009-10	9I30009-11	9I30009-12	
Client ID No:	BK	BF	MW-11	EW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	20	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<10	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<10	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<10	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<10	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<10	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<10	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<10	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<10	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<10	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<10	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<10	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<10	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<10	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<40	<2.0	2.0
Ethylbenzene	<0.50	<0.50	**560**	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<40	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	**14000**	**390**	100
Hexachlorobutadiene	<1.0	<1.0	<20	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<200	<10	10
Isopropylbenzene	<0.50	<0.50	**30**	**12**	0.50
4-Isopropyltoluene	<1.0	<1.0	<20	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<40	<2.0	2.0
Methylene Chloride	<5.0	<5.0	<100	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<200	<10	10
Naphthalene	<2.0	<2.0	**150**	**7.4**	2.0
n-Propylbenzene	<0.50	<0.50	**46**	**7.9**	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/25/09	09/25/09	09/26/09	09/26/09	
Date Prepared:	10/06/09	10/08/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/08/09	10/06/09	10/06/09	
AA ID No:	9I30009-09	9I30009-10	9I30009-11	9I30009-12	
Client ID No:	BK	BF	MW-11	EW-16	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	20	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<10	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<10	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<10	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<10	<0.50	0.50
Toluene	<0.50	<0.50	**2900**	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<10	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<10	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<10	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<10	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<10	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<10	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<10	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<10	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	**170**	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	**690**	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<10	<0.50	0.50
o-Xylene	<0.50	<0.50	**1300**	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	**3500**	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	108%	110%	109%	107%	70-140
Dibromofluoromethane	114%	109%	104%	106%	70-140
Toluene-d8	96.9%	107%	101%	105%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/26/09	09/26/09	09/26/09	09/26/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/07/09	10/07/09	
AA ID No:	9I30009-13	9I30009-14	9I30009-15	9I30009-16	
Client ID No:	MW-3	MW-4	MW-6	MW-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	5	1	1	20	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<50	<10	<10	<200	10
tert-Amyl Methyl Ether (TAME)	<10	<2.0	<2.0	<40	2.0
Benzene	**240**	<0.50	**0.66**	**1600**	0.50
Bromobenzene	<2.5	<0.50	<0.50	<10	0.50
Bromochloromethane	<2.5	<0.50	<0.50	<10	0.50
Bromodichloromethane	<2.5	<0.50	<0.50	<10	0.50
Bromoform	<2.5	<0.50	<0.50	<10	0.50
Bromomethane	<2.5	<0.50	<0.50	<10	0.50
2-Butanone (MEK)	<50	<10	<10	<200	10
tert-Butyl alcohol (TBA)	<50	<10	<10	<200	10
sec-Butylbenzene	**6.0**	<0.50	<0.50	<10	0.50
tert-Butylbenzene	<2.5	<0.50	<0.50	<10	0.50
n-Butylbenzene	**3.8**	**0.51**	**0.64**	<10	0.50
Carbon Disulfide	<2.5	<0.50	<0.50	<10	0.50
Carbon Tetrachloride	<2.5	<0.50	<0.50	<10	0.50
Chlorobenzene	<2.5	<0.50	<0.50	<10	0.50
Chloroethane	<2.5	<0.50	<0.50	<10	0.50
Chloroform	<2.5	<0.50	<0.50	<10	0.50
Chloromethane	<2.5	<0.50	<0.50	<10	0.50
2-Chlorotoluene	<2.5	<0.50	<0.50	<10	0.50
4-Chlorotoluene	<2.5	<0.50	<0.50	<10	0.50
1,2-Dibromo-3-chloropropane	<5.0	<1.0	<1.0	<20	1.0
Dibromochloromethane	<2.5	<0.50	<0.50	<10	0.50
1,2-Dibromoethane (EDB)	<2.5	<0.50	<0.50	<10	0.50
Dibromomethane	<2.5	<0.50	<0.50	<10	0.50
1,3-Dichlorobenzene	<2.5	<0.50	<0.50	<10	0.50
1,2-Dichlorobenzene	<2.5	<0.50	<0.50	<10	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/26/09	09/26/09	09/26/09	09/26/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/07/09	10/07/09	
AA ID No:	9I30009-13	9I30009-14	9I30009-15	9I30009-16	
Client ID No:	MW-3	MW-4	MW-6	MW-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	5	1	1	20	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<2.5	<0.50	<0.50	<10	0.50
Dichlorodifluoromethane (R12)	<2.5	<0.50	<0.50	<10	0.50
1,1-Dichloroethane	<2.5	<0.50	<0.50	<10	0.50
1,2-Dichloroethane (EDC)	**4.6**	<0.50	<0.50	<10	0.50
1,1-Dichloroethylene	<2.5	<0.50	<0.50	<10	0.50
trans-1,2-Dichloroethylene	<2.5	<0.50	<0.50	<10	0.50
cis-1,2-Dichloroethylene	<2.5	<0.50	<0.50	<10	0.50
1,2-Dichloropropane	<2.5	<0.50	<0.50	<10	0.50
2,2-Dichloropropane	<2.5	<0.50	<0.50	<10	0.50
1,3-Dichloropropane	<2.5	<0.50	<0.50	<10	0.50
cis-1,3-Dichloropropylene	<2.5	<0.50	<0.50	<10	0.50
trans-1,3-Dichloropropylene	<2.5	<0.50	<0.50	<10	0.50
1,1-Dichloropropylene	<2.5	<0.50	<0.50	<10	0.50
Diisopropyl ether (DIPE)	<10	<2.0	<2.0	<40	2.0
Ethylbenzene	**14**	<0.50	<0.50	**150**	0.50
Ethyl-tert-Butyl Ether (ETBE)	<10	<2.0	<2.0	<40	2.0
Gasoline Range Organics (GRO)	**2200**	<100	**170**	**4100**	100
Hexachlorobutadiene	<5.0	<1.0	<1.0	<20	1.0
2-Hexanone (MBK)	<50	<10	<10	<200	10
Isopropylbenzene	**57**	**2.0**	<0.50	**22**	0.50
4-Isopropyltoluene	<5.0	<1.0	<1.0	<20	1.0
Methyl-tert-Butyl Ether (MTBE)	<10	<2.0	<2.0	<40	2.0
Methylene Chloride	<25	<5.0	<5.0	<100	5.0
4-Methyl-2-pentanone (MIBK)	<50	<10	<10	<200	10
Naphthalene	**69**	**3.7**	**6.4**	**75**	2.0
n-Propylbenzene	**53**	**1.1**	<0.50	**44**	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/26/09	09/26/09	09/26/09	09/26/09	
Date Prepared:	10/06/09	10/06/09	10/06/09	10/06/09	
Date Analyzed:	10/06/09	10/06/09	10/07/09	10/07/09	
AA ID No:	9I30009-13	9I30009-14	9I30009-15	9I30009-16	
Client ID No:	MW-3	MW-4	MW-6	MW-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	5	1	1	20	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<2.5	<0.50	<0.50	<10	0.50
1,1,1,2-Tetrachloroethane	<2.5	<0.50	<0.50	<10	0.50
1,1,2,2-Tetrachloroethane	<2.5	<0.50	<0.50	<10	0.50
Tetrachloroethylene (PCE)	<2.5	<0.50	<0.50	<10	0.50
Toluene	**12**	<0.50	<0.50	**310**	0.50
1,2,3-Trichlorobenzene	<2.5	<0.50	<0.50	<10	0.50
1,2,4-Trichlorobenzene	<2.5	<0.50	<0.50	<10	0.50
1,1,1-Trichloroethane	<2.5	<0.50	<0.50	<10	0.50
1,1,2-Trichloroethane	<2.5	<0.50	<0.50	<10	0.50
Trichloroethylene (TCE)	<2.5	<0.50	<0.50	<10	0.50
Trichlorofluoromethane (R11)	<2.5	<0.50	<0.50	<10	0.50
1,2,3-Trichloropropane	<2.5	<0.50	<0.50	<10	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<2.5	<0.50	<0.50	<10	0.50
1,3,5-Trimethylbenzene	**3.0**	<0.50	<0.50	**32**	0.50
1,2,4-Trimethylbenzene	**11**	**2.6**	**0.82**	**120**	0.50
Vinyl chloride	<2.5	<0.50	<0.50	<10	0.50
o-Xylene	**14**	<0.50	<0.50	**110**	0.50
m,p-Xylenes	**90**	<1.0	**1.8**	**500**	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	107%	108%	107%	107%	70-140
Dibromofluoromethane	106%	104%	107%	105%	70-140
Toluene-d8	107%	108%	107%	109%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/26/09	09/26/09	09/27/09	09/27/09	
Date Prepared:	10/06/09	10/08/09	10/08/09	10/08/09	
Date Analyzed:	10/07/09	10/08/09	10/08/09	10/09/09	
AA ID No:	9I30009-17	9I30009-18	9I30009-19	9I30009-20	
Client ID No:	MW-2	EW-15	EW-17	EW-14	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	20	10	10	5	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<200	<100	<100	<50	10
tert-Amyl Methyl Ether (TAME)	<40	<20	<20	<10	2.0
Benzene	**1800**	**1400**	**1400**	**520**	0.50
Bromobenzene	<10	<5.0	<5.0	<2.5	0.50
Bromochloromethane	<10	<5.0	<5.0	<2.5	0.50
Bromodichloromethane	<10	<5.0	<5.0	<2.5	0.50
Bromoform	<10	<5.0	<5.0	<2.5	0.50
Bromomethane	<10	<5.0	<5.0	<2.5	0.50
2-Butanone (MEK)	<200	<100	<100	<50	10
tert-Butyl alcohol (TBA)	<200	<100	<100	<50	10
sec-Butylbenzene	<10	<5.0	<5.0	<2.5	0.50
tert-Butylbenzene	<10	<5.0	<5.0	<2.5	0.50
n-Butylbenzene	**12**	**6.6**	<5.0	<2.5	0.50
Carbon Disulfide	<10	<5.0	<5.0	<2.5	0.50
Carbon Tetrachloride	<10	<5.0	<5.0	<2.5	0.50
Chlorobenzene	<10	<5.0	<5.0	<2.5	0.50
Chloroethane	<10	<5.0	<5.0	<2.5	0.50
Chloroform	<10	<5.0	<5.0	<2.5	0.50
Chloromethane	<10	<5.0	<5.0	<2.5	0.50
2-Chlorotoluene	<10	<5.0	<5.0	<2.5	0.50
4-Chlorotoluene	<10	<5.0	<5.0	<2.5	0.50
1,2-Dibromo-3-chloropropane	<20	<10	<10	<5.0	1.0
Dibromochloromethane	<10	<5.0	<5.0	<2.5	0.50
1,2-Dibromoethane (EDB)	<10	<5.0	<5.0	<2.5	0.50
Dibromomethane	<10	<5.0	<5.0	<2.5	0.50
1,3-Dichlorobenzene	<10	<5.0	<5.0	<2.5	0.50
1,2-Dichlorobenzene	<10	<5.0	<5.0	<2.5	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/26/09	09/26/09	09/27/09	09/27/09	
Date Prepared:	10/06/09	10/08/09	10/08/09	10/08/09	
Date Analyzed:	10/07/09	10/08/09	10/08/09	10/09/09	
AA ID No:	9I30009-17	9I30009-18	9I30009-19	9I30009-20	
Client ID No:	MW-2	EW-15	EW-17	EW-14	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	20	10	10	5	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<10	<5.0	<5.0	<2.5	0.50
Dichlorodifluoromethane (R12)	<10	<5.0	<5.0	<2.5	0.50
1,1-Dichloroethane	<10	<5.0	<5.0	<2.5	0.50
1,2-Dichloroethane (EDC)	<10	<5.0	<5.0	<2.5	0.50
1,1-Dichloroethylene	<10	<5.0	<5.0	<2.5	0.50
trans-1,2-Dichloroethylene	<10	<5.0	<5.0	<2.5	0.50
cis-1,2-Dichloroethylene	<10	<5.0	<5.0	<2.5	0.50
1,2-Dichloropropane	<10	<5.0	<5.0	<2.5	0.50
2,2-Dichloropropane	<10	<5.0	<5.0	<2.5	0.50
1,3-Dichloropropane	<10	<5.0	<5.0	<2.5	0.50
cis-1,3-Dichloropropylene	<10	<5.0	<5.0	<2.5	0.50
trans-1,3-Dichloropropylene	<10	<5.0	<5.0	<2.5	0.50
1,1-Dichloropropylene	<10	<5.0	<5.0	<2.5	0.50
Diisopropyl ether (DIPE)	<40	<20	<20	<10	2.0
Ethylbenzene	**140**	**280**	**110**	**41**	0.50
Ethyl-tert-Butyl Ether (ETBE)	<40	<20	<20	<10	2.0
Gasoline Range Organics (GRO)	**5500**	**8800**	**4200**	**1700**	100
Hexachlorobutadiene	<20	<10	<10	<5.0	1.0
2-Hexanone (MBK)	<200	<100	<100	<50	10
Isopropylbenzene	**27**	**20**	**13**	<2.5	0.50
4-Isopropyltoluene	<20	<10	<10	<5.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<40	<20	<20	<10	2.0
Methylene Chloride	<100	<50	<50	<25	5.0
4-Methyl-2-pentanone (MIBK)	<200	<100	<100	<50	10
Naphthalene	**90**	**96**	**64**	**19**	2.0
n-Propylbenzene	**49**	**21**	**11**	<2.5	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/26/09	09/26/09	09/27/09	09/27/09	
Date Prepared:	10/06/09	10/08/09	10/08/09	10/08/09	
Date Analyzed:	10/07/09	10/08/09	10/08/09	10/09/09	
AA ID No:	9I30009-17	9I30009-18	9I30009-19	9I30009-20	
Client ID No:	MW-2	EW-15	EW-17	EW-14	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	20	10	10	5	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<10	<5.0	<5.0	<2.5	0.50
1,1,1,2-Tetrachloroethane	<10	<5.0	<5.0	<2.5	0.50
1,1,2,2-Tetrachloroethane	<10	<5.0	<5.0	<2.5	0.50
Tetrachloroethylene (PCE)	<10	<5.0	<5.0	<2.5	0.50
Toluene	**610**	**530**	**580**	**49**	0.50
1,2,3-Trichlorobenzene	<10	<5.0	<5.0	<2.5	0.50
1,2,4-Trichlorobenzene	<10	<5.0	<5.0	<2.5	0.50
1,1,1-Trichloroethane	<10	<5.0	<5.0	<2.5	0.50
1,1,2-Trichloroethane	<10	<5.0	<5.0	<2.5	0.50
Trichloroethylene (TCE)	<10	<5.0	<5.0	<2.5	0.50
Trichlorofluoromethane (R11)	<10	<5.0	<5.0	<2.5	0.50
1,2,3-Trichloropropane	<10	<5.0	<5.0	<2.5	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<10	<5.0	<5.0	<2.5	0.50
1,3,5-Trimethylbenzene	**52**	**140**	**26**	**15**	0.50
1,2,4-Trimethylbenzene	**180**	**480**	**130**	**64**	0.50
Vinyl chloride	<10	<5.0	<5.0	<2.5	0.50
o-Xylene	**120**	**550**	**180**	**33**	0.50
m,p-Xylenes	**560**	**2100**	**550**	**340**	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	107%	110%	109%	108%	70-140
Dibromofluoromethane	104%	106%	107%	107%	70-140
Toluene-d8	110%	109%	106%	107%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/27/09	09/27/09	
Date Prepared:	10/08/09	10/08/09	
Date Analyzed:	10/08/09	10/08/09	
AA ID No:	9I30009-21	9I30009-22	
Client ID No:	EW-13	MW-5	
Matrix:	Water	Water	
Dilution Factor:	20	1	MRL
8260B+OXY+TPHG (EPA 8260B)			
Acetone	<200	<10	10
tert-Amyl Methyl Ether (TAME)	<40	<2.0	2.0
Benzene	**1200**	**7.9**	0.50
Bromobenzene	<10	<0.50	0.50
Bromochloromethane	<10	<0.50	0.50
Bromodichloromethane	<10	<0.50	0.50
Bromoform	<10	<0.50	0.50
Bromomethane	<10	<0.50	0.50
2-Butanone (MEK)	<200	<10	10
tert-Butyl alcohol (TBA)	<200	<10	10
sec-Butylbenzene	<10	**14**	0.50
tert-Butylbenzene	<10	<0.50	0.50
n-Butylbenzene	<10	**32**	0.50
Carbon Disulfide	<10	<0.50	0.50
Carbon Tetrachloride	<10	<0.50	0.50
Chlorobenzene	<10	<0.50	0.50
Chloroethane	<10	<0.50	0.50
Chloroform	<10	<0.50	0.50
Chloromethane	<10	<0.50	0.50
2-Chlorotoluene	<10	<0.50	0.50
4-Chlorotoluene	<10	<0.50	0.50
1,2-Dibromo-3-chloropropane	<20	<1.0	1.0
Dibromochloromethane	<10	<0.50	0.50
1,2-Dibromoethane (EDB)	<10	<0.50	0.50
Dibromomethane	<10	<0.50	0.50
1,3-Dichlorobenzene	<10	<0.50	0.50
1,2-Dichlorobenzene	<10	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/27/09	09/27/09	
Date Prepared:	10/08/09	10/08/09	
Date Analyzed:	10/08/09	10/08/09	
AA ID No:	9I30009-21	9I30009-22	
Client ID No:	EW-13	MW-5	
Matrix:	Water	Water	
Dilution Factor:	20	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)			
1,4-Dichlorobenzene	<10	<0.50	0.50
Dichlorodifluoromethane (R12)	<10	<0.50	0.50
1,1-Dichloroethane	<10	<0.50	0.50
1,2-Dichloroethane (EDC)	<10	<0.50	0.50
1,1-Dichloroethylene	<10	<0.50	0.50
trans-1,2-Dichloroethylene	<10	<0.50	0.50
cis-1,2-Dichloroethylene	<10	<0.50	0.50
1,2-Dichloropropane	<10	<0.50	0.50
2,2-Dichloropropane	<10	<0.50	0.50
1,3-Dichloropropane	<10	<0.50	0.50
cis-1,3-Dichloropropylene	<10	<0.50	0.50
trans-1,3-Dichloropropylene	<10	<0.50	0.50
1,1-Dichloropropylene	<10	<0.50	0.50
Diisopropyl ether (DIPE)	<40	<2.0	2.0
Ethylbenzene	**440**	**120**	0.50
Ethyl-tert-Butyl Ether (ETBE)	<40	<2.0	2.0
Gasoline Range Organics (GRO)	**12000**	**4000**	100
Hexachlorobutadiene	<20	<1.0	1.0
2-Hexanone (MBK)	<200	<10	10
Isopropylbenzene	**14**	**50**	0.50
4-Isopropyltoluene	<20	**4.8**	1.0
Methyl-tert-Butyl Ether (MTBE)	<40	<2.0	2.0
Methylene Chloride	<100	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<200	<10	10
Naphthalene	**74**	**86**	2.0
n-Propylbenzene	**23**	**85**	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09
Units: ug/L

Date Sampled:	09/27/09	09/27/09	
Date Prepared:	10/08/09	10/08/09	
Date Analyzed:	10/08/09	10/08/09	
AA ID No:	9I30009-21	9I30009-22	
Client ID No:	EW-13	MW-5	
Matrix:	Water	Water	
Dilution Factor:	20	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)			
Styrene	<10	<0.50	0.50
1,1,1,2-Tetrachloroethane	<10	<0.50	0.50
1,1,2,2-Tetrachloroethane	<10	<0.50	0.50
Tetrachloroethylene (PCE)	<10	<0.50	0.50
Toluene	**3900**	**47**	0.50
1,2,3-Trichlorobenzene	<10	<0.50	0.50
1,2,4-Trichlorobenzene	<10	<0.50	0.50
1,1,1-Trichloroethane	<10	<0.50	0.50
1,1,2-Trichloroethane	<10	<0.50	0.50
Trichloroethylene (TCE)	<10	<0.50	0.50
Trichlorofluoromethane (R11)	<10	<0.50	0.50
1,2,3-Trichloropropane	<10	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<10	<0.50	0.50
1,3,5-Trimethylbenzene	**71**	**86**	0.50
1,2,4-Trimethylbenzene	**300**	**370**	0.50
Vinyl chloride	<10	<0.50	0.50
o-Xylene	**830**	**110**	0.50
m,p-Xylenes	**1800**	**560**	1.0
Surrogates			**%REC Limits**
4-Bromofluorobenzene	111%	123%	70-140
Dibromofluoromethane	110%	91.1%	70-140
Toluene-d8	104%	119%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B9J0605 - EPA 5030B										
Blank (B9J0605-BLK1)				Prepared & Analyzed: 10/06/09						
Acetone	<10	10	ug/L							
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B9J0605 - EPA 5030B										
Blank (B9J0605-BLK1) Continued				Prepared & Analyzed: 10/06/09						
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<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)	<50	50	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B9J0605 - EPA 5030B										
Blank (B9J0605-BLK1) Continued				Prepared & Analyzed: 10/06/09						
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<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	*53.6*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*56.6*		*ug/L*	*50*		*113*	*70-140*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50*		*103*	*70-140*			
LCS (B9J0605-BS1)				Prepared: 10/06/09 Analyzed: 10/07/09						
Benzene	**21.2**	0.50	ug/L	20		106	75-125			
Bromodichloromethane	**18.0**	0.50	ug/L	20		90.0	75-125			
Bromoform	**15.2**	0.50	ug/L	20		75.8	75-125			
Carbon Tetrachloride	**19.6**	0.50	ug/L	20		98.0	75-125			
Chlorobenzene	**21.3**	0.50	ug/L	20		107	75-125			
Chloroethane	**19.6**	0.50	ug/L	20		98.2	75-125			
Chloroform	**20.0**	0.50	ug/L	20		100	75-125			
Chloromethane	**17.3**	0.50	ug/L	20		86.5	65-125			
Dibromochloromethane	**16.3**	0.50	ug/L	20		81.4	75-125			
1,4-Dichlorobenzene	**19.3**	0.50	ug/L	20		96.6	75-125			
1,1-Dichloroethane	**17.2**	0.50	ug/L	20		85.9	70-125			
1,2-Dichloroethane (EDC)	**19.7**	0.50	ug/L	20		98.5	75-125			
1,1-Dichloroethylene	**19.1**	0.50	ug/L	20		95.6	70-130			
trans-1,2-Dichloroethylene	**20.5**	0.50	ug/L	20		103	75-125			
cis-1,2-Dichloroethylene	**19.3**	0.50	ug/L	20		96.6	75-125			
1,2-Dichloropropane	**20.7**	0.50	ug/L	20		104	75-130			
cis-1,3-Dichloropropylene	**17.8**	0.50	ug/L	20		89.2	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B9J0605 - EPA 5030B										
LCS (B9J0605-BS1) Continued				Prepared: 10/06/09 Analyzed: 10/07/09						
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Methyl-tert-Butyl Ether (MTBE)	**17.1**	2.0	ug/L	20		85.7	75-125			
Methylene Chloride	**18.4**	5.0	ug/L	20		92.2	75-130			
1,1,2,2-Tetrachloroethane	**16.1**	0.50	ug/L	20		80.5	70-135			
Tetrachloroethylene (PCE)	**20.3**	0.50	ug/L	20		101	75-125			
Toluene	**21.4**	0.50	ug/L	20		107	75-125			
1,1,1-Trichloroethane	**19.1**	0.50	ug/L	20		95.3	75-125			
1,1,2-Trichloroethane	**18.1**	0.50	ug/L	20		90.4	75-125			
Trichloroethylene (TCE)	**19.5**	0.50	ug/L	20		97.7	75-125			
Vinyl chloride	**19.6**	0.50	ug/L	20		97.8	75-125			
o-Xylene	**21.4**	0.50	ug/L	20		107	75-125			
Surrogate: 4-Bromofluorobenzene	*56.0*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*52.9*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*58.8*		*ug/L*	*50*		*118*	*70-140*			
Matrix Spike (B9J0605-MS1)		**Source: 9I30009-01**		Prepared & Analyzed: 10/06/09						
Benzene	**24.1**	0.50	ug/L	20	<0.50	120	70-130			
Bromoform	**16.2**	0.50	ug/L	20	<0.50	80.8	70-130			
Chlorobenzene	**18.3**	0.50	ug/L	20	<0.50	91.6	70-130			
Chloroform	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130			
1,1-Dichloroethane	**20.4**	0.50	ug/L	20	<0.50	102	70-130			
1,1-Dichloroethylene	**21.7**	0.50	ug/L	20	<0.50	108	70-130			
cis-1,2-Dichloroethylene	**22.6**	0.50	ug/L	20	<0.50	113	70-130			
1,2-Dichloropropane	**24.7**	0.50	ug/L	20	<0.50	124	70-130			
Ethylbenzene	**18.2**	0.50	ug/L	20	<0.50	90.8	70-130			
Methyl-tert-Butyl Ether (MTBE)	**21.2**	2.0	ug/L	20	<2.0	106	70-130			
n-Propylbenzene	**20.4**	0.50	ug/L	20	<0.50	102	70-130			
Tetrachloroethylene (PCE)	**16.8**	0.50	ug/L	20	<0.50	84.2	70-130			
Toluene	**18.4**	0.50	ug/L	20	<0.50	91.9	70-130			
1,1,1-Trichloroethane	**21.5**	0.50	ug/L	20	<0.50	108	70-130			
Trichloroethylene (TCE)	**22.5**	0.50	ug/L	20	<0.50	112	70-130			
1,3,5-Trimethylbenzene	**19.1**	0.50	ug/L	20	<0.50	95.5	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B9J0605 - EPA 5030B										
Matrix Spike (B9J0605-MS1) Continued	**Source: 9I30009-01**			Prepared & Analyzed: 10/06/09						
Vinyl chloride	**22.8**	0.50	ug/L	20	<0.50	114	70-130			
Surrogate: 4-Bromofluorobenzene	*55.9*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*56.5*		*ug/L*	*50*		*113*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
Matrix Spike Dup (B9J0605-MSD1)	**Source: 9I30009-01**			Prepared & Analyzed: 10/06/09						
Benzene	**23.7**	0.50	ug/L	20	<0.50	118	70-130	1.76	30	
Bromoform	**16.3**	0.50	ug/L	20	<0.50	81.6	70-130	1.05	30	
Chlorobenzene	**18.3**	0.50	ug/L	20	<0.50	91.6	70-130	0.0546	30	
Chloroform	**21.1**	0.50	ug/L	20	<0.50	105	70-130	6.87	30	
1,1-Dichloroethane	**20.9**	0.50	ug/L	20	<0.50	104	70-130	2.18	30	
1,1-Dichloroethylene	**22.8**	0.50	ug/L	20	<0.50	114	70-130	4.99	30	
cis-1,2-Dichloroethylene	**22.7**	0.50	ug/L	20	<0.50	114	70-130	0.751	30	
1,2-Dichloropropane	**23.6**	0.50	ug/L	20	<0.50	118	70-130	4.81	30	
Ethylbenzene	**17.8**	0.50	ug/L	20	<0.50	89.1	70-130	1.94	30	
Methyl-tert-Butyl Ether (MTBE)	**21.5**	2.0	ug/L	20	<2.0	107	70-130	1.50	30	
n-Propylbenzene	**19.7**	0.50	ug/L	20	<0.50	98.3	70-130	3.94	30	
Tetrachloroethylene (PCE)	**17.2**	0.50	ug/L	20	<0.50	86.0	70-130	2.11	30	
Toluene	**18.4**	0.50	ug/L	20	<0.50	91.8	70-130	0.163	30	
1,1,1-Trichloroethane	**20.9**	0.50	ug/L	20	<0.50	104	70-130	3.07	30	
Trichloroethylene (TCE)	**21.3**	0.50	ug/L	20	<0.50	107	70-130	5.21	30	
1,3,5-Trimethylbenzene	**18.4**	0.50	ug/L	20	<0.50	92.2	70-130	3.57	30	
Vinyl chloride	**21.8**	0.50	ug/L	20	<0.50	109	70-130	4.36	30	
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*56.0*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Toluene-d8	*49.1*		*ug/L*	*50*		*98.1*	*70-140*			
Batch B9J0802 - EPA 5030B										
Blank (B9J0802-BLK1)				Prepared & Analyzed: 10/08/09						
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							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B9J0802 - EPA 5030B										
Blank (B9J0802-BLK1) Continued				Prepared & Analyzed: 10/08/09						
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethanol	<200	200	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							
Naphthalene	<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	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*54.2*		*ug/L*	*50*		*108*	*70-140*			
LCS (B9J0802-BS1)				Prepared & Analyzed: 10/08/09						
Benzene	**21.7**	0.50	ug/L	20		109	75-125			
Ethylbenzene	**18.8**	0.50	ug/L	20		94.2	75-125			
Methyl-tert-Butyl Ether (MTBE)	**19.7**	2.0	ug/L	20		98.6	75-125			
Toluene	**18.6**	0.50	ug/L	20		93.0	75-125			
o-Xylene	**19.2**	0.50	ug/L	20		96.2	75-125			
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*52.0*		*ug/L*	*50*		*104*	*70-140*			
Matrix Spike (B9J0802-MS1)		**Source: 9I30009-10**		Prepared & Analyzed: 10/08/09						
Benzene	**52.1**	0.50	ug/L	20	32.1	99.8	70-130			
Ethylbenzene	**19.3**	0.50	ug/L	20	<0.50	96.6	70-130			
Methyl-tert-Butyl Ether (MTBE)	**19.2**	2.0	ug/L	20	<2.0	96.2	70-130			
Toluene	**19.2**	0.50	ug/L	20	<0.50	96.0	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.7*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Matrix Spike Dup (B9J0802-MSD1)		**Source: 9I30009-10**		Prepared & Analyzed: 10/08/09						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B9J0802 - EPA 5030B										
Matrix Spike Dup (B9J0802-MSD1) Continued		**Source: 9I30009-10**			Prepared & Analyzed: 10/08/09					
Benzene	**53.8**	0.50	ug/L	20	32.1	108	70-130	3.12	30	
Ethylbenzene	**19.5**	0.50	ug/L	20	<0.50	97.6	70-130	0.978	30	
Methyl-tert-Butyl Ether (MTBE)	**19.7**	2.0	ug/L	20	<2.0	98.6	70-130	2.36	30	
Toluene	**19.7**	0.50	ug/L	20	<0.50	98.4	70-130	2.47	30	
Surrogate: 4-Bromofluorobenzene	*54.7*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*52.5*		*ug/L*	*50*		*105*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57225
Date Received: 09/30/09
Date Reported: 10/13/09

Special Notes

Viorel Vasile
Operations Manager

108899

Franklin J. Goldman
PO BOX 59, Sonoma, CA 95476
FJGoldmanCHG@yahoo.com
Cell: (707) 694-1375

A57225/9530009

CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.
Laboratory Please Call Accounts Payable for P.O. No.
Date: 9/28/09 Sheet 1 of 3

Project Name: Chun
Project Number:
Address: 2301 SANTA CLARA, ALAMEDA, CA 94501
Sampler's Name: Frank Goldman
Sampler's Signature: [signature]

American Analytics
9765 Eton Ave
Chatsworth, CA 91311
Phone: (818) 998-5547

Phone
Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day
Repeat to: Frank

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	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE	Comments
MW-10	9/25/09	7:10 AM											X			X	9530009-01
MW-9	↓	8:00 AM											↓			↓	-02
MW-8	↓	9:05 AM											↓			↓	-03
BH	↓	10:25 AM											↓			↓	-04
BM	↓	11:50 AM											↓			↓	-05
BL	↓	12:50 PM											↓			↓	-06
BG	↓	2:20 PM											↓			↓	-07
BJ	↓	3:30 PM											↓			↓	-08
BK	↓	4:45 PM											↓			↓	-09
BF	↓	5:55 PM											↓			↓	-10

9/30/09 1300 [initials]

Relinquished By	Date	Time	Received By	Date	Time
[signature]	9/28/09	2:30 PM	[signature]	9/28/09	2:30 PM
Dispatched By	**Date**	**Time**	**Received in Lab By**	**Date**	**Time**
			[signature]	9/30/09	11:57

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements: Keep on Ice

900
108899 [illegible]

Franklin J. Goldman
PO BOX 59, Sonoma, CA 95476
FJGoldmanCHG@yahoo.com
Cell: (707) 694-1375

A57225/9I30009

CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.
Laboratory Please Call Accounts Payable for P.O. No.
Date: 9/28/09 Sheet 2 of 3

Project Name: Chun
Project Number:
Address: 2301 SANTA CLARA, ALAMEDA, CA 94501
Sampler's Name: Frank Goldman
Sampler's Signature: [signature]

American Analytics
9765 Eton Ave
Chatsworth, CA 91311
Phone: (818) 998-5547

Phone

Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day

Repeat to: Frank

Parameters:

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	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers		Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE	Comments
MW-11	9/25/09	8 25 AM											X				X	9I30009-11
EW-16	↓	9 45 AM											↓				↓	-12
MW-3		10 55 AM																-13
MW-4		12 15 PM																-14
MW-6		1 50 PM																-15
MW-1		3 15 PM																-16
MW-2		4 25 PM																-17
EW-15	↓	6 10 PM																-18
EW-17	9/27/09	10 20 AM																-19
EW-14	9/27/09	12 05 PM											↓				↓	-20

REVIEWED 9/29/09 1300 [initials] TAT N

'09 SEP 30 11:57 20

Relinquished By	Date	Time	Received By	Date	Time
[signature]	9/28/09	2 30 PM	[signature]	9/28/09	2 30 PM
Dispatched By	Date	Time	Received in Lab By	Date	Time
			[signature]	9/30/09	11:57

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handiling or Storage Requirements: Keep on Ice

902
108894

Franklin J. Goldman
PO BOX 59, Sonoma, CA 95476
FJGoldmanCHG@yahoo.com
Cell: (707) 694-1375

A57225/9530009

CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.
Laboratory Please Call Accounts Payable for P.O. No.
Date: 9/28/09 Sheet 3 Of 3

Project Name: Chun
Project Number:
Address: 2301 SANTA CLARA, ALAMEDA, CA 94501
Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J Goldman

Sample Number	Location	Date	Time
EW-13		9/27/09	1:35 PM
MW-5		9/27/09	2:45 PM

Parameters

TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE
										X			X
										X			X

REVIEWED
Date: 9/30/09
TAT 10 Days

American Analytics
9765 Eton Ave
Chatsworth, CA 91311
Phone: (818) 998-5547

Phone
Turnaround Time
☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day
Repeat to: Frank

Comments
9530009-21
-22

09 SEP 30 11:57:26

Relinquished By	Date	Time
Franklin J Goldman	9/28/09	2:30 PM
Dispatched By	Date	Time

Received By	Date	Time
	9/28/09	2:30 PM
Received in Lab By	Date	Time
	9/30/09	11:57

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements: Keep on Ice