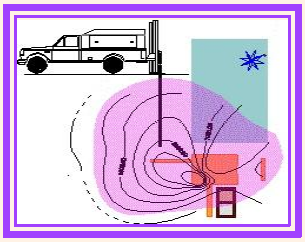
**Franklin J. Goldman, CHG**
**Environmental and Hydrogeological Consulting**
**PO Box 59, Sonoma, CA 95476**
**Phone: (707) 694-1375**
**fjgoldmanchg@yahoo.com**



**RECEIVED**

2:18 pm, Feb 15, 2008

Alameda County
Environmental Health

**December 13, 2007**

**Robert Weston** **Telephone: (510) 567-6765**
**Hazardous Materials Specialist**
**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 Mr. Weston:**

**This technical report summarizes the laboratory results of analyses performed for gasoline related constituents in groundwater. The groundwater monitoring event, performed on September 21, 22, 23, 24, and 26, 2007, represents a compilation of data covering samples collected and analyzed from onsite monitor wells and offsite down gradient monitor wells, installed on the Towata property.**

**The concentrations of dissolved Gasoline Ranged Organics and benzene have decreased significantly in most of the monitor well water samples analyzed. In addition, inorganic parameters and other water quality parameters indicate that biodegradation is naturally attenuating the hydrocarbons beneath the site.**

**Call me if you have any questions.**

**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, 2007, a Slope Indicator water level meter was used to measure the depth to groundwater in the groundwater monitor and extraction wells. The measurements were read to the nearest 100th of a foot from the top of the casing elevation as established by a certified land survey.

Groundwater was encountered at depths ranging from approximately between 6 and 10 feet bgs. The predominant groundwater gradient flow direction is to the southeast at 0.06 (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 ½ inch diameter plastic weighted check valve bailers. 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/Well Purging Logs). The recorded data was used to verify that a sufficient volume of groundwater had been removed from each well casing so that anomalies caused by remnant well casing storage would not preclude us from obtaining a groundwater sample which would be more representative of the aquifer contaminant distribution as a whole.

Water samples collected on September 26, 2007 were collected from monitor wells after water quality parameters were verified to be within the 10% error difference as documented on September 21, 22, 23, and 24, 2007. The sampling performed on September 26, 2007 was performed on a separate day in order to accommodate the short holding times.

As during past sampling events the monitor wells yielded water with excessive organic sediment regardless of the level of effort at purging.

## GROUNDWATER SAMPLING FROM WELLS

Water samples were collected by lowering a disposable weighted plastic 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 The samples in the VOAs were analyzed for GROs, 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. In addition, analyses for chlorinated solvents and trimethylbenzenes were included in the analytical suite. 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.

In addition the hydrocarbon analyses, the following water quality tests were

performed in order to establish a baseline for determining natural attenuation and to determine background water quality as approved by Alameda County as follows:

Alkalinity SM2320B
Iodine Total EPA 200.8
Methane Dissolved (RSK-175M)
Bromide Chloride Fluoride Sulfate Nitrate (EPA 300.0)
Sulfide 376.2 (EPA 376.2)
TDS-160.1 (EPA 160.1)
TOC 415.1 (EPA 415.1)
Iodine Total EPA 200.8 (EPA 200.8)
Metals Total 6000/7000 (EPA 6010B/7000)
Ferrous (Dissolved Iron) (SM 3500)

## Discussion of Laboratory Results of Hydrocarbons in Groundwater

Dissolved concentrations of gasoline ranged organics (GROs) and benzene decreased significantly in most of the groundwater monitor wells (See Appendix B for Laboratory Data Sheets) (Table 2 for Historical Trends of GRO and Benzene concentrations) & (See Figures 2 and 3 for GRO and benzene concentration maps). In addition, very low levels of lead scavengers and MTBE still persist in groundwater. Also, TBA was identified at 29 ppb in well BH (See Figure 4a for 1,2 DCA and figure 4B for MTBE and TBA concentration maps).

Eight (8) water samples from eight (8) wells were run for gasoline ranged organic with a silica gel cleanup. Results show that the GRO concentrations were as high as five (5) times greater than the actual (i.e. those results with Silica Gel Cleanup) gasoline related organics that exist in groundwater beneath the site. Therefore all the concentrations of GROs are not nearly as high as has been reported during past groundwater monitoring events (See Table 2 for Historical Trends of Silica Gel Cleanup GRO concentrations).

## Discussion of Laboratory Results of Inorganic Constituents in Groundwater and Evaluation of other Water Quality Parameters

### Dissolved Iron

The availability of high levels of total iron in the groundwater (See Table 3A for Total Iron concentrations), is likely to have anaerobically biodegradated the Ferric (Fe III) iron to the high levels of dissolved Ferrous Iron ($Fe\ 2^{+}$) [According to Wiedemeier, "Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface," Pages 326, John Wiley & Sons] identified in groundwater (See Table 3B for Dissolved Iron concentrations) & (See Figure 5 for Dissolved Iron Concentration Map).

Since the highest levels of dissolved iron are at the center of the hydrocarbon plume (i.e. MW-1, MW-2, EW-13, EW-14, & EW-17) and that very low to non-detectable levels of dissolved iron were identified in up gradient wells (i.e MW-4, MW-6, MW-9, and MW-10), this indicates that anaerobic biodegradation is occurring. Typically, ferrous iron at concentrations greater than 1.0 ppm indicate that anaerobic biodegradation is occurring.

**Dissolved Methane**

**The high levels of dissolved methane (See Table 3A for Dissolved Methane concentrations)& (See Figure 6 for Dissolved Methane Concentration Map) located at the center of the site (i.e. MW-1, MW-2, EW-14, & EW-17) indicate a strongly reducing environment; especially at levels that exceed 0.5 ppm. This is strong evidence that anaerobic biodegradation is occurring at this site.**

**Nitrates & Sulfates**

**Concentrations of nitrates and sulfates are clearly depleted in the area of the hydrocarbon plume and are significantly higher up and down gradient (See Table 3B nitrate and sulfate concentrations) & (See Figures 7 and 8, respectively for concentration gradient maps). This is further evidence that anaerobic biodegradation is occurring at this site.**

**Total Dissolved Solids (TDS)**

**Samples collected from wells BH, BG, EW14, and EW-17, all have TDS concentrations greater than the 500 ppm limit set in Table 3-5 of the San Francisco Regional Water Quality Control Board Basin Plan (See Table 3B for TDS concentrations). This suggests that the background water quality of the groundwater beneath the site has limited beneficial uses**

## 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

**Background water quality of the groundwater exceeds levels acceptable for municipal supply for Total Dissolved Solids (TDS). The concentrations of gasoline ranged organics (GROs) and dissolved benzene demonstrated a continued decreasing trend. The concentrations of GROs are actually significantly less than what has been reported in the past due to the lab results based upon a silica gel cleanup. The production of ferrous iron and methane, and the depletion of sulfates and nitrates, in the dissolved hydrocarbon plume area, on site, are strong indicators that the site hydrocarbons are undergoing natural attenuation due the conditions that are conducive to anaerobic biodegradation of petroleum hydrocarbons.**

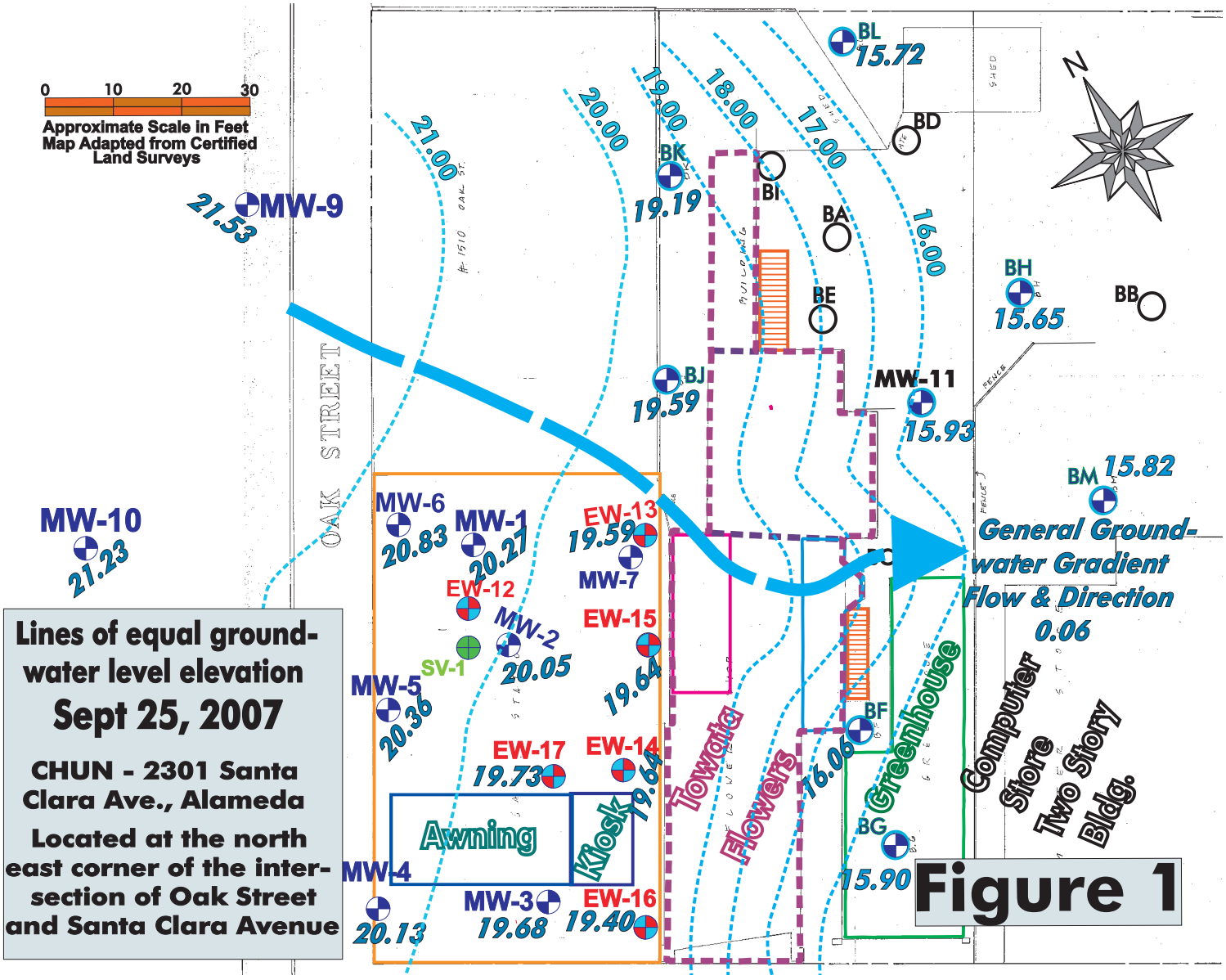
## RECOMMENDATIONS

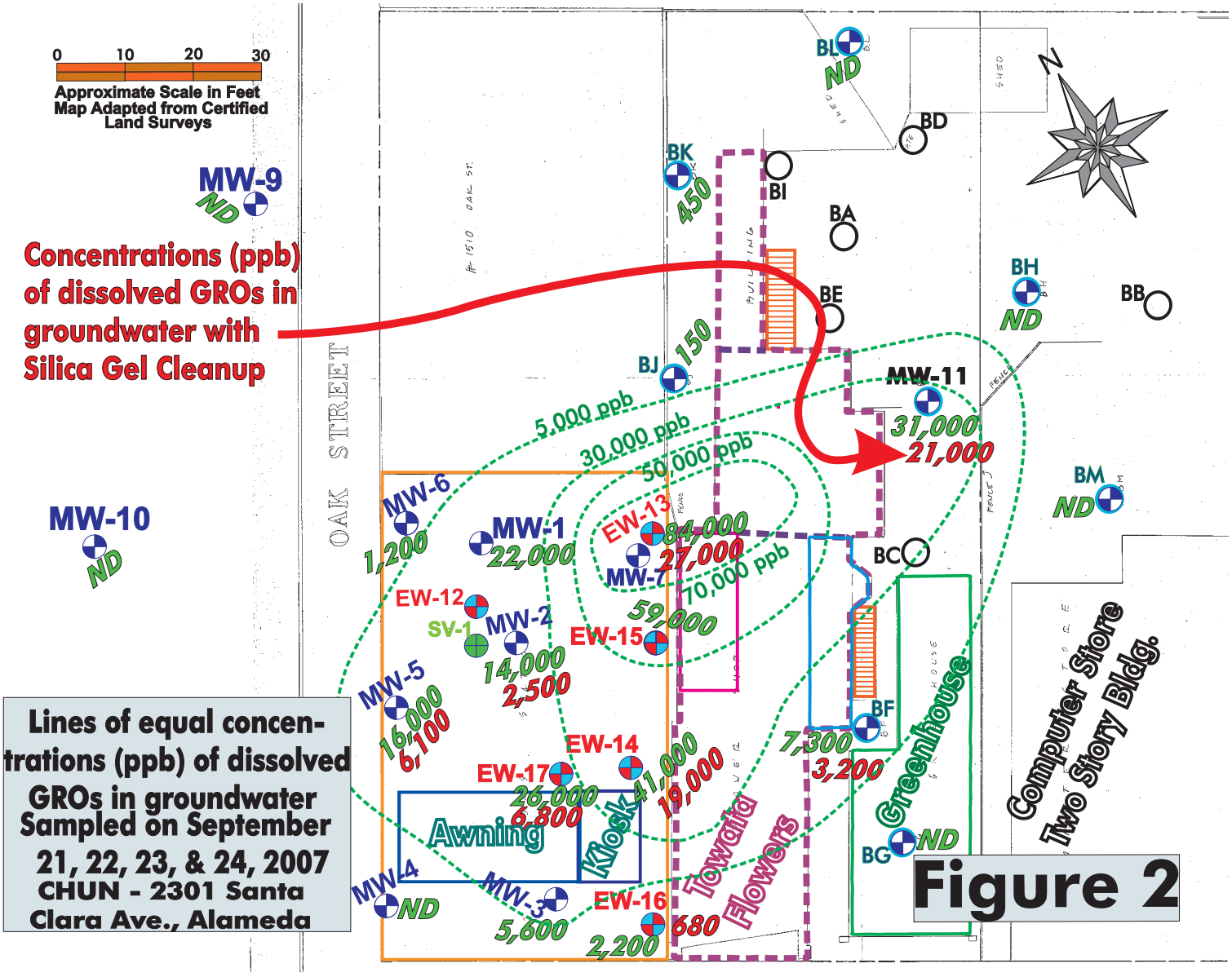
**Suspend implementation of active remediation, at this time, due to strong evidence of natural attenuation of hydrocarbons.**

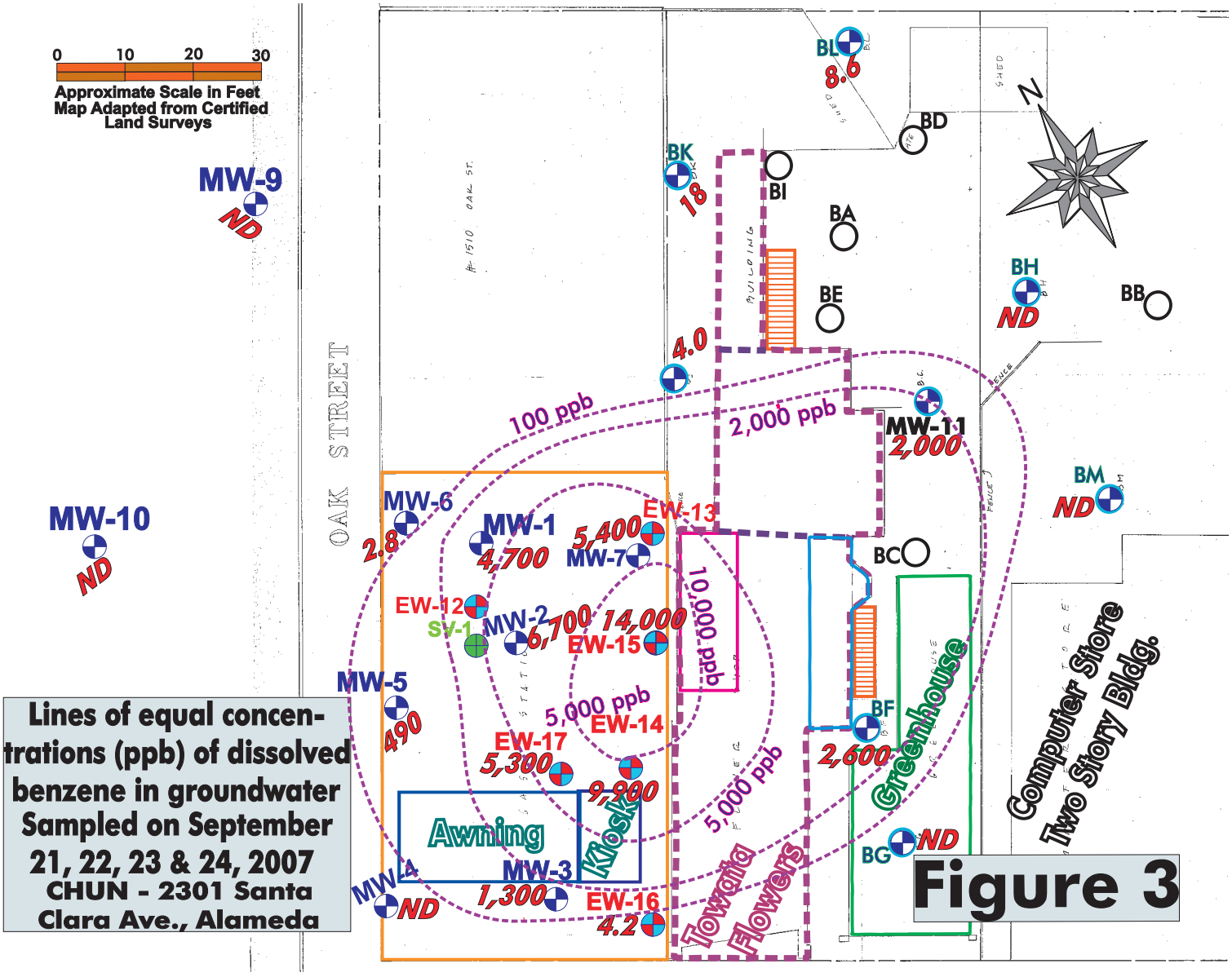
## LIMITATIONS

**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
N
OAK STREET
MW-9
21.53
MW-10
21.23
21.00
20.00
19.00
18.00
17.00
16.00
BK
19.19
BL
15.72
BD
BI
BA
BE
BH
15.65
BB
BJ
19.59
MW-11
15.93
BM
15.82
General Ground-water Gradient Flow & Direction
0.06
MW-6
20.83
MW-1
20.27
EW-13
19.59
MW-7
EW-12
MW-2
20.05
EW-15
19.64
SV-1
MW-5
20.36
EW-17
19.73
EW-14
19.64
Awning
Kiosk
MW-4
20.13
MW-3
19.68
EW-16
19.40
Towata Flowers
BF
16.06
Greenhouse
BG
15.90
Computer Store Two Story Bldg.
Lines of equal ground-water level elevation
Sept 25, 2007
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

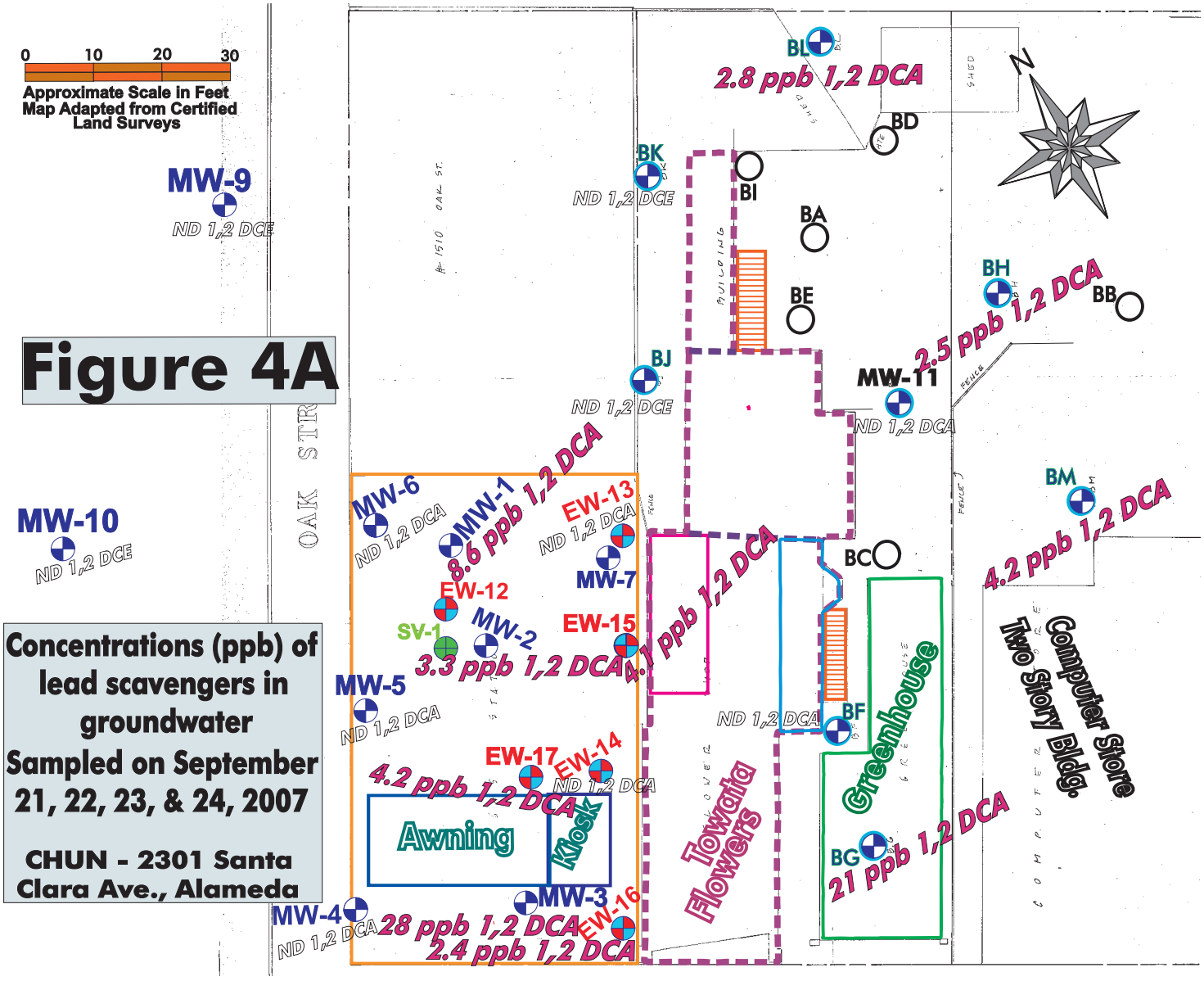

0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
ND
Concentrations (ppb) of dissolved GROs in groundwater with Silica Gel Cleanup
MW-10
ND
OAK STREET
BL
ND
BD
BK
450
BI
BA
BE
BH
ND
BB
BJ
150
MW-11
31,000
21,000
5,000 ppb
30,000 ppb
50,000 ppb
70,000 ppb
MW-6
1,200
MW-1
22,000
EW-13
84,000
27,000
MW-7
59,000
EW-12
SV-1
MW-2
14,000
2,500
EW-15
MW-5
16,000
6,100
EW-14
EW-17
26,000
6,800
Awning
Kiosk
41,000
19,000
MW-4
ND
MW-3
5,600
EW-16
2,200
680
Towaid Flowers
7,300
3,200
BF
Greenhouse
BG
ND
BM
ND
BC
Computer Store
Two Story Bldg.
N
Lines of equal concentrations (ppb) of dissolved GROs in groundwater Sampled on September 21, 22, 23, & 24, 2007
CHUN - 2301 Santa Clara Ave., Alameda
Figure 2

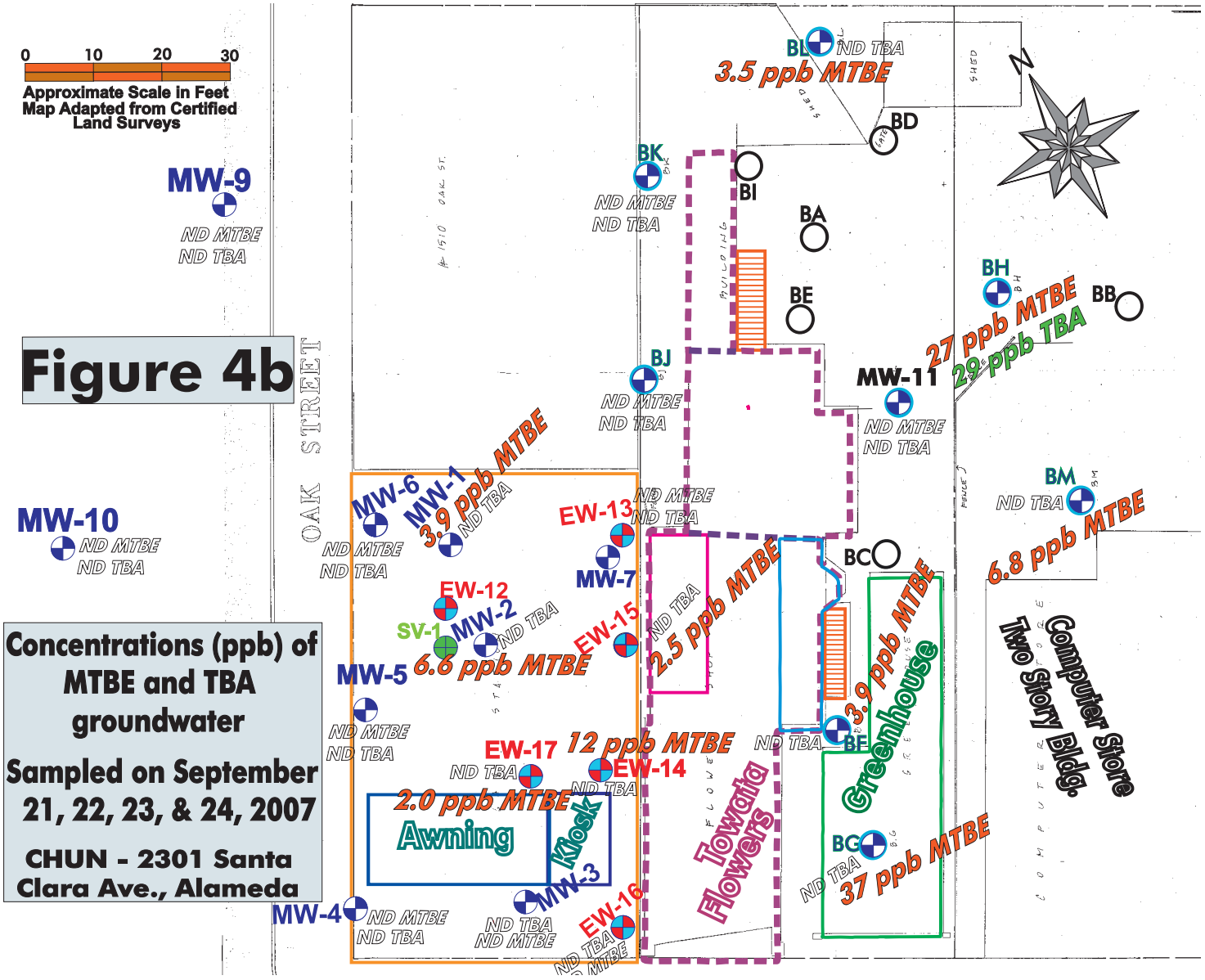


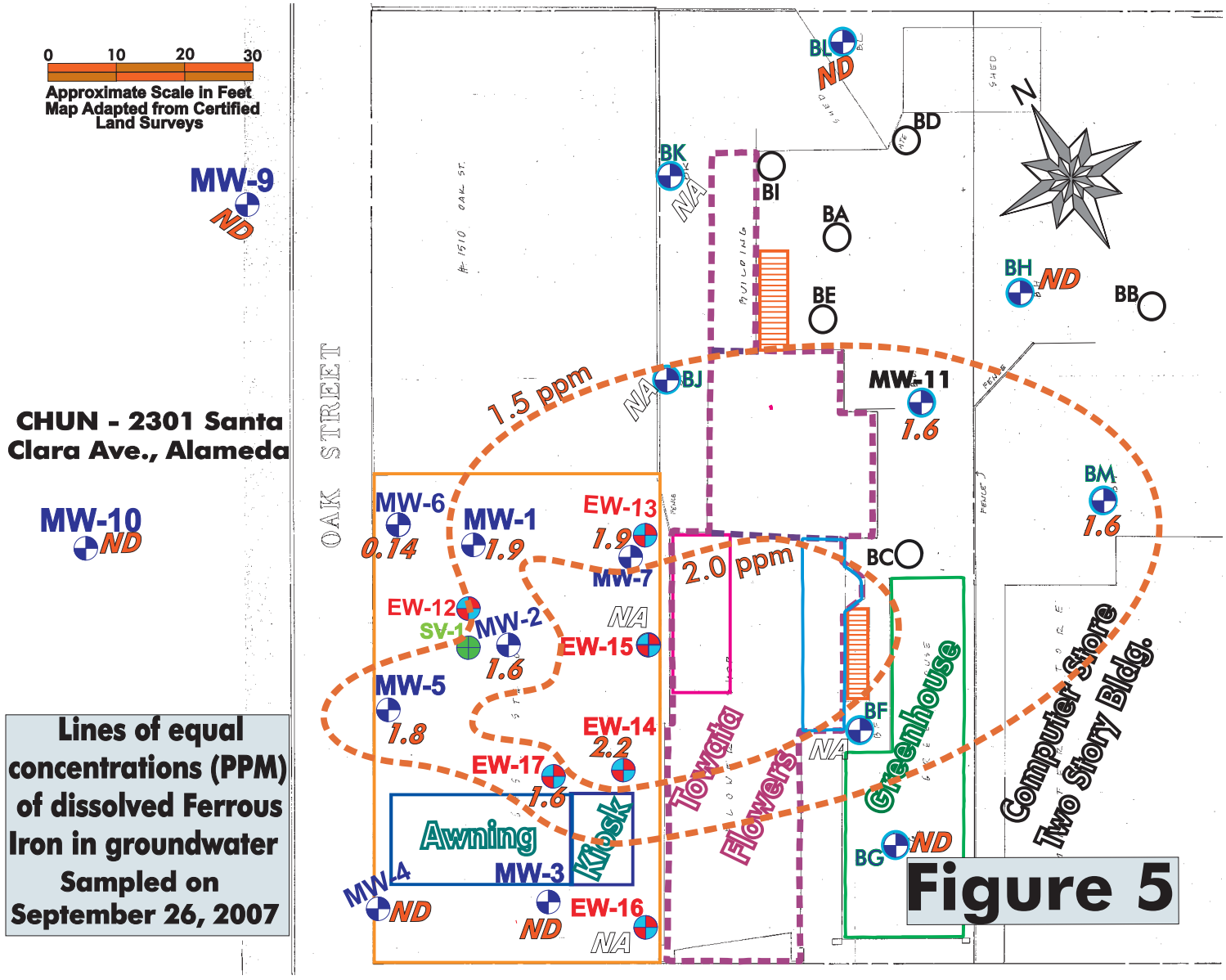

**Lines of equal concentrations (ppb) of dissolved benzene in groundwater Sampled on September 21, 22, 23 & 24, 2007**

**CHUN - 2301 Santa Clara Ave., Alameda**

# Figure 3


0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
ND 1,2 DCE
Figure 4A
MW-10
ND 1,2 DCE
OAK STR
Concentrations (ppb) of lead scavengers in groundwater Sampled on September 21, 22, 23, & 24, 2007
CHUN - 2301 Santa Clara Ave., Alameda
BL
2.8 ppb 1,2 DCA
BD
BK
ND 1,2 DCE
BI
BA
BE
BH
2.5 ppb 1,2 DCA
BB
BJ
ND 1,2 DCE
MW-11
ND 1,2 DCA
BM
4.2 ppb 1,2 DCA
MW-6
ND 1,2 DCA
MW-1
8.6 ppb 1,2 DCA
EW-13
ND 1,2 DCA
MW-7
EW-12
SV-1
MW-2
3.3 ppb 1,2 DCA
EW-15
4.1 ppb 1,2 DCA
BC
MW-5
ND 1,2 DCA
ND 1,2 DCA
BF
EW-17
EW-14
4.2 ppb 1,2 DCA
ND 1,2 DCA
Awning
Kiosk
Towata Flowers
Greenhouse
Computer Store
Two Story Bldg.
BG
21 ppb 1,2 DCA
MW-3
EW-16
MW-4
ND 1,2 DCA
28 ppb 1,2 DCA
2.4 ppb 1,2 DCA


0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
ND MTBE
ND TBA
Figure 4b
MW-10
ND MTBE
ND TBA
OAK STREET
Concentrations (ppb) of MTBE and TBA groundwater
Sampled on September 21, 22, 23, & 24, 2007
CHUN - 2301 Santa Clara Ave., Alameda
BL
ND TBA
3.5 ppb MTBE
BD
BK
ND MTBE
ND TBA
BI
BA
BE
BH
BB
27 ppb MTBE
29 ppb TBA
BJ
ND MTBE
ND TBA
MW-11
ND MTBE
ND TBA
BM
ND TBA
6.8 ppb MTBE
MW-6
MW-1
3.9 ppb MTBE
ND TBA
ND MTBE
ND TBA
EW-13
ND MTBE
ND TBA
MW-7
BC
EW-12
SV-1
MW-2
ND TBA
EW-15
6.6 ppb MTBE
MW-5
2.5 ppb MTBE
ND TBA
3.9 ppb MTBE
Greenhouse
Computer Store
Two Story Bldg.
ND MTBE
ND TBA
EW-17
12 ppb MTBE
EW-14
ND TBA
ND TBA
BF
ND TBA
2.0 ppb MTBE
Awning
Kiosk
Towata Flowers
BG
ND TBA
37 ppb MTBE
MW-3
MW-4
ND MTBE
ND TBA
ND TBA
ND MTBE
EW-16
ND TBA
ND MTBE


0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
ND
CHUN - 2301 Santa Clara Ave., Alameda
MW-10
ND
Lines of equal concentrations (PPM) of dissolved Ferrous Iron in groundwater Sampled on September 26, 2007
OAK STREET
#1510 OAK ST.
BUILDING
SHED
FENCE
N
BL ND
BD
BK NA
BI
BA
BH ND
BB
BE
BJ NA
MW-11 1.6
1.5 ppm
BM 1.6
MW-6 0.14
MW-1 1.9
EW-13 1.9
MW-7 NA
2.0 ppm
BC
EW-12
SV-1
MW-2 1.6
EW-15 NA
MW-5 1.8
EW-14 2.2
EW-17 1.6
BF NA
Awning
Kiosk
MW-3
MW-4 ND
ND
EW-16 NA
Towaila Flowers
Greenhouse
BG ND
Computer Store
Two Story Bldg.
Figure 5

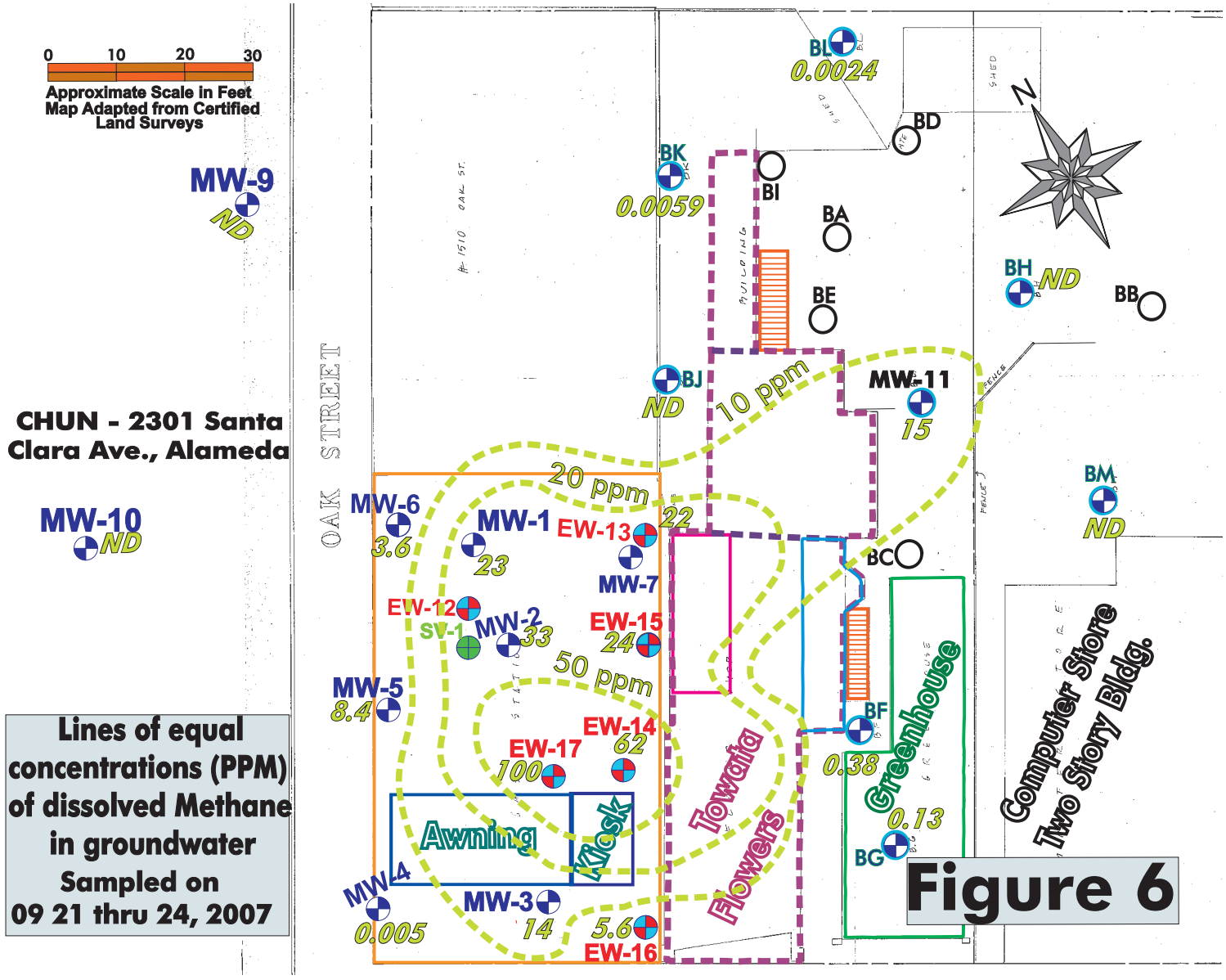
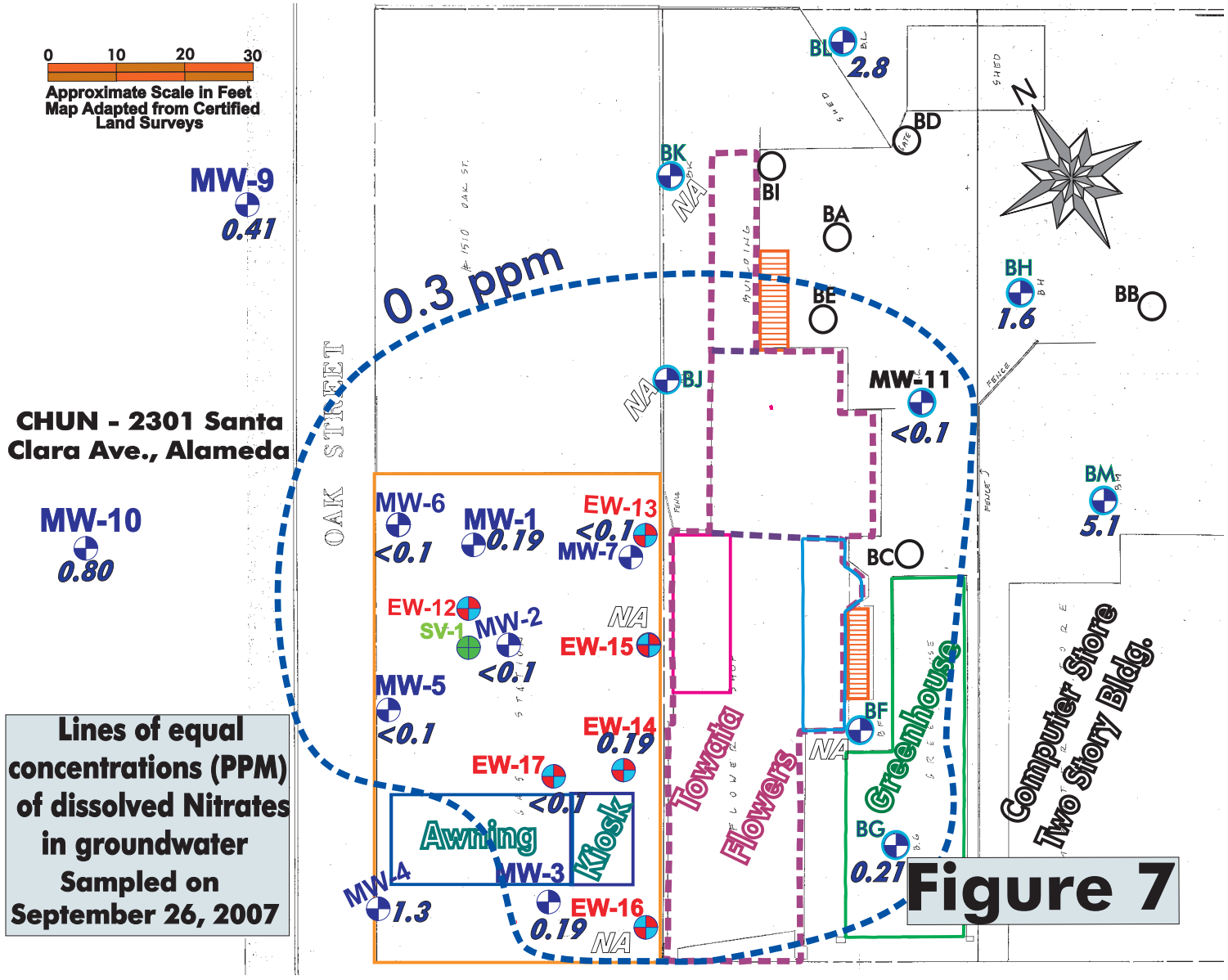
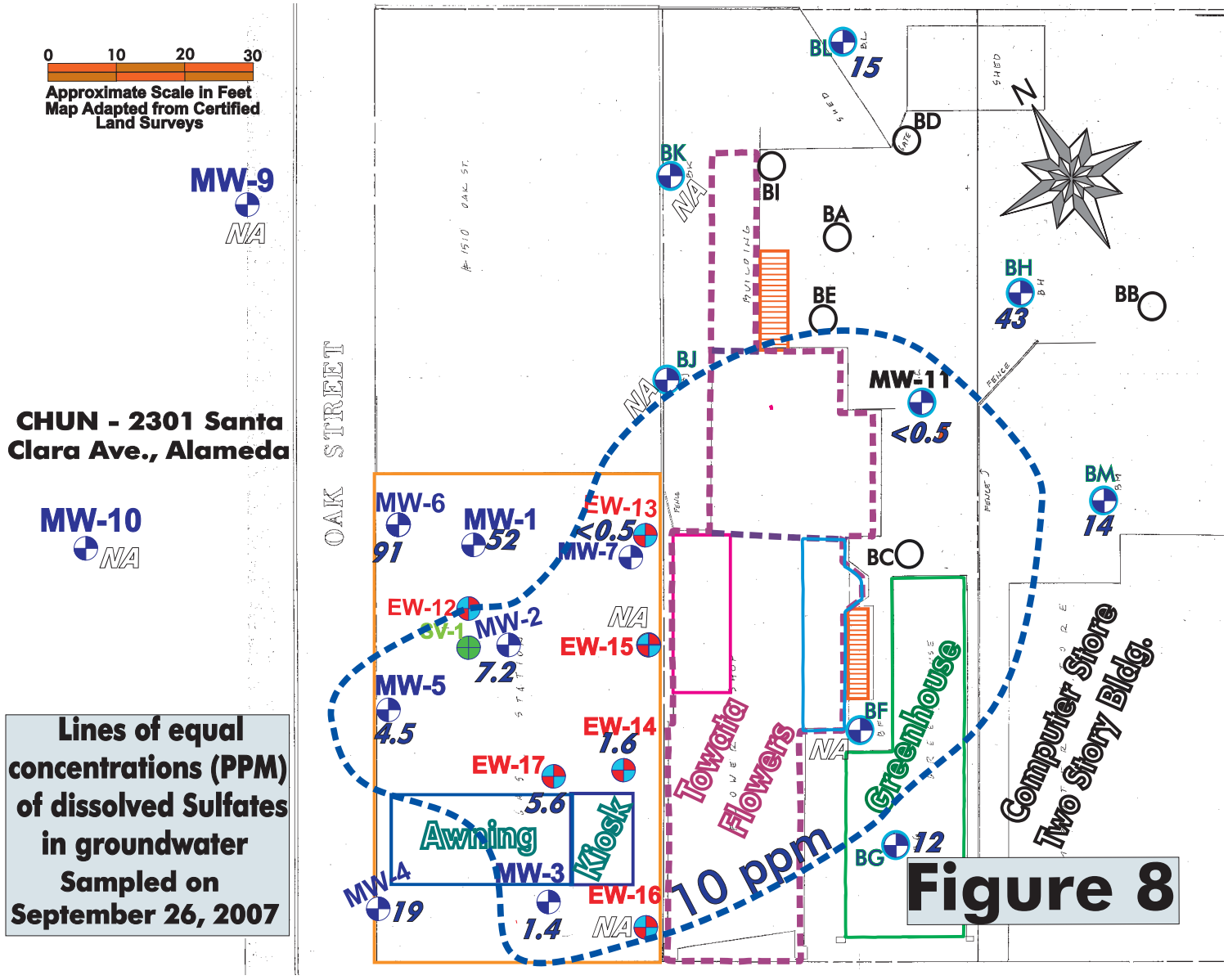

0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
ND
CHUN - 2301 Santa Clara Ave., Alameda
MW-10
ND
Lines of equal concentrations (PPM) of dissolved Methane in groundwater Sampled on 09 21 thru 24, 2007
OAK STREET
BL
0.0024
BK
0.0059
BD
BI
BA
BE
BH
ND
BB
BJ
ND
MW-11
15
10 ppm
20 ppm
MW-6
3.6
MW-1
23
EW-13
22
MW-7
EW-12
SV-1
MW-2
33
EW-15
24
50 ppm
MW-5
8.4
EW-14
62
EW-17
100
Awning
Kiosk
MW-4
0.005
MW-3
14
5.6
EW-16
Towaia Flowers
BM
ND
BC
BF
0.38
Greenhouse
0.13
BG
Computer Store
Two Story Bldg.
N

Figure 6


0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
0.41
CHUN - 2301 Santa Clara Ave., Alameda
MW-10
0.80
Lines of equal concentrations (PPM) of dissolved Nitrates in groundwater Sampled on September 26, 2007
0.3 ppm
OAK STREET
MW-6
<0.1
MW-1
0.19
EW-13
<0.1
MW-7
EW-12
SV-1
MW-2
<0.1
NA
EW-15
MW-5
<0.1
EW-14
0.19
EW-17
<0.1
Awning
Kiosk
MW-4
1.3
MW-3
EW-16
0.19
NA
BL
2.8
BD
BK
NA
BI
BA
BH
1.6
BB
BE
NA
BJ
MW-11
<0.1
BM
5.1
BC
BF
NA
BG
0.21
Towaja Flowers
Greenhouse
Computer Store
Two Story Bldg.
N
Figure 7


0 10 20 30
Approximate Scale in Feet
Map Adapted from Certified Land Surveys
MW-9
NA
CHUN - 2301 Santa Clara Ave., Alameda
MW-10
NA
Lines of equal concentrations (PPM) of dissolved Sulfates in groundwater Sampled on September 26, 2007
OAK STREET
BL 15
BD
BK NA
BI
BA
BH 43
BB
BE
BJ NA
MW-11 <0.5
BM 14
BC
MW-6 91
MW-1 52
EW-13 <0.5
MW-7
EW-12
SV-1
MW-2 7.2
NA
EW-15
MW-5 4.5
EW-14 1.6
EW-17 5.6
Awning
Kiosk
MW-4 19
MW-3 1.4
EW-16 NA
Towata Flowers
BF NA
Greenhouse
BG 12
10 ppm
Computer Store
Two Story Bldg.
N
Figure 8

# TABLE 1
## Depth to Groundwater Measurements
## September 25, 2007
## 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 | 8.22 | 28.49 | 20.27 |
| MW-2 | 8.42 | 28.47 | 20.05 |
| MW-3 | 9.10 | 28.78 | 19.68 |
| MW-4 | 8.40 | 28.53 | 20.13 |
| MW-5 | 7.97 | 28.33 | 20.36 |
| MW-6 | 8.53 | 28.36 | 19.83 |
| MW-7 | | 28.44 | |
| MW-8 | 8.49 | 28.17 | 19.68 |
| MW-9 | 5.92 | 27.45 | 21.53 |
| MW-10 | 6.09 | 27.32 | 21.23 |
| MW-11 | 9.24 | 25.17 | 15.93 |
| | | | |
| EW-12 | | 28.25 | |
| EW-13 | 9.05 | 28.64 | 19.59 |
| EW-14 | 9.57 | 29.21 | 19.64 |
| EW-15 | 9.07 | 28.71 | 19.64 |
| EW-16 | 10.01 | 29.02 | 19.40 |
| EW-17 | 9.22 | 28.95 | 19.73 |
| | | | |
| BL | 9.65 | 25.37 | 15.72 |
| BK | 5.83 | 25.02 | 19.19 |

| | | | |
|---|---|---|---|
| BJ | 5.44 | 25.03 | 19.59 |
| BH | 9.53 | 25.18 | 15.65 |
| BM | 9.35 | 25.17 | 15.82 |
| BF | 9.60 | 25.66 | 16.06 |
| BG | 9.95 | 25.85 | 15.90 |
| | | | |

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

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| MW-1 | (09-23-07) | 22,000 | 4,700 |
| MW-1 | (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 | (09-23-07) | 14,000 (2,500) Silica Gel Cleanup | 6,700 |
| MW-2 | (07-08-07) | 56,000 | 5,400 |
| | (03-24-07) | 52,000 | 12,000 |
| | (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 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (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 | (09-22-07) | 1,300 | 5,600 |
| MW-3 | (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 |
| | (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 | (09-23-07) | <100 | <0.50 |
| MW-4 | (07-08-07) | <100 | <0.50 |
| | (03-24-07) | 120 | <0.50 |
| | (01-04-07) | <100 | <0.50 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (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 | (09-24-07) | 16,000 (6,100) Silica Gel Cleanup | 490 |
| MW-5 | (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 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (09-17-00) | 44,000 | 490 |
| MW-6 | (09-23-07) | 1,200 | 2.8 |
| MW-6 | (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 |
| | (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 |
| 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 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (09-17-00) | 220,000 | 32,000 |
| MW-8 | (09-21-07) | <100 | <0.5 |
| MW-8 | (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 |
| | (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 | (09-21-07) | <100 | <0.5 |
| MW-9 | (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 |

| 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-10 | (09-21-07) | <100 | <0.5 |
| MW-10 | (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 | (09-22-07) | 31,000 (21,000) Silica Gel Cleanup | 2,000 |
| MW-11 | (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 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (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 | (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 | (09-24-07) | 84,000<br>(27,000)<br>Silica Gel Cleanup | 5,400 |
| EW-13 | (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 | (09-23-07) | 41,000<br>(19,000)<br>Silica Gel Cleanup | 9,900 |
| EW-14 | (07-09-07) | 54,000 | 14,000 |
| | (03-25-07) | 25,000 | 5,400 |
| | (01-04-07) | 30,000 | 7,000 |
| | (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 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (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 | (09-23-07) | 59,000 | 14,000 |
| EW-15 | (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 | (09-22-07) | 2,200 (680) Silica Gel Cleanup | 4.2 |
| EW-16 | (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 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (08-08-04) | 2,500 | 590 |
| | (01-21-04) | 1,500 | 290 |
| EW-17 | (09-23-07) | 26,000 (6,800) Silica Gel Cleanup | 5,300 |
| EW-17 | (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 | (09-22-07) | <100 | <0.5 |
| BM | (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 | (09-22-07) | <100 | <0.50 |
| BH | (07-07-07) | <100 | <0.50 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (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 | (09-22-07) | 7,300 (3,200) Silica Gel Cleanup | 2,600 |
| 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 | (09-22-07) | <100 | 8.6 |
| BL | (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 |

| Well Identification | Date | GROs | Benzene |
|---|---|---|---|
| | (08-22-05) | <100 | 17 |
| BG | (09-22-07) | <100 | <0.5 |
| BG | (07-07-07) | <100 | <0.5 |
| | (03-22-07) | 120 | <0.5 |
| | (01-05-07) | <100 | <0.5 |
| | (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 | (09-22-07) | 450 | 18 |
| BK | (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 | (09-22-07) | 150 | 4.0 |
| BJ | (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 |

# Table 3A
# Background Water Quality Parameters in Groundwater
# Super Crown Catering, Inc.
(All constituents in PPM unless otherwise indicated)

| Well ID | Iodine | Sulfide | TOC | Methane Dissolved | Boron | Calcium | Chromium | Mag-nesium | Iron Total |
|---|---|---|---|---|---|---|---|---|---|
| MW-10 | <0.020 | 0.083 | 3.5 | <0.002 | <0.2 | 40 | 0.10 | 26 | 38 |
| MW-9 | 0.021 | 0.074 | 3.6 | <0.002 | <0.2 | 22 | 0.068 | 2.0 | 26 |
| MW-8 | 0.021 | 0.083 | <3.0 | 0.170 | 0.26 | 26 | 0.051 | 4.4 | 20 |
| BH | 0.021 | 0.061 | 5.9 | 0.017 | 0.25 | 87 | 0.35 | <0.05 | 140 |
| BM | 0.150 | 0.066 | 3.9 | <0.002 | <0.2 | 92 | 1.1 | 120 | 400 |
| BL | 0.080 | 0.077 | 3.9 | 0.0024 | <0.2 | 27 | 0.12 | 25 | 43 |
| BG | 0.057 | 0.083 | 5.5 | 0.130 | 0.32 | 85 | 0.13 | 74 | 46 |
| BJ | - | - | - | <0.002 | - | - | - | - | - |
| BK | 0.083 | 0.083 | 8.5 | 0.0059 | <0.2 | 64 | 0.43 | 30 | 130 |
| BF | - | - | - | 0.380 | - | - | - | - | - |
| MW-11 | - | - | - | 15 | - | - | - | - | - |
| EW-16 | - | - | | 5.6 | - | - | - | - | - |
| MW-3 | 0.220 | 0.077 | 10 | 14 | 0.24 | 33 | <0.05 | 34 | 50 |
| MW-4 | - | 0.055 | 3.8 | 0.005 | - | - | - | - | - |
| MW-6 | - | - | - | 3.6 | - | - | - | - | - |
| MW-1 | - | 0.085 | 14 | 23 | - | - | - | - | - |
| MW-2 | - | - | - | 33 | - | - | - | - | - |
| EW-15 | - | 0.061 | 57 | 24 | - | - | - | - | - |
| EW-17 | - | 0.066 | 17 | 100 | - | - | - | - | - |
| EW-14 | - | 0.068 | 20 | 62 | - | - | - | - | - |
| EW-13 | - | 0.068 | 20 | 22 | - | - | - | - | - |
| MW-5 | - | 0.068 | 20 | 8.4 | - | - | - | - | - |

# Table 3B
## Background Water Quality Parameters in Groundwater
## Super Crown Catering, Inc.
(All constituents in PPM unless otherwise indicated)

| Well ID | Potassium | Sodium | Bromide | Chloride | Fluoride | Nitrate as N | Sulfate | Ferrous Iron | TDS | Bicarbonate |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-10 | 5 | 11 | <0.1 | 8.5 | <0.5 | 0.80 | 25 | <0.1 | 190 | 90 |
| MW-9 | 4 | 24 | <0.1 | 6.3 | <0.5 | 0.41 | 21 | <0.1 | 140 | 120 |
| MW-8 | 4.8 | 55 | <0.1 | 23 | <0.5 | 7.5 | 70 | <0.1 | 330 | 110 |
| BH | 18 | 76 | 0.51 | 90 | <0.5 | 1.6 | 43 | <0.1 | 530 | 370 |
| BM | 39 | 47 | <0.1 | 28 | <0.5 | 5.1 | 14 | 1.6 | 280 | 200 |
| BL | 6.2 | 14 | <0.1 | 10 | <0.5 | 2.8 | 15 | <0.1 | 220 | 130 |
| BG | 9.4 | 64 | 0.78 | 54 | <0.5 | 0.21 | 12 | <0.1 | 570 | 520 |
| MW-11 | - | - | <0.1 | 18 | <0.5 | <0.1 | <0.5 | 1.6 | 290 | 200 |
| BK | 19 | 11 | - | - | - | - | - | - | - | - |
| MW-3 | 5 | 50 | 0.78 | 15 | <0.5 | 0.19 | 1.4 | <0.1 | 350 | 390 |
| MW-4 | - | - | <0.1 | 8.7 | <0.5 | 1.3 | 19 | <0.1 | 230 | 120 |
| MW-5 | - | - | 0.19 | 9.9 | <0.5 | <0.1 | 4.5 | 1.8 | 190 | 170 |
| MW-6 | - | - | <0.1 | 10 | <0.5 | <0.1 | 91 | 0.14 | 340 | 140 |
| MW-1 | - | - | 0.38 | 10 | <0.5 | 0.19 | 52 | 1.9 | 420 | 420 |
| MW-2 | - | - | 0.63 | 13 | <0.5 | <0.1 | 7.2 | 1.6 | 490 | 480 |
| EW-14 | - | - | 0.87 | 50 | <0.5 | 0.19 | 1.6 | 2.2 | 760 | 700 |
| EW-17 | - | - | 0.94 | 20 | <0.5 | <0.1 | 5.6 | 1.6 | 670 | 610 |
| EW-13 | - | - | <0.1 | 2.1 | <0.5 | <0.1 | <0.5 | 1.9 | 180 | 150 |

# Appendix A

# Sampling Event Sheets

# Sampling Event Logs - Chun - Sept 21, 22, 23, 24, 2007

| MW-10 | DTW 6.11' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-21-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 70.0 | 789 | 6.8 | 1:00 pm | |
| | | 2.0 | 70.2 | 807 | 6.8 | 1:25 | |
| | | 2.0 | 70.4 | 823 | 6.8 | 1:50 pm | |
| | | | | | | | |
| | | | | | | | |

| EW-16 | DTW 10.06' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 5.0 | 71.0 | 927 | 7.0 | 4:10 0m | |
| | | 4.0 | 71.1 | 936 | 7.0 | 4:35 | |
| | | 4.0 | 70.9 | 945 | 7.1 | 5:10 pm | |
| | | | | | | | |
| | | | | | | | |

| MW-9 | DTW 5.94' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 70.1 | 929 | 7.0 | 2:10 pm | 09-21-07 |
| | | 2.0 | 70.0 | 934 | 7.0 | 2:25 | |
| | | 2.0 | 69.9 | 938 | 7.0 | 3:00 pm | |
| | | | | | | | |
| | | | | | | | |

| MW-3 | DTW 9.11' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 69.9 | 876 | 7.0 | 5:15 pm | |
| | | 2.0 | 70.1 | 887 | 7.0 | 6:00 | |
| | | 2.0 | 70.6 | 991 | 7.0 | 6:25 pm | |
| | | | | | | | |
| | | | | | | | |

| MW-8 | DTW 8.53' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-21-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 72.1 | 878 | 7.0 | 3:25 pm | |
| | | 2.0 | 72.4 | 876 | 7.0 | 3:45 | |
| | | 2.0 | 72.9 | 866 | 7.0 | 4:20 pm | |
| | | | | | | | |
| | | | | | | | |

| MW-4 | DTW 8.40' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-23-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 69.6 | 915 | 7.0 | 8:25 am | |
| | | 2.0 | 69.7 | 921 | 7.1 | 8:45 am | |
| | | 2.0 | 69.8 | 931 | 7.1 | 9:10 am | |
| | | | | | | | |
| | | | | | | | |

| BH | DTW 9.55' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 3.0 | 69.9 | 781 | 6.8 | 7:35 am | |
| | | 3.0 | 69.2 | 778 | 6.8 | 8:10 | |
| | | 2.0 | 69.5 | 771 | 6.8 | 8:40 am | |
| | | | | | | | |
| | | | | | | | |

| MW-6 | DTW 8.60' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-23-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 70.9 | 988 | 7.1 | 9:35 am | |
| | | 2.0 | 71.1 | 998 | 7.1 | 10:00 | |
| | | 2.0 | 71.2 | 1008 | 7.1 | 10:25 am | |
| | | | | | | | |
| | | | | | | | |

| BM | DTW 9.39' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 3.0 | 65.5 | 680 | 6.9 | 9:05 am | |
| | | 3.0 | 65.9 | 688 | 6.9 | 9:35 | |
| | | 2.0 | 66.9 | 690 | 6.9 | 10:15 am | |
| | | | | | | | |
| | | | | | | | |

| MW-1 | DTW 8.22' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-23-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 70.8 | 873 | 6.9 | 10:55 am | |
| | | 2.0 | 71.0 | 888 | 7.0 | 11:15 | |
| | | 2.0 | 71.3 | 898 | 7.1 | 11:40 am | |
| | | | | | | | |
| | | | | | | | |

| BL | DTW 9.66' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 3.0 | 70.4 | 998 | 6.9 | 10:35 am | |
| | | 3.0 | 70.7 | 1001 | 6.9 | 11:05 | |
| | | 2.0 | 70.8 | 1011 | 6.9 | 11:35 am | |
| | | | | | | | |
| | | | | | | | |

| MW-2 | DTW 8.42' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-23-07 |
|---|---|---|---|---|---|---|---|
| | | 1.5 | 71.1 | 966 | 6.9 | 12:00 pm | |
| | | 2.0 | 71.3 | 969 | 7.0 | 12:25 | |
| | | 2.0 | 71.5 | 981 | 7.1 | 12:55 pm | |
| | | | | | | | |
| | | | | | | | |

| BG | DTW 9.99' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 69.1 | 1011 | 7.0 | 12:00 pm | |
| | | 2.0 | 69.2 | 1013 | 7.0 | 12:30 | |
| | | 2.0 | 69.5 | 1021 | 7.0 | 12:55 pm | |
| | | | | | | | |
| | | | | | | | |

| EW-15 | DTW 9.10' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-23-07 |
|---|---|---|---|---|---|---|---|
| | | 4.5 | 70.1 | 788 | 6.8 | 1:15 pm | |
| | | 4.5 | 70.1 | 801 | 6.8 | 1:45 | |
| | | 4.5 | 70.5 | 821 | 6.8 | 2:20 pm | |
| | | | | | | | |
| | | | | | | | |

| BJ | DTW 5.60' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 69.5 | 1121 | 7.0 | 1:05 am | |
| | | 1.5 | 69.9 | 1122 | 7.1 | 1:20 pm | |
| | | 1.5 | 69.9 | 1102 | 7.1 | 1:30 pm | |
| | | | | | | | |
| | | | | | | | |

| EW-17 | DTW 9.26' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-23-07 |
|---|---|---|---|---|---|---|---|
| | | 5.0 | 70.1 | 899 | 7.0 | 2:45 pm | |
| | | 5.0 | 69.9 | 921 | 7.0 | 3:05 | |
| | | 4.0 | 69.8 | 931 | 6.9 | 3:45 pm | |
| | | | | | | | |
| | | | | | | | |

| BK | DTW 5.87' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 70.2 | 888 | 7.0 | 1:40 pm | |
| | | 1.5 | 70.3 | 889 | 7.0 | 1:55 | |
| | | 1.5 | 70.7 | 909 | 7.0 | 2:05 pm | |
| | | | | | | | |
| | | | | | | | |

| EW-14 | DTW 9.61' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-23-07 |
|---|---|---|---|---|---|---|---|
| | | 4.0 | 70.0 | 844 | 7.0 | 4:45 pm | |
| | | 4.0 | 69.9 | 853 | 7.0 | 5:20 | |
| | | 4.0 | 69.8 | 865 | 7.0 | 6:00 pm | |
| | | | | | | | |
| | | | | | | | |

| BF | DTW 9.60' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 66.9 | 787 | 7.0 | 2:15 pm | |
| | | 1.5 | 67.5 | 790 | 7.0 | 2:35 | |
| | | 1.5 | 67.9 | 799 | 7.0 | 2:50 pm | |
| | | | | | | | |
| | | | | | | | |

| EW-13 | DTW 9.10' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-24-07 |
|---|---|---|---|---|---|---|---|
| | | 5.0 | 70.3 | 779 | 7.0 | 3:35 pm | |
| | | 4.0 | 70.5 | 789 | 7.0 | 4:10 | |
| | | 4.0 | 71.1 | 799 | 7.1 | 4:50 pm | |
| | | | | | | | |
| | | | | | | | |

| MW-11 | DTW 9.25' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-22-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 70.0 | 991 | 7.0 | 3:15 pm | |
| | | 2.0 | 70.1 | 998 | 7.0 | 3:30 | |
| | | 2.0 | 70.8 | 1001 | 7.0 | 3:45 pm | |
| | | | | | | | |
| | | | | | | | |

| MW-5 | DTW 8.00' | Gallons purged | TEMP C/F (Circle One) | EC (us/cm) | PH | TIME | 09-24-07 |
|---|---|---|---|---|---|---|---|
| | | 2.0 | 70.2 | 899 | 7.0 | 5:15 pm | |
| | | 2.0 | 70.8 | 903 | 7.0 | 5:35 pm | |
| | | 2.0 | 71.0 | 913 | 7.0 | 5:55 pm | |
| | | | | | | | |
| | | | | | | | |

# Appendix B

# Laboratory Data Sheets

AMERICAN ANALYTICS

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

October 22, 2007

Frank Goldman

Chun

265 Heron Drive

Pittsburg, CA 94565

**Re : Chun**

**A57221 / 7I27003**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/27/07 12:03 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:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| **Alkalinity SM2320B** | | | | | |
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |
| **Bromide by Ion Chromatography** | | | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |

**Chloride by Ion Chromatography**

| | | | | | |
|---|---|---|---|---|---|
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |
| **Ferrous Iron** | | | | | |
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |
| **Fluoride by Ion Chromatography** | | | | | |
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |
| **Nitrate as N by Ion Chromatography** | | | | | |
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |
| **Sulfate by Ion Chromatography** | | | | | |
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |
| **TDS-160.1** | | | | | |
| MW-9 | 7I27003-01 | Water | 10 | 09/26/07 12:02 | 09/27/07 12:51 |
| MW-10 | 7I27003-02 | Water | 10 | 09/26/07 12:20 | 09/27/07 12:51 |
| MW-8 | 7I27003-03 | Water | 10 | 09/26/07 12:55 | 09/27/07 12:51 |
| BH | 7I27003-04 | Water | 10 | 09/26/07 13:10 | 09/27/07 12:51 |
| BM | 7I27003-05 | Water | 10 | 09/26/07 14:02 | 09/27/07 12:51 |
| BL | 7I27003-06 | Water | 10 | 09/26/07 14:15 | 09/27/07 12:51 |
| BG | 7I27003-07 | Water | 10 | 09/26/07 14:35 | 09/27/07 12:51 |
| MW-11 | 7I27003-08 | Water | 10 | 09/26/07 14:55 | 09/27/07 12:51 |
| MW-3 | 7I27003-09 | Water | 10 | 09/26/07 15:30 | 09/27/07 12:51 |
| MW-4 | 7I27003-10 | Water | 10 | 09/26/07 15:40 | 09/27/07 12:51 |
| MW-5 | 7I27003-11 | Water | 10 | 09/26/07 16:00 | 09/27/07 12:51 |
| MW-6 | 7I27003-12 | Water | 10 | 09/26/07 16:20 | 09/27/07 12:51 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| MW-1 | 7I27003-13 | Water | 10 | 09/26/07 16:40 | 09/27/07 12:51 |
| MW-2 | 7I27003-14 | Water | 10 | 09/26/07 17:00 | 09/27/07 12:51 |
| EW-14 | 7I27003-15 | Water | 10 | 09/26/07 17:20 | 09/27/07 12:51 |
| EW-17 | 7I27003-16 | Water | 10 | 09/26/07 17:40 | 09/27/07 12:51 |
| EW-13 | 7I27003-17 | Water | 10 | 09/26/07 18:00 | 09/27/07 12:51 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Anions by Ion Chromatography

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **Bromide by Ion Chromatography (EPA 300.0)** | | | | | | | | |
| 7I27003-01 | MW-9 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-02 | MW-10 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-03 | MW-8 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-04 | BH | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.51** | mg/L | 0.1 |
| 7I27003-05 | BM | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-06 | BL | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-07 | BG | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.78** | mg/L | 0.1 |
| 7I27003-08 | MW-11 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-09 | MW-3 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.78** | mg/L | 0.1 |
| 7I27003-10 | MW-4 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-11 | MW-5 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.19** | mg/L | 0.1 |
| 7I27003-12 | MW-6 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-13 | MW-1 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.38** | mg/L | 0.1 |
| 7I27003-14 | MW-2 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.63** | mg/L | 0.1 |
| 7I27003-15 | EW-14 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.87** | mg/L | 0.1 |
| 7I27003-16 | EW-17 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.94** | mg/L | 0.1 |
| 7I27003-17 | EW-13 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| **Chloride by Ion Chromatography (EPA 300.0)** | | | | | | | | |
| 7I27003-01 | MW-9 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **6.3** | mg/L | 0.5 |
| 7I27003-02 | MW-10 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **8.5** | mg/L | 0.5 |
| 7I27003-03 | MW-8 | 09/26/07 | 09/27/07 | 09/27/07 | 10 | **23** | mg/L | 0.5 |
| 7I27003-04 | BH | 09/26/07 | 09/27/07 | 09/27/07 | 20 | **90** | mg/L | 0.5 |
| 7I27003-05 | BM | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **28** | mg/L | 0.5 |
| 7I27003-06 | BL | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **10** | mg/L | 0.5 |
| 7I27003-07 | BG | 09/26/07 | 10/11/07 | 10/11/07 | 10 | **54** | mg/L | 0.5 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Anions by Ion Chromatography

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **Chloride by Ion Chromatography (EPA 300.0)** | | | | | | | | |
| 7I27003-08 | MW-11 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **18** | mg/L | 0.5 |
| 7I27003-09 | MW-3 | 09/26/07 | 09/27/07 | 09/27/07 | 2 | **15** | mg/L | 0.5 |
| 7I27003-10 | MW-4 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **8.7** | mg/L | 0.5 |
| 7I27003-11 | MW-5 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **9.9** | mg/L | 0.5 |
| 7I27003-12 | MW-6 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **10** | mg/L | 0.5 |
| 7I27003-13 | MW-1 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **10** | mg/L | 0.5 |
| 7I27003-14 | MW-2 | 09/26/07 | 10/11/07 | 10/11/07 | 2 | **13** | mg/L | 0.5 |
| 7I27003-15 | EW-14 | 09/26/07 | 10/11/07 | 10/11/07 | 15 | **50** | mg/L | 0.5 |
| 7I27003-16 | EW-17 | 09/26/07 | 10/11/07 | 10/11/07 | 10 | **20** | mg/L | 0.5 |
| 7I27003-17 | EW-13 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **2.1** | mg/L | 0.5 |
| **Fluoride by Ion Chromatography (EPA 300.0)** | | | | | | | | |
| 7I27003-01 | MW-9 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-02 | MW-10 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-03 | MW-8 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-04 | BH | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-05 | BM | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-06 | BL | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-07 | BG | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-08 | MW-11 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-09 | MW-3 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-10 | MW-4 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-11 | MW-5 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-12 | MW-6 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-13 | MW-1 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-14 | MW-2 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Anions by Ion Chromatography

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **Fluoride by Ion Chromatography (EPA 300.0)** | | | | | | | | |
| 7I27003-15 | EW-14 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-16 | EW-17 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-17 | EW-13 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| **Nitrate as N by Ion Chromatography (EPA 300.0)** | | | | | | | | |
| 7I27003-01 | MW-9 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.41** | mg/L | 0.1 |
| 7I27003-02 | MW-10 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.80** | mg/L | 0.1 |
| 7I27003-03 | MW-8 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **7.5** | mg/L | 0.1 |
| 7I27003-04 | BH | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **1.6** | mg/L | 0.1 |
| 7I27003-05 | BM | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **5.1** | mg/L | 0.1 |
| 7I27003-06 | BL | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **2.8** | mg/L | 0.1 |
| 7I27003-07 | BG | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.21** | mg/L | 0.1 |
| 7I27003-08 | MW-11 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-09 | MW-3 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.19** | mg/L | 0.1 |
| 7I27003-10 | MW-4 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **1.3** | mg/L | 0.1 |
| 7I27003-11 | MW-5 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-12 | MW-6 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-13 | MW-1 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.19** | mg/L | 0.1 |
| 7I27003-14 | MW-2 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-15 | EW-14 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.19** | mg/L | 0.1 |
| 7I27003-16 | EW-17 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-17 | EW-13 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| **Sulfate by Ion Chromatography (EPA 300.0)** | | | | | | | | |
| 7I27003-01 | MW-9 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **21** | mg/L | 0.5 |
| 7I27003-02 | MW-10 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **25** | mg/L | 0.5 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Anions by Ion Chromatography

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

## Sulfate by Ion Chromatography (EPA 300.0)

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| 7I27003-03 | MW-8 | 09/26/07 | 09/27/07 | 09/27/07 | 10 | **70** | mg/L | 0.5 |
| 7I27003-04 | BH | 09/26/07 | 09/27/07 | 09/27/07 | 20 | **43** | mg/L | 0.5 |
| 7I27003-05 | BM | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **14** | mg/L | 0.5 |
| 7I27003-06 | BL | 09/26/07 | 09/27/07 | 09/27/07 | 2 | **15** | mg/L | 0.5 |
| 7I27003-07 | BG | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **12** | mg/L | 0.5 |
| 7I27003-08 | MW-11 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |
| 7I27003-09 | MW-3 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **1.4** | mg/L | 0.5 |
| 7I27003-10 | MW-4 | 09/26/07 | 09/27/07 | 09/27/07 | 2 | **19** | mg/L | 0.5 |
| 7I27003-11 | MW-5 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **4.5** | mg/L | 0.5 |
| 7I27003-12 | MW-6 | 09/26/07 | 10/11/07 | 10/11/07 | 10 | **91** | mg/L | 0.5 |
| 7I27003-13 | MW-1 | 09/26/07 | 10/11/07 | 10/11/07 | 5 | **52** | mg/L | 0.5 |
| 7I27003-14 | MW-2 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **7.2** | mg/L | 0.5 |
| 7I27003-15 | EW-14 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **1.6** | mg/L | 0.5 |
| 7I27003-16 | EW-17 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **5.6** | mg/L | 0.5 |
| 7I27003-17 | EW-13 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.50 | mg/L | 0.5 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** General Chemistry Analyses

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **Ferrous Iron (SM 3500)** | | | | | | | | |
| 7I27003-01 | MW-9 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-02 | MW-10 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-03 | MW-8 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-04 | BH | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-05 | BM | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **1.6** | mg/L | 0.1 |
| 7I27003-06 | BL | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-07 | BG | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-08 | MW-11 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **1.6** | mg/L | 0.1 |
| 7I27003-09 | MW-3 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-10 | MW-4 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | <0.10 | mg/L | 0.1 |
| 7I27003-11 | MW-5 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **1.8** | mg/L | 0.1 |
| 7I27003-12 | MW-6 | 09/26/07 | 09/27/07 | 09/27/07 | 1 | **0.14** | mg/L | 0.1 |
| 7I27003-13 | MW-1 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **1.9** | mg/L | 0.1 |
| 7I27003-14 | MW-2 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **1.6** | mg/L | 0.1 |
| 7I27003-15 | EW-14 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **2.2** | mg/L | 0.1 |
| 7I27003-16 | EW-17 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **1.6** | mg/L | 0.1 |
| 7I27003-17 | EW-13 | 09/26/07 | 09/27/07 | 09/27/07 | 5 | **1.9** | mg/L | 0.1 |
| **TDS-160.1 (EPA 160.1)** | | | | | | | | |
| 7I27003-01 | MW-9 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **190** | mg/L | 10 |
| 7I27003-02 | MW-10 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **140** | mg/L | 10 |
| 7I27003-03 | MW-8 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **330** | mg/L | 10 |
| 7I27003-04 | BH | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **530** | mg/L | 10 |
| 7I27003-05 | BM | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **280** | mg/L | 10 |
| 7I27003-06 | BL | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **220** | mg/L | 10 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** General Chemistry Analyses

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **TDS-160.1 (EPA 160.1)** | | | | | | | | |
| 7I27003-07 | BG | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **570** | mg/L | 10 |
| 7I27003-08 | MW-11 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **290** | mg/L | 10 |
| 7I27003-09 | MW-3 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **350** | mg/L | 10 |
| 7I27003-10 | MW-4 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **230** | mg/L | 10 |
| 7I27003-11 | MW-5 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **190** | mg/L | 10 |
| 7I27003-12 | MW-6 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **340** | mg/L | 10 |
| 7I27003-13 | MW-1 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **420** | mg/L | 10 |
| 7I27003-14 | MW-2 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **490** | mg/L | 10 |
| 7I27003-15 | EW-14 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **760** | mg/L | 10 |
| 7I27003-16 | EW-17 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **670** | mg/L | 10 |
| 7I27003-17 | EW-13 | 09/26/07 | 10/03/07 | 10/03/07 | 1 | **180** | mg/L | 10 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Alkalinity by SM2320B Titrimetic

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** mg/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/26/07 | 09/26/07 | 09/26/07 | 09/26/07 | |
| **Date Prepared:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **Date Analyzed:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **AA ID No:** | 7I27003-01 | 7I27003-02 | 7I27003-03 | 7I27003-04 | |
| **Client ID No:** | MW-9 | MW-10 | MW-8 | BH | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 1 | 1 | MRL |
| **Alkalinity SM2320B (SM2320B)** | | | | | |
| Total Alkalinity | **120** | **90** | **110** | **370** | 2.0 |
| Bicarbonate Alkalinity | **120** | **90** | **110** | **370** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Alkalinity by SM2320B Titrimetic

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** mg/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/26/07 | 09/26/07 | 09/26/07 | 09/26/07 | |
| **Date Prepared:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **Date Analyzed:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **AA ID No:** | 7I27003-05 | 7I27003-06 | 7I27003-07 | 7I27003-08 | |
| **Client ID No:** | BM | BL | BG | MW-11 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 1 | 1 | MRL |
| **Alkalinity SM2320B (SM2320B)** | | | | | |
| Total Alkalinity | **200** | **130** | **520** | **200** | 2.0 |
| Bicarbonate Alkalinity | **200** | **130** | **520** | **200** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Alkalinity by SM2320B Titrimetic

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** mg/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/26/07 | 09/26/07 | 09/26/07 | 09/26/07 | |
| **Date Prepared:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **Date Analyzed:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **AA ID No:** | 7I27003-09 | 7I27003-10 | 7I27003-11 | 7I27003-12 | |
| **Client ID No:** | MW-3 | MW-4 | MW-5 | MW-6 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 1 | 1 | MRL |
| **Alkalinity SM2320B (SM2320B)** | | | | | |
| Total Alkalinity | **390** | **120** | **170** | **140** | 2.0 |
| Bicarbonate Alkalinity | **390** | **120** | **170** | **140** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Alkalinity by SM2320B Titrimetic

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** mg/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/26/07 | 09/26/07 | 09/26/07 | 09/26/07 | |
| **Date Prepared:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **Date Analyzed:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **AA ID No:** | 7I27003-13 | 7I27003-14 | 7I27003-15 | 7I27003-16 | |
| **Client ID No:** | MW-1 | MW-2 | EW-14 | EW-17 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 1 | 1 | MRL |
| **Alkalinity SM2320B (SM2320B)** | | | | | |
| Total Alkalinity | **420** | **480** | **700** | **610** | 2.0 |
| Bicarbonate Alkalinity | **420** | **480** | **700** | **610** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

| | | | |
|---|---|---|---|
| **Client:** | Chun | **AA Project No:** | A57221 |
| **Project No:** | NA | **Date Received:** | 09/27/07 |
| **Project Name:** | Chun | **Date Reported:** | 10/22/07 |
| **Method:** | Alkalinity by SM2320B Titrimetic | **Units:** | mg/L |

| | | |
|---|---|---|
| **Date Sampled:** | 09/26/07 | |
| **Date Prepared:** | 10/03/07 | |
| **Date Analyzed:** | 10/03/07 | |
| **AA ID No:** | 7I27003-17 | |
| **Client ID No:** | EW-13 | |
| **Matrix:** | Water | |
| **Dilution Factor:** | 1 | MRL |

**Alkalinity SM2320B (SM2320B)**

| | | |
|---|---|---|
| Total Alkalinity | **150** | 2.0 |
| Bicarbonate Alkalinity | **150** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Anions by Ion Chromatography - Quality Control** | | | | | | | | | | |
| *Batch B7J0307 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0307-BLK1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Nitrate as N | <0.10 | 0.10 | mg/L | | | | | | | |
| **LCS (B7J0307-BS1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Nitrate as N | **4.74** | 0.10 | mg/L | 5.00 | | 94.8 | 90-110 | | | |
| **LCS Dup (B7J0307-BSD1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Nitrate as N | **4.82** | 0.10 | mg/L | 5.00 | | 96.4 | 90-110 | 1.67 | 20 | |
| **Duplicate (B7J0307-DUP1)** | | **Source: 7I27003-07** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Nitrate as N | **0.214** | 0.10 | mg/L | | 0.21 | | | 1.89 | 200 | |
| **Matrix Spike (B7J0307-MS1)** | | **Source: 7I27003-02** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Nitrate as N | **1.61** | 0.10 | mg/L | 1.00 | 0.80 | 81.0 | 80-120 | | | |
| **Matrix Spike Dup (B7J0307-MSD1)** | | **Source: 7I27003-02** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Nitrate as N | **1.62** | 0.10 | mg/L | 1.00 | 0.80 | 82.0 | 80-120 | 0.619 | 30 | |
| *Batch B7J0818 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0818-BLK1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Bromide | <0.10 | 0.10 | mg/L | | | | | | | |
| **LCS (B7J0818-BS1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Bromide | **4.87** | 0.10 | mg/L | 5.00 | | 97.4 | 90-110 | | | |
| **LCS Dup (B7J0818-BSD1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Bromide | **4.87** | 0.10 | mg/L | 5.00 | | 97.4 | 90-110 | 0.00 | 20 | |
| **Duplicate (B7J0818-DUP1)** | | **Source: 7I27003-07** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Bromide | **0.860** | 0.10 | mg/L | | 0.78 | | | 9.76 | 200 | |
| **Matrix Spike (B7J0818-MS1)** | | **Source: 7I27003-02** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Bromide | **0.914** | 0.10 | mg/L | 1.00 | <0.10 | 91.4 | 80-120 | | | |
| **Matrix Spike Dup (B7J0818-MSD1)** | | **Source: 7I27003-02** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Bromide | **0.967** | 0.10 | mg/L | 1.00 | <0.10 | 96.7 | 80-120 | 5.64 | 30 | |
| *Batch B7J0819 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0819-BLK1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Fluoride | <0.50 | 0.50 | mg/L | | | | | | | |
| **LCS (B7J0819-BS1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Fluoride | **5.26** | 0.50 | mg/L | 5.00 | | 105 | 90-110 | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Anions by Ion Chromatography - Quality Control** | | | | | | | | | | |
| *Batch B7J0819 - NO PREP* | | | | | | | | | | |
| **LCS Dup (B7J0819-BSD1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Fluoride | **5.37** | 0.50 | mg/L | 5.00 | | 107 | 90-110 | 2.07 | 30 | |
| **Duplicate (B7J0819-DUP1)** | | **Source: 7I27003-07** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Fluoride | **<0.50** | 0.50 | mg/L | | <0.50 | | | | 200 | |
| **Matrix Spike (B7J0819-MS1)** | | **Source: 7I27003-02** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Fluoride | **1.05** | 0.50 | mg/L | 1.00 | <0.50 | 105 | 80-120 | | | |
| **Matrix Spike Dup (B7J0819-MSD1)** | | **Source: 7I27003-02** | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Fluoride | **1.07** | 0.50 | mg/L | 1.00 | <0.50 | 107 | 80-120 | 1.89 | 40 | |
| *Batch B7J0820 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0820-BLK1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Chloride | <0.50 | 0.50 | mg/L | | | | | | | |
| **LCS (B7J0820-BS1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Chloride | **4.59** | 0.50 | mg/L | 5.00 | | 91.8 | 90-110 | | | |
| **LCS Dup (B7J0820-BSD1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Chloride | **4.66** | 0.50 | mg/L | 5.00 | | 93.2 | 90-110 | 1.51 | 30 | |
| *Batch B7J0821 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0821-BLK1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Sulfate | <0.50 | 0.50 | mg/L | | | | | | | |
| **LCS (B7J0821-BS1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Sulfate | **4.61** | 0.50 | mg/L | 5.00 | | 92.2 | 90-110 | | | |
| **LCS Dup (B7J0821-BSD1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Sulfate | **4.69** | 0.50 | mg/L | 5.00 | | 93.8 | 90-110 | 1.72 | 20 | |
| *Batch B7J1210 - NO PREP* | | | | | | | | | | |
| **Blank (B7J1210-BLK1)** | | | | Prepared & Analyzed: 11/12/07 | | | | | | |
| Chloride | <0.50 | 0.50 | mg/L | | | | | | | |
| **LCS (B7J1210-BS1)** | | | | Prepared & Analyzed: 11/12/07 | | | | | | |
| Chloride | **4.67** | 0.50 | mg/L | 5.00 | | 93.4 | 90-110 | | | |
| **LCS Dup (B7J1210-BSD1)** | | | | Prepared & Analyzed: 11/12/07 | | | | | | |
| Chloride | **4.82** | 0.50 | mg/L | 5.00 | | 96.4 | 90-110 | 3.16 | 30 | |
| *Batch B7J1211 - NO PREP* | | | | | | | | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Anions by Ion Chromatography - Quality Control** | | | | | | | | | | |
| *Batch B7J1211 - NO PREP* | | | | | | | | | | |
| **Blank (B7J1211-BLK1)** | | | | Prepared & Analyzed: 10/11/07 | | | | | | |
| Sulfate | <0.50 | 0.50 | mg/L | | | | | | | |
| **LCS (B7J1211-BS1)** | | | | Prepared & Analyzed: 10/11/07 | | | | | | |
| Sulfate | **4.72** | 0.50 | mg/L | 5.00 | | 94.4 | 90-110 | | | |
| **LCS Dup (B7J1211-BSD1)** | | | | Prepared & Analyzed: 10/11/07 | | | | | | |
| Sulfate | **5.44** | 0.50 | mg/L | 5.00 | | 109 | 90-110 | 14.2 | 20 | |
| **General Chemistry Analyses - Quality Control** | | | | | | | | | | |
| *Batch B7I2802 - Default Prep Metals* | | | | | | | | | | |
| **Blank (B7I2802-BLK1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Ferrous Iron | <0.10 | 0.10 | mg/L | | | | | | | |
| **LCS (B7I2802-BS1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Ferrous Iron | **0.186** | 0.10 | mg/L | 0.200 | | 93.0 | 80-120 | | | |
| **LCS Dup (B7I2802-BSD1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Ferrous Iron | **0.191** | 0.10 | mg/L | 0.200 | | 95.5 | 80-120 | 2.65 | 20 | |
| *Batch B7J1213 - NO PREP* | | | | | | | | | | |
| **Blank (B7J1213-BLK1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Total Dissolved Solids | <10 | 10 | mg/L | | | | | | | |
| **LCS (B7J1213-BS1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Total Dissolved Solids | **54.0** | 10 | mg/L | 50.0 | | 108 | 80-120 | | | |
| **LCS Dup (B7J1213-BSD1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Total Dissolved Solids | **50.0** | 10 | mg/L | 50.0 | | 100 | 80-120 | 7.69 | 25 | |
| **Alkalinity by SM2320B Titrimetic - Quality Control** | | | | | | | | | | |
| *Batch B7J0418 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0418-BLK1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Total Alkalinity | <2.0 | 2.0 | mg/L | | | | | | | |
| Bicarbonate Alkalinity | <2.0 | 2.0 | mg/L | | | | | | | |
| **LCS (B7J0418-BS1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Total Alkalinity | **1030** | 2.0 | mg/L | 1000 | | 103 | 80-120 | | | |
| **LCS Dup (B7J0418-BSD1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Total Alkalinity | **1040** | 2.0 | mg/L | 1000 | | 104 | 80-120 | 0.966 | 20 | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Alkalinity by SM2320B Titrimetic - Quality Control** | | | | | | | | | | |
| *Batch B7J0418 - NO PREP* | | | | | | | | | | |
| **Duplicate (B7J0418-DUP1)** | | | **Source: 7I27003-17** | Prepared & Analyzed: 10/03/07 | | | | | | |
| Total Alkalinity | **150** | 2.0 | mg/L | | 150 | | | 0.00 | 25 | |
| Carbonate Alkalinity | **<2.0** | 2.0 | mg/L | | <2.0 | | | | 200 | |
| Bicarbonate Alkalinity | **150** | 2.0 | mg/L | | 150 | | | 0.00 | 200 | |
| Hydroxide Alkalinity | **<2.0** | 2.0 | mg/L | | <2.0 | | | | 200 | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57221
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

**Special Notes**

**Viorel Vasile**
Operations Manager

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

**Franklin J. Goldman**
**PO BOX 59, Sonoma, CA 95476**
**FJGoldmanCHG@yahoo.com**
**FAX: (949) 606-8711**
**Cell: (707) 694-1375**

# CHAIN OF CUSTODY RECORD

A57221 / 752703 #103303

Laboratory Analysis P.O. No.
*Laboratory Please Call Accounts Payable for P.O. No.*
Date: 9/27/07 Sheet 1 Of 2

Project Name Chun
Project Number
Address 2301 Santa Clara
Alameda, CA
Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J Goldman

| Sample Number | Location | Date | Time | 8260b & Methane 5VOAs (HCL) | Metals & Iodine with HNO3 | Sulfide with NaOH preservative | TOC with H2SO4 preservative | Alkalinity, Bromide, Chloride, Fluoride, Sulfate, Nitrate, TDS | Ferrous Iron two Amber VOAs | WATER SAMPLE |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-9 | | 9/26/07 | 12:00 PM | | 752703-01 | | | X | X | X |
| MW-10 | | | 12:20 | | | | -02 | | | |
| MW-8 | | | 12:55 | | | | -03 | | | |
| BH | | | 1:10 | | | | -04 | | | |
| BM | | | 2:00 | | | | -05 | | | |
| BL | | | 2:15 | | | | -06 | | | |
| BG | | | 2:35 | | | | -07 | | | |
| MW-11 | | | 2:55 | | | | -08 | | | |
| MW-3 | | | 3:20 | | | | -09 | | | |
| MW-4 | | | 3:40 | | | | -10 | | | |

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
2 amber VOAs, 1 plastic

| Relinquished By | Date | Time |
|---|---|---|
| Franklin J Goldman | 9/27/07 | 12:00 PM |
| | | |
| Dispatched By | Date | Time |
| | | |

| Received By | Date | Time |
|---|---|---|
| J. Cee | 9/27/07 | 12:03 |
| | | |
| Received in Lab By | Date | Time |
| | | |

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements: Keep on Ice 9/27 12:50

'07 SEP 27 12:03 44

**Franklin J. Goldman**
**PO BOX 59, Sonoma, CA 95476**
**FJGoldmanCHG@yahoo.com**
**FAX: (949) 606-8711**
**Cell: (707) 694-1375**

# CHAIN OF CUSTODY RECORD

A57221/7527303 #103304

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

Date: 9/27/07 Sheet 2 Of 2

Project Name Chun
Project Number
Address 2301 Santa Clara
Alameda, CA
Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J Goldman

| Sample Number | Location | Date | Time | 8260b & Methane 5VOAs (HCL) | Metals & Iodine with HNO3 | Sulfide with NaOH preservative | TOC with H2SO4 preservative | Alkalinity, Bromide, Chloride, Fluoride, Sulfate, Nitrate, TDS | Ferrous Iron two Amber VOAs | WATER SAMPLE |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | | 9/26/07 | 4:00 | | | 7507303- | 11 | X | X | X |
| MW-6 | | | 4:20 | | | - | 12 | | | |
| MW-1 | | | 4:40 | | | - | 13 | | | |
| MW-2 | | | 5:00 | | | - | 14 | | | |
| EW-14 | | | 5:20 | | | - | 15 | | | |
| EW-17 | | | 5:40 | | | - | 16 | | | |
| EW-13 | | | 6:00 PM | | | - | 17 | | | |

Parameters

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
2 amber VOAs 1 plastic

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| Franklin J Goldman | 9/27/07 | 12:00 pm | | 9/27/7 | 12:03 |
| Dispatched By | Date | Time | Received in Lab By | Date | Time |
| | | | | | |

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements: 9/27 1200 Keep on Ice

AMERICAN ANALYTICS

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

October 22, 2007

Frank Goldman

Chun

265 Heron Drive

Pittsburg, CA 94565

**Re : Chun**

**A57222 / 7I27004**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/27/07 12:03 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| **8260B TPHGASOLINE** | | | | | |
| BF | 7I27004-10 | Water | 10 | 09/22/07 14:45 | 09/27/07 12:03 |
| MW-11 | 7I27004-11 | Water | 10 | 09/22/07 15:40 | 09/27/07 12:03 |
| EW-16 | 7I27004-12 | Water | 10 | 09/22/07 17:05 | 09/27/07 12:03 |
| MW-2 | 7I27004-17 | Water | 10 | 09/23/07 12:50 | 09/27/07 12:03 |
| EW-17 | 7I27004-19 | Water | 10 | 09/23/07 15:40 | 09/27/07 12:03 |
| EW-14 | 7I27004-20 | Water | 10 | 09/23/07 17:55 | 09/27/07 12:03 |
| EW-13 | 7I27004-21 | Water | 10 | 09/24/07 16:45 | 09/27/07 12:03 |
| MW-5 | 7I27004-22 | Water | 10 | 09/24/07 17:50 | 09/27/07 12:03 |
| **8260B+OXY+TPHG** | | | | | |
| MW-10 | 7I27004-01 | Water | 10 | 09/21/07 13:45 | 09/27/07 12:03 |
| MW-9 | 7I27004-02 | Water | 10 | 09/21/07 15:05 | 09/27/07 12:03 |
| MW-8 | 7I27004-03 | Water | 10 | 09/21/07 16:25 | 09/27/07 12:03 |
| BH | 7I27004-04 | Water | 10 | 09/22/07 08:35 | 09/27/07 12:03 |
| BM | 7I27004-05 | Water | 10 | 09/22/07 10:10 | 09/27/07 12:03 |
| BL | 7I27004-06 | Water | 10 | 09/22/07 11:30 | 09/27/07 12:03 |
| BG | 7I27004-07 | Water | 10 | 09/22/07 12:50 | 09/27/07 12:03 |
| BJ | 7I27004-08 | Water | 10 | 09/22/07 13:25 | 09/27/07 12:03 |
| BK | 7I27004-09 | Water | 10 | 09/22/07 14:00 | 09/27/07 12:03 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| BF | 7I27004-10 | Water | 10 | 09/22/07 14:45 | 09/27/07 12:03 |
| MW-11 | 7I27004-11 | Water | 10 | 09/22/07 15:40 | 09/27/07 12:03 |
| EW-16 | 7I27004-12 | Water | 10 | 09/22/07 17:05 | 09/27/07 12:03 |
| MW-3 | 7I27004-13 | Water | 10 | 09/22/07 18:20 | 09/27/07 12:03 |
| MW-4 | 7I27004-14 | Water | 10 | 09/23/07 09:05 | 09/27/07 12:03 |
| MW-6 | 7I27004-15 | Water | 10 | 09/23/07 10:20 | 09/27/07 12:03 |
| MW-1 | 7I27004-16 | Water | 10 | 09/23/07 11:35 | 09/27/07 12:03 |
| MW-2 | 7I27004-17 | Water | 10 | 09/23/07 12:50 | 09/27/07 12:03 |
| EW-15 | 7I27004-18 | Water | 10 | 09/23/07 14:15 | 09/27/07 12:03 |
| EW-17 | 7I27004-19 | Water | 10 | 09/23/07 15:40 | 09/27/07 12:03 |
| EW-14 | 7I27004-20 | Water | 10 | 09/23/07 17:55 | 09/27/07 12:03 |
| EW-13 | 7I27004-21 | Water | 10 | 09/24/07 16:45 | 09/27/07 12:03 |
| MW-5 | 7I27004-22 | Water | 10 | 09/24/07 17:50 | 09/27/07 12:03 |
| **Iodine Total EPA 200.8** | | | | | |
| MW-10 | 7I27004-01 | Water | 10 | 09/21/07 13:45 | 09/27/07 12:03 |
| MW-9 | 7I27004-02 | Water | 10 | 09/21/07 15:05 | 09/27/07 12:03 |
| MW-8 | 7I27004-03 | Water | 10 | 09/21/07 16:25 | 09/27/07 12:03 |
| BH | 7I27004-04 | Water | 10 | 09/22/07 08:35 | 09/27/07 12:03 |
| BM | 7I27004-05 | Water | 10 | 09/22/07 10:10 | 09/27/07 12:03 |
| BL | 7I27004-06 | Water | 10 | 09/22/07 11:30 | 09/27/07 12:03 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| BG | 7I27004-07 | Water | 10 | 09/22/07 12:50 | 09/27/07 12:03 |
| BK | 7I27004-09 | Water | 10 | 09/22/07 14:00 | 09/27/07 12:03 |
| MW-3 | 7I27004-13 | Water | 10 | 09/22/07 18:20 | 09/27/07 12:03 |
| **Metals Total 6000/7000** | | | | | |
| MW-10 | 7I27004-01 | Water | 10 | 09/21/07 13:45 | 09/27/07 12:03 |
| MW-9 | 7I27004-02 | Water | 10 | 09/21/07 15:05 | 09/27/07 12:03 |
| MW-8 | 7I27004-03 | Water | 10 | 09/21/07 16:25 | 09/27/07 12:03 |
| BH | 7I27004-04 | Water | 10 | 09/22/07 08:35 | 09/27/07 12:03 |
| BM | 7I27004-05 | Water | 10 | 09/22/07 10:10 | 09/27/07 12:03 |
| BL | 7I27004-06 | Water | 10 | 09/22/07 11:30 | 09/27/07 12:03 |
| BG | 7I27004-07 | Water | 10 | 09/22/07 12:50 | 09/27/07 12:03 |
| BK | 7I27004-09 | Water | 10 | 09/22/07 14:00 | 09/27/07 12:03 |
| MW-3 | 7I27004-13 | Water | 10 | 09/22/07 18:20 | 09/27/07 12:03 |
| **Methane Dissolved** | | | | | |
| MW-10 | 7I27004-01 | Water | 10 | 09/21/07 13:45 | 09/27/07 12:03 |
| MW-9 | 7I27004-02 | Water | 10 | 09/21/07 15:05 | 09/27/07 12:03 |
| MW-8 | 7I27004-03 | Water | 10 | 09/21/07 16:25 | 09/27/07 12:03 |
| BH | 7I27004-04 | Water | 10 | 09/22/07 08:35 | 09/27/07 12:03 |
| BM | 7I27004-05 | Water | 10 | 09/22/07 10:10 | 09/27/07 12:03 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| BL | 7I27004-06 | Water | 10 | 09/22/07 11:30 | 09/27/07 12:03 |
| BG | 7I27004-07 | Water | 10 | 09/22/07 12:50 | 09/27/07 12:03 |
| BJ | 7I27004-08 | Water | 10 | 09/22/07 13:25 | 09/27/07 12:03 |
| BK | 7I27004-09 | Water | 10 | 09/22/07 14:00 | 09/27/07 12:03 |
| BF | 7I27004-10 | Water | 10 | 09/22/07 14:45 | 09/27/07 12:03 |
| MW-11 | 7I27004-11 | Water | 10 | 09/22/07 15:40 | 09/27/07 12:03 |
| EW-16 | 7I27004-12 | Water | 10 | 09/22/07 17:05 | 09/27/07 12:03 |
| MW-3 | 7I27004-13 | Water | 10 | 09/22/07 18:20 | 09/27/07 12:03 |
| MW-4 | 7I27004-14 | Water | 10 | 09/23/07 09:05 | 09/27/07 12:03 |
| MW-6 | 7I27004-15 | Water | 10 | 09/23/07 10:20 | 09/27/07 12:03 |
| MW-1 | 7I27004-16 | Water | 10 | 09/23/07 11:35 | 09/27/07 12:03 |
| MW-2 | 7I27004-17 | Water | 10 | 09/23/07 12:50 | 09/27/07 12:03 |
| EW-15 | 7I27004-18 | Water | 10 | 09/23/07 14:15 | 09/27/07 12:03 |
| EW-17 | 7I27004-19 | Water | 10 | 09/23/07 15:40 | 09/27/07 12:03 |
| EW-14 | 7I27004-20 | Water | 10 | 09/23/07 17:55 | 09/27/07 12:03 |
| EW-13 | 7I27004-21 | Water | 10 | 09/24/07 16:45 | 09/27/07 12:03 |
| MW-5 | 7I27004-22 | Water | 10 | 09/24/07 17:50 | 09/27/07 12:03 |
| **Sulfide 376.2** | | | | | |
| MW-10 | 7I27004-01 | Water | 10 | 09/21/07 13:45 | 09/27/07 12:03 |
| MW-9 | 7I27004-02 | Water | 10 | 09/21/07 15:05 | 09/27/07 12:03 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| MW-8 | 7I27004-03 | Water | 10 | 09/21/07 16:25 | 09/27/07 12:03 |
| BH | 7I27004-04 | Water | 10 | 09/22/07 08:35 | 09/27/07 12:03 |
| BM | 7I27004-05 | Water | 10 | 09/22/07 10:10 | 09/27/07 12:03 |
| BL | 7I27004-06 | Water | 10 | 09/22/07 11:30 | 09/27/07 12:03 |
| BG | 7I27004-07 | Water | 10 | 09/22/07 12:50 | 09/27/07 12:03 |
| BK | 7I27004-09 | Water | 10 | 09/22/07 14:00 | 09/27/07 12:03 |
| MW-3 | 7I27004-13 | Water | 10 | 09/22/07 18:20 | 09/27/07 12:03 |
| MW-4 | 7I27004-14 | Water | 10 | 09/23/07 09:05 | 09/27/07 12:03 |
| MW-1 | 7I27004-16 | Water | 10 | 09/23/07 11:35 | 09/27/07 12:03 |
| EW-15 | 7I27004-18 | Water | 10 | 09/23/07 14:15 | 09/27/07 12:03 |
| EW-17 | 7I27004-19 | Water | 10 | 09/23/07 15:40 | 09/27/07 12:03 |
| EW-14 | 7I27004-20 | Water | 10 | 09/23/07 17:55 | 09/27/07 12:03 |
| **TOC 415.1** | | | | | |
| MW-10 | 7I27004-01 | Water | 10 | 09/21/07 13:45 | 09/27/07 12:03 |
| MW-9 | 7I27004-02 | Water | 10 | 09/21/07 15:05 | 09/27/07 12:03 |
| MW-8 | 7I27004-03 | Water | 10 | 09/21/07 16:25 | 09/27/07 12:03 |
| BH | 7I27004-04 | Water | 10 | 09/22/07 08:35 | 09/27/07 12:03 |
| BM | 7I27004-05 | Water | 10 | 09/22/07 10:10 | 09/27/07 12:03 |
| BL | 7I27004-06 | Water | 10 | 09/22/07 11:30 | 09/27/07 12:03 |
| BG | 7I27004-07 | Water | 10 | 09/22/07 12:50 | 09/27/07 12:03 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|---|---|---|---|---|---|
| BK | 7I27004-09 | Water | 10 | 09/22/07 14:00 | 09/27/07 12:03 |
| MW-3 | 7I27004-13 | Water | 10 | 09/22/07 18:20 | 09/27/07 12:03 |
| MW-4 | 7I27004-14 | Water | 10 | 09/23/07 09:05 | 09/27/07 12:03 |
| MW-1 | 7I27004-16 | Water | 10 | 09/23/07 11:35 | 09/27/07 12:03 |
| EW-15 | 7I27004-18 | Water | 10 | 09/23/07 14:15 | 09/27/07 12:03 |
| EW-17 | 7I27004-19 | Water | 10 | 09/23/07 15:40 | 09/27/07 12:03 |
| EW-14 | 7I27004-20 | Water | 10 | 09/23/07 17:55 | 09/27/07 12:03 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Total Iodine by ICPMS

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **Iodine Total EPA 200.8 (EPA 200.8) *** | | | | | | | | |
| 7I27004-01 | MW-10 | 09/21/07 | 10/12/07 | 10/12/07 | 1 | <20 | ug/L | 20 |
| 7I27004-02 | MW-9 | 09/21/07 | 10/12/07 | 10/12/07 | 1 | **21** | ug/L | 20 |
| 7I27004-03 | MW-8 | 09/21/07 | 10/12/07 | 10/12/07 | 1 | **21** | ug/L | 20 |
| 7I27004-04 | BH | 09/22/07 | 10/12/07 | 10/12/07 | 1 | **21** | ug/L | 20 |
| 7I27004-05 | BM | 09/22/07 | 10/12/07 | 10/12/07 | 1 | **150** | ug/L | 20 |
| 7I27004-06 | BL | 09/22/07 | 10/12/07 | 10/12/07 | 1 | **80** | ug/L | 20 |
| 7I27004-07 | BG | 09/22/07 | 10/12/07 | 10/12/07 | 1 | **57** | ug/L | 20 |
| 7I27004-09 | BK | 09/22/07 | 10/12/07 | 10/12/07 | 1 | **83** | ug/L | 20 |
| 7I27004-13 | MW-3 | 09/22/07 | 10/12/07 | 10/12/07 | 1 | **220** | ug/L | 20 |

**Viorel Vasile**
Operations Manager

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

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** General Chemistry Analyses

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **Sulfide 376.2 (EPA 376.2)** | | | | | | | | |
| 7I27004-01 | MW-10 | 09/21/07 | 09/27/07 | 09/27/07 | 1 | **0.083** | mg/L | 0.05 |
| 7I27004-02 | MW-9 | 09/21/07 | 09/27/07 | 09/27/07 | 1 | **0.074** | mg/L | 0.05 |
| 7I27004-03 | MW-8 | 09/21/07 | 09/27/07 | 09/27/07 | 1 | **0.083** | mg/L | 0.05 |
| 7I27004-04 | BH | 09/22/07 | 09/27/07 | 09/27/07 | 1 | **0.061** | mg/L | 0.05 |
| 7I27004-05 | BM | 09/22/07 | 09/27/07 | 09/27/07 | 1 | **0.066** | mg/L | 0.05 |
| 7I27004-06 | BL | 09/22/07 | 09/27/07 | 09/27/07 | 1 | **0.077** | mg/L | 0.05 |
| 7I27004-07 | BG | 09/22/07 | 09/27/07 | 09/27/07 | 1 | **0.083** | mg/L | 0.05 |
| 7I27004-09 | BK | 09/22/07 | 09/27/07 | 09/27/07 | 1 | **0.083** | mg/L | 0.05 |
| 7I27004-13 | MW-3 | 09/22/07 | 09/27/07 | 09/27/07 | 1 | **0.077** | mg/L | 0.05 |
| 7I27004-14 | MW-4 | 09/23/07 | 09/27/07 | 09/27/07 | 1 | **0.055** | mg/L | 0.05 |
| 7I27004-16 | MW-1 | 09/23/07 | 09/27/07 | 09/27/07 | 1 | **0.085** | mg/L | 0.05 |
| 7I27004-18 | EW-15 | 09/23/07 | 09/27/07 | 09/27/07 | 1 | **0.061** | mg/L | 0.05 |
| 7I27004-19 | EW-17 | 09/23/07 | 09/27/07 | 09/27/07 | 1 | **0.066** | mg/L | 0.05 |
| 7I27004-20 | EW-14 | 09/23/07 | 09/27/07 | 09/27/07 | 1 | **0.068** | mg/L | 0.05 |
| **TOC 415.1 (EPA 415.1)** | | | | | | | | |
| 7I27004-01 | MW-10 | 09/21/07 | 10/05/07 | 10/05/07 | 1 | **3.5** | mg/L | 3 |
| 7I27004-02 | MW-9 | 09/21/07 | 10/05/07 | 10/05/07 | 1 | **3.6** | mg/L | 3 |
| 7I27004-03 | MW-8 | 09/21/07 | 10/05/07 | 10/05/07 | 1 | <3.0 | mg/L | 3 |
| 7I27004-04 | BH | 09/22/07 | 10/05/07 | 10/05/07 | 1 | **5.9** | mg/L | 3 |
| 7I27004-05 | BM | 09/22/07 | 10/05/07 | 10/05/07 | 1 | **3.9** | mg/L | 3 |
| 7I27004-06 | BL | 09/22/07 | 10/05/07 | 10/05/07 | 1 | **3.9** | mg/L | 3 |
| 7I27004-07 | BG | 09/22/07 | 10/05/07 | 10/05/07 | 1 | **5.5** | mg/L | 3 |
| 7I27004-09 | BK | 09/22/07 | 10/05/07 | 10/05/07 | 1 | **8.5** | mg/L | 3 |
| 7I27004-13 | MW-3 | 09/22/07 | 10/05/07 | 10/05/07 | 1 | **10** | mg/L | 3 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** General Chemistry Analyses

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| AA I.D. No. | Client I.D. No. | Sampled | Prepared | Analyzed | Dilution | Result | Units | MRL |
|---|---|---|---|---|---|---|---|---|
| **TOC 415.1 (EPA 415.1)** | | | | | | | | |
| 7I27004-14 | MW-4 | 09/23/07 | 10/05/07 | 10/05/07 | 1 | **3.8** | mg/L | 3 |
| 7I27004-16 | MW-1 | 09/23/07 | 10/05/07 | 10/05/07 | 1 | **14** | mg/L | 3 |
| 7I27004-18 | EW-15 | 09/23/07 | 10/05/07 | 10/05/07 | 1 | **57** | mg/L | 3 |
| 7I27004-19 | EW-17 | 09/23/07 | 10/05/07 | 10/05/07 | 1 | **17** | mg/L | 3 |
| 7I27004-20 | EW-14 | 09/23/07 | 10/05/07 | 10/05/07 | 1 | **20** | mg/L | 3 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

| | | | |
|---|---|---|---|
| **Client:** | Chun | **AA Project No:** | A57222 |
| **Project No:** | NA | **Date Received:** | 09/27/07 |
| **Project Name:** | Chun | **Date Reported:** | 10/22/07 |
| **Method:** | TPH Gasoline by GC/MS | **Units:** | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/23/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **AA ID No:** | 7I27004-10 | 7I27004-11 | 7I27004-12 | 7I27004-17 | |
| **Client ID No:** | BF | MW-11 | EW-16 | MW-2 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 5 | 10 | 1 | 1 | MRL |
| **8260B TPHGASOLINE (EPA 8260B)** | | | | | |
| Gasoline Range Organics (GRO) | **3200 [2]** | **21000 [2]** | **680 [2]** | **2500 [2]** | 100 |
| **Surrogates** | | | | | **%REC Limits** |
| Dibromofluoromethane | 134% | 119% | 132% | 95.4% | 70-140 |
| Toluene-d8 | 88.4% | 92.0% | 92.4% | 91.8% | 70-140 |

**Viorel Vasile**
Operations Manager

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

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** TPH Gasoline by GC/MS

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/23/07 | 09/23/07 | 09/24/07 | 09/24/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **AA ID No:** | 7I27004-19 | 7I27004-20 | 7I27004-21 | 7I27004-22 | |
| **Client ID No:** | EW-17 | EW-14 | EW-13 | MW-5 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 5 | 10 | 50 | 10 | MRL |
| **8260B TPHGASOLINE (EPA 8260B)** | | | | | |
| Gasoline Range Organics (GRO) | **6800 [2]** | **19000 [2]** | **27000 [2]** | **6100 [2]** | 100 |
| **Surrogates** | | | | | **%REC Limits** |
| Dibromofluoromethane | 122% | 134% | 135% | 122% | 70-140 |
| Toluene-d8 | 238% [5] | 150% [5] | 112% | 90.2% | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/21/07 | 09/21/07 | 09/21/07 | 09/22/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **AA ID No:** | 7I27004-01 | 7I27004-02 | 7I27004-03 | 7I27004-04 | |
| **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 | **2.0** | <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 | **29** | 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 | **0.53** | <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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/21/07 | 09/21/07 | 09/21/07 | 09/22/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **AA ID No:** | 7I27004-01 | 7I27004-02 | 7I27004-03 | 7I27004-04 | |
| **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 | **2.5** | 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 | **1.6** | <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 | **27** | 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 | **0.81** | <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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/21/07 | 09/21/07 | 09/21/07 | 09/22/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **AA ID No:** | 7I27004-01 | 7I27004-02 | 7I27004-03 | 7I27004-04 | |
| **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 | 113% | 113% | 113% | 114% | 70-140 |
| Dibromofluoromethane | 93.0% | 92.8% | 91.4% | 95.0% | 70-140 |
| Toluene-d8 | 104% | 111% | 111% | 111% | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-05 | 7I27004-06 | 7I27004-07 | 7I27004-08 | |
| **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 | **8.6** | <0.50 | **4.0** | 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 | **0.59** | <0.50 | 0.50 |
| tert-Butylbenzene | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 |
| n-Butylbenzene | <0.50 | <0.50 | <0.50 | **0.79** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-05 | 7I27004-06 | 7I27004-07 | 7I27004-08 | |
| **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) | **4.2** | **2.8** | **21** | <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 | **0.54** | 0.50 |
| Ethyl-tert-Butyl Ether (ETBE) | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Gasoline Range Organics (GRO) | <100 | <100 | <100 | **150** | 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 | **1.2** | 0.50 |
| 4-Isopropyltoluene | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| Methyl-tert-Butyl Ether (MTBE) | **6.8** | **3.5** | **37** | <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 | **0.61** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/04/07 | 10/04/07 | 10/04/07 | 10/04/07 | |
| **Date Analyzed:** | 10/04/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-05 | 7I27004-06 | 7I27004-07 | 7I27004-08 | |
| **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 | **2.2** | 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 | **1.3** | 0.50 |
| 1,2,4-Trimethylbenzene | <0.50 | <0.50 | <0.50 | **4.2** | 0.50 |
| Vinyl chloride | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 |
| o-Xylene | <0.50 | <0.50 | <0.50 | **1.1** | 0.50 |
| m,p-Xylenes | <1.0 | <1.0 | <1.0 | **7.8** | 1.0 |
| **Surrogates** | | | | | **%REC Limits** |
| 4-Bromofluorobenzene | 113% | 114% | 113% | 112% | 70-140 |
| Dibromofluoromethane | 91.8% | 94.4% | 93.4% | 93.0% | 70-140 |
| Toluene-d8 | 111% | 112% | 110% | 112% | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-09 | 7I27004-10 | 7I27004-11 | 7I27004-12 | |
| **Client ID No:** | BK | BF | MW-11 | EW-16 | |
| **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 | **18** | **2600** | **2000** | **4.2** | 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 | **3.8** | <0.50 | **8.3** | 0.50 |
| tert-Butylbenzene | <0.50 | <0.50 | <0.50 | **0.74** | 0.50 |
| n-Butylbenzene | <0.50 | **6.3** | **46** | **3.1** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-09 | 7I27004-10 | 7I27004-11 | 7I27004-12 | |
| **Client ID No:** | BK | BF | MW-11 | EW-16 | |
| **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 | **2.4** | 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 | **3.2** | **310** | **3100** | **1.1** | 0.50 |
| Ethyl-tert-Butyl Ether (ETBE) | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Gasoline Range Organics (GRO) | **450** | **7300** | **31000** | **2200** | 100 |
| Hexachlorobutadiene | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| 2-Hexanone (MBK) | <10 | <10 | <10 | <10 | 10 |
| Isopropylbenzene | **1.2** | **27** | **160** | **57** | 0.50 |
| 4-Isopropyltoluene | <1.0 | **1.3** | **12** | <1.0 | 1.0 |
| Methyl-tert-Butyl Ether (MTBE) | <2.0 | **3.9** | <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 | **49** | **490** | **29** | 2.0 |
| n-Propylbenzene | **1.0** | **33** | **280** | **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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-09 | 7I27004-10 | 7I27004-11 | 7I27004-12 | |
| **Client ID No:** | BK | BF | MW-11 | EW-16 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 1 | 1 | MRL |
| **8260B+OXY+TPHG (EPA 8260B) (continued)** | | | | | |
| Styrene | <0.50 | **2.0** | <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 | **45** | **19** | **1000** | <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 | **1.8** | **22** | **310** | <0.50 | 0.50 |
| 1,2,4-Trimethylbenzene | **1.5** | **14** | **2700** | <0.50 | 0.50 |
| Vinyl chloride | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 |
| o-Xylene | **1.4** | **9.8** | **1100** | <0.50 | 0.50 |
| m,p-Xylenes | **6.4** | **150** | **8600** | **1.5** | 1.0 |
| **Surrogates** | | | | | **%REC Limits** |
| 4-Bromofluorobenzene | 118% | 108% | 114% | 110% | 70-140 |
| Dibromofluoromethane | 89.0% | 93.8% | 91.4% | 90.0% | 70-140 |
| Toluene-d8 | 117% | 115% | 112% | 112% | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-13 | 7I27004-14 | 7I27004-15 | 7I27004-16 | |
| **Client ID No:** | MW-3 | MW-4 | MW-6 | MW-1 | |
| **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 | **1300** | <0.50 | **2.8** | **4700** | 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 | **12** | <0.50 | <0.50 | <0.50 | 0.50 |
| tert-Butylbenzene | **0.67** | <0.50 | <0.50 | <0.50 | 0.50 |
| n-Butylbenzene | **6.8** | <0.50 | **4.0** | **25** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-13 | 7I27004-14 | 7I27004-15 | 7I27004-16 | |
| **Client ID No:** | MW-3 | MW-4 | MW-6 | MW-1 | |
| **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) | **28** | <0.50 | <0.50 | **8.6** | 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 | **57** | <0.50 | **56** | **950** | 0.50 |
| Ethyl-tert-Butyl Ether (ETBE) | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Gasoline Range Organics (GRO) | **5600** | <100 | **1200** | **22000** | 100 |
| Hexachlorobutadiene | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| 2-Hexanone (MBK) | <10 | <10 | <10 | <10 | 10 |
| Isopropylbenzene | **86** | <0.50 | **15** | **100** | 0.50 |
| 4-Isopropyltoluene | <1.0 | <1.0 | <1.0 | **3.8** | 1.0 |
| Methyl-tert-Butyl Ether (MTBE) | <2.0 | <2.0 | <2.0 | **2.7** | 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 | **120** | <2.0 | **17** | **390** | 2.0 |
| n-Propylbenzene | **110** | <0.50 | **33** | **210** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-13 | 7I27004-14 | 7I27004-15 | 7I27004-16 | |
| **Client ID No:** | MW-3 | MW-4 | MW-6 | MW-1 | |
| **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 | **35** | <0.50 | **7.3** | **4100** | 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 | **8.6** | <0.50 | **13** | **140** | 0.50 |
| 1,2,4-Trimethylbenzene | **30** | <0.50 | **60** | **640** | 0.50 |
| Vinyl chloride | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 |
| o-Xylene | **29** | <0.50 | **48** | **1000** | 0.50 |
| m,p-Xylenes | **160** | <1.0 | **94** | **3100** | 1.0 |
| **Surrogates** | | | | | **%REC Limits** |
| 4-Bromofluorobenzene | 107% | 113% | 110% | 104% | 70-140 |
| Dibromofluoromethane | 95.8% | 98.6% | 97.8% | 97.2% | 70-140 |
| Toluene-d8 | 110% | 111% | 110% | 110% | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/23/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-17 | 7I27004-18 | 7I27004-19 | 7I27004-20 | |
| **Client ID No:** | MW-2 | EW-15 | EW-17 | EW-14 | |
| **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 | **6700** | **14000** | **5300** | **9900** | 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 | **25** | **41** | **28** | **21** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/23/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-17 | 7I27004-18 | 7I27004-19 | 7I27004-20 | |
| **Client ID No:** | MW-2 | EW-15 | EW-17 | EW-14 | |
| **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) | **3.3** | **4.1** | **4.2** | <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 | **300** | **3600** | **1300** | **2100** | 0.50 |
| Ethyl-tert-Butyl Ether (ETBE) | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Gasoline Range Organics (GRO) | **14000** | **59000** | **26000** | **41000** | 100 |
| Hexachlorobutadiene | <1.0 | <1.0 | <1.0 | <1.0 | 1.0 |
| 2-Hexanone (MBK) | <10 | <10 | <10 | <10 | 10 |
| Isopropylbenzene | **110** | **130** | **100** | **87** | 0.50 |
| 4-Isopropyltoluene | **3.0** | **6.8** | **5.0** | **4.5** | 1.0 |
| Methyl-tert-Butyl Ether (MTBE) | **6.6** | **2.5** | **2.0** | **12** | 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 | **310** | **660** | **210** | **290** | 2.0 |
| n-Propylbenzene | **180** | **280** | **180** | **180** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/23/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-17 | 7I27004-18 | 7I27004-19 | 7I27004-20 | |
| **Client ID No:** | MW-2 | EW-15 | EW-17 | EW-14 | |
| **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 | **540** | **5800** | **5300** | **7700** | 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 | **97** | **440** | **180** | **220** | 0.50 |
| 1,2,4-Trimethylbenzene | **260** | **2400** | **920** | **1100** | 0.50 |
| Vinyl chloride | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 |
| o-Xylene | **150** | **4000** | **1200** | **2500** | 0.50 |
| m,p-Xylenes | **790** | **12000** | **4500** | **6800** | 1.0 |
| **Surrogates** | | | | | **%REC Limits** |
| 4-Bromofluorobenzene | 105% | 113% | 107% | 111% | 70-140 |
| Dibromofluoromethane | 95.2% | 95.0% | 91.0% | 93.8% | 70-140 |
| Toluene-d8 | 109% | 115% | 115% | 114% | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | |
|---|---|---|---|
| **Date Sampled:** | 09/24/07 | 09/24/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-21 | 7I27004-22 | |
| **Client ID No:** | EW-13 | MW-5 | |
| **Matrix:** | Water | Water | |
| **Dilution Factor:** | 1 | 1 | MRL |
| **8260B+OXY+TPHG (EPA 8260B)** | | | |
| Acetone | <10 | <10 | 10 |
| tert-Amyl Methyl Ether (TAME) | <2.0 | <2.0 | 2.0 |
| Benzene | **5400** | **490** | 0.50 |
| Bromobenzene | <0.50 | <0.50 | 0.50 |
| Bromochloromethane | <0.50 | <0.50 | 0.50 |
| Bromodichloromethane | <0.50 | <0.50 | 0.50 |
| Bromoform | <0.50 | <0.50 | 0.50 |
| Bromomethane | <0.50 | <0.50 | 0.50 |
| 2-Butanone (MEK) | <10 | <10 | 10 |
| tert-Butyl alcohol (TBA) | <10 | <10 | 10 |
| sec-Butylbenzene | <0.50 | <0.50 | 0.50 |
| tert-Butylbenzene | <0.50 | <0.50 | 0.50 |
| n-Butylbenzene | **27** | **60** | 0.50 |
| Carbon Disulfide | <0.50 | <0.50 | 0.50 |
| Carbon Tetrachloride | <0.50 | <0.50 | 0.50 |
| Chlorobenzene | <0.50 | <0.50 | 0.50 |
| Chloroethane | <0.50 | <0.50 | 0.50 |
| Chloroform | <0.50 | <0.50 | 0.50 |
| Chloromethane | <0.50 | <0.50 | 0.50 |
| 2-Chlorotoluene | <0.50 | <0.50 | 0.50 |
| 4-Chlorotoluene | <0.50 | <0.50 | 0.50 |
| 1,2-Dibromo-3-chloropropane | <1.0 | <1.0 | 1.0 |
| Dibromochloromethane | <0.50 | <0.50 | 0.50 |
| 1,2-Dibromoethane (EDB) | <0.50 | <0.50 | 0.50 |
| Dibromomethane | <0.50 | <0.50 | 0.50 |
| 1,3-Dichlorobenzene | <0.50 | <0.50 | 0.50 |
| 1,2-Dichlorobenzene | <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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | |
|---|---|---|---|
| **Date Sampled:** | 09/24/07 | 09/24/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-21 | 7I27004-22 | |
| **Client ID No:** | EW-13 | MW-5 | |
| **Matrix:** | Water | Water | |
| **Dilution Factor:** | 1 | 1 | MRL |
| **8260B+OXY+TPHG (EPA 8260B) (continued)** | | | |
| 1,4-Dichlorobenzene | <0.50 | <0.50 | 0.50 |
| Dichlorodifluoromethane (R12) | <0.50 | <0.50 | 0.50 |
| 1,1-Dichloroethane | <0.50 | <0.50 | 0.50 |
| 1,2-Dichloroethane (EDC) | <0.50 | <0.50 | 0.50 |
| 1,1-Dichloroethylene | <0.50 | <0.50 | 0.50 |
| trans-1,2-Dichloroethylene | <0.50 | <0.50 | 0.50 |
| cis-1,2-Dichloroethylene | <0.50 | <0.50 | 0.50 |
| 1,2-Dichloropropane | <0.50 | <0.50 | 0.50 |
| 2,2-Dichloropropane | <0.50 | <0.50 | 0.50 |
| 1,3-Dichloropropane | <0.50 | <0.50 | 0.50 |
| cis-1,3-Dichloropropylene | <0.50 | <0.50 | 0.50 |
| trans-1,3-Dichloropropylene | <0.50 | <0.50 | 0.50 |
| 1,1-Dichloropropylene | <0.50 | <0.50 | 0.50 |
| Diisopropyl ether (DIPE) | <2.0 | <2.0 | 2.0 |
| Ethylbenzene | **3600** | **950** | 0.50 |
| Ethyl-tert-Butyl Ether (ETBE) | <2.0 | <2.0 | 2.0 |
| Gasoline Range Organics (GRO) | **84000** | **16000** | 100 |
| Hexachlorobutadiene | <1.0 | <1.0 | 1.0 |
| 2-Hexanone (MBK) | <10 | <10 | 10 |
| Isopropylbenzene | **120** | **140** | 0.50 |
| 4-Isopropyltoluene | **5.1** | **9.9** | 1.0 |
| Methyl-tert-Butyl Ether (MTBE) | <2.0 | <2.0 | 2.0 |
| Methylene Chloride | <5.0 | <5.0 | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | <10 | <10 | 10 |
| Naphthalene | **410** | **360** | 2.0 |
| n-Propylbenzene | **210** | **280** | 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:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | |
|---|---|---|---|
| **Date Sampled:** | 09/24/07 | 09/24/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-21 | 7I27004-22 | |
| **Client ID No:** | EW-13 | MW-5 | |
| **Matrix:** | Water | Water | |
| **Dilution Factor:** | 1 | 1 | MRL |
| **8260B+OXY+TPHG (EPA 8260B) (continued)** | | | |
| Styrene | <0.50 | <0.50 | 0.50 |
| 1,1,1,2-Tetrachloroethane | <0.50 | <0.50 | 0.50 |
| 1,1,2,2-Tetrachloroethane | <0.50 | <0.50 | 0.50 |
| Tetrachloroethylene (PCE) | <0.50 | <0.50 | 0.50 |
| Toluene | **35000** | **770** | 0.50 |
| 1,2,3-Trichlorobenzene | <0.50 | <0.50 | 0.50 |
| 1,2,4-Trichlorobenzene | <0.50 | <0.50 | 0.50 |
| 1,1,1-Trichloroethane | <0.50 | <0.50 | 0.50 |
| 1,1,2-Trichloroethane | <0.50 | <0.50 | 0.50 |
| Trichloroethylene (TCE) | <0.50 | <0.50 | 0.50 |
| Trichlorofluoromethane (R11) | <0.50 | <0.50 | 0.50 |
| 1,2,3-Trichloropropane | <0.50 | <0.50 | 0.50 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <0.50 | <0.50 | 0.50 |
| 1,3,5-Trimethylbenzene | **280** | **250** | 0.50 |
| 1,2,4-Trimethylbenzene | **1700** | **1300** | 0.50 |
| Vinyl chloride | <0.50 | <0.50 | 0.50 |
| o-Xylene | **5600** | **940** | 0.50 |
| m,p-Xylenes | **13000** | **3200** | 1.0 |
| **Surrogates** | | | **%REC Limits** |
| 4-Bromofluorobenzene | 113% | 117% | 70-140 |
| Dibromofluoromethane | 94.2% | 89.2% | 70-140 |
| Toluene-d8 | 95.6% | 112% | 70-140 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Dissolved Methane by RSK-175

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/21/07 | 09/21/07 | 09/21/07 | 09/22/07 | |
| **Date Prepared:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **Date Analyzed:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/03/07 | |
| **AA ID No:** | 7I27004-01 | 7I27004-02 | 7I27004-03 | 7I27004-04 | |
| **Client ID No:** | MW-10 | MW-9 | MW-8 | BH | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 10 | 1 | MRL |
| **Methane Dissolved (RSK-175M)** | | | | | |
| Methane | <2.0 | <2.0 | **170** | **17** | 2.0 |

**Viorel Vasile**
Operations Manager

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

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Dissolved Methane by RSK-175

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/05/07 | |
| **Date Analyzed:** | 10/03/07 | 10/03/07 | 10/03/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-05 | 7I27004-06 | 7I27004-07 | 7I27004-08 | |
| **Client ID No:** | BM | BL | BG | BJ | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 10 | 1 | MRL |
| **Methane Dissolved (RSK-175M)** | | | | | |
| Methane | <2.0 | **2.4** | **130** | <2.0 | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Dissolved Methane by RSK-175

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-09 | 7I27004-10 | 7I27004-11 | 7I27004-12 | |
| **Client ID No:** | BK | BF | MW-11 | EW-16 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 20 | 1000 | 200 | MRL |
| **Methane Dissolved (RSK-175M)** | | | | | |
| Methane | **5.9** | **380** | **15000** | **5600** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Dissolved Methane by RSK-175

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-13 | 7I27004-14 | 7I27004-15 | 7I27004-16 | |
| **Client ID No:** | MW-3 | MW-4 | MW-6 | MW-1 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1000 | 1 | 200 | 1000 | MRL |
| **Methane Dissolved (RSK-175M)** | | | | | |
| Methane | **14000** | **5.0** | **3600** | **23000** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Dissolved Methane by RSK-175

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/23/07 | 09/23/07 | 09/23/07 | 09/23/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-17 | 7I27004-18 | 7I27004-19 | 7I27004-20 | |
| **Client ID No:** | MW-2 | EW-15 | EW-17 | EW-14 | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1000 | 5000 | 5000 | 2000 | MRL |
| **Methane Dissolved (RSK-175M)** | | | | | |
| Methane | **33000** | **24000** | **100000** | **62000** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Dissolved Methane by RSK-175

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** ug/L

| | | | |
|---|---|---|---|
| **Date Sampled:** | 09/24/07 | 09/24/07 | |
| **Date Prepared:** | 10/05/07 | 10/05/07 | |
| **Date Analyzed:** | 10/05/07 | 10/05/07 | |
| **AA ID No:** | 7I27004-21 | 7I27004-22 | |
| **Client ID No:** | EW-13 | MW-5 | |
| **Matrix:** | Water | Water | |
| **Dilution Factor:** | 1000 | 1000 | MRL |
| **Methane Dissolved (RSK-175M)** | | | |
| Methane | **22000** | **8400** | 2.0 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Total Metals by ICP/GFAA/FLAA

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** mg/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/21/07 | 09/21/07 | 09/21/07 | 09/22/07 | |
| **Date Prepared:** | 09/28/07 | 09/28/07 | 09/28/07 | 09/28/07 | |
| **Date Analyzed:** | 10/01/07 | 10/01/07 | 10/01/07 | 10/01/07 | |
| **AA ID No:** | 7I27004-01 | 7I27004-02 | 7I27004-03 | 7I27004-04 | |
| **Client ID No:** | MW-10 | MW-9 | MW-8 | BH | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 1 | 1 | MRL |
| **Metals Total 6000/7000 (EPA 6010B/7000)** | | | | | |
| Boron | <0.20 | <0.20 | **0.26** | **0.25** | 0.20 |
| Calcium | **40** | **22** | **26** | **87** | 0.050 |
| Chromium | **0.10** | **0.068** | **0.051** | **0.35** | 0.050 |
| Magnesium | **27** | **21** | **26** | **85** | 0.050 |
| Iron | **38** | **26** | **20** | **140** | 0.050 |
| Potassium | **5.0** | **4.0** | **4.8** | **18** | 1.0 |
| Sodium | **11** | **24** | **55** | **76** | 0.50 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun
**Method:** Total Metals by ICP/GFAA/FLAA

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07
**Units:** mg/L

| | | | | | |
|---|---|---|---|---|---|
| **Date Sampled:** | 09/22/07 | 09/22/07 | 09/22/07 | 09/22/07 | |
| **Date Prepared:** | 09/28/07 | 09/28/07 | 09/28/07 | 09/28/07 | |
| **Date Analyzed:** | 10/01/07 | 10/01/07 | 10/01/07 | 10/01/07 | |
| **AA ID No:** | 7I27004-05 | 7I27004-06 | 7I27004-07 | 7I27004-09 | |
| **Client ID No:** | BM | BL | BG | BK | |
| **Matrix:** | Water | Water | Water | Water | |
| **Dilution Factor:** | 1 | 1 | 1 | 1 | MRL |
| **Metals Total 6000/7000 (EPA 6010B/7000)** | | | | | |
| Boron | <0.20 | <0.20 | **0.32** | <0.20 | 0.20 |
| Calcium | **92** | **27** | **85** | **64** | 0.050 |
| Chromium | **1.1** | **0.12** | **0.13** | **0.43** | 0.050 |
| Magnesium | **120** | **25** | **74** | **30** | 0.050 |
| Iron | **400** | **43** | **46** | **130** | 0.050 |
| Potassium | **39** | **6.2** | **9.4** | **19** | 1.0 |
| Sodium | **47** | **14** | **64** | **11** | 0.50 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

| | | | |
|---|---|---|---|
| **Client:** | Chun | **AA Project No:** | A57222 |
| **Project No:** | NA | **Date Received:** | 09/27/07 |
| **Project Name:** | Chun | **Date Reported:** | 10/22/07 |
| **Method:** | Total Metals by ICP/GFAA/FLAA | **Units:** | mg/L |

| | | |
|---|---|---|
| **Date Sampled:** | 09/22/07 | |
| **Date Prepared:** | 09/28/07 | |
| **Date Analyzed:** | 10/01/07 | |
| **AA ID No:** | 7I27004-13 | |
| **Client ID No:** | MW-3 | |
| **Matrix:** | Water | |
| **Dilution Factor:** | 1 | MRL |

**Metals Total 6000/7000 (EPA 6010B/7000)**

| | | |
|---|---|---|
| Boron | **0.24** | 0.20 |
| Calcium | **33** | 0.050 |
| Chromium | <0.050 | 0.050 |
| Magnesium | **34** | 0.050 |
| Iron | **50** | 0.050 |
| Potassium | **5.0** | 1.0 |
| Sodium | **50** | 0.50 |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Iodine by ICPMS - Quality Control** | | | | | | | | | | |
| *Batch B7J1912 - *** DEFAULT PREP **** | | | | | | | | | | |
| **Blank (B7J1912-BLK1)** | | | | Prepared & Analyzed: 10/12/07 | | | | | | * |
| Total Iodine | <20 | 20 | ug/L | | | | | | | |
| **LCS (B7J1912-BS1)** | | | | Prepared & Analyzed: 10/12/07 | | | | | | * |
| Total Iodine | **120** | 20 | ug/L | 128 | | 93.8 | 70-130 | | | |
| **General Chemistry Analyses - Quality Control** | | | | | | | | | | |
| *Batch B7J0807 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0807-BLK1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Sulfide | <0.050 | 0.050 | mg/L | | | | | | | |
| **LCS (B7J0807-BS1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Sulfide | **0.857** | 0.050 | mg/L | 1.00 | | 85.7 | 80-120 | | | |
| **LCS Dup (B7J0807-BSD1)** | | | | Prepared & Analyzed: 09/27/07 | | | | | | |
| Sulfide | **0.857** | 0.050 | mg/L | 1.00 | | 85.7 | 80-120 | 0.00 | 25 | |
| *Batch B7J0824 - NO PREP* | | | | | | | | | | |
| **Blank (B7J0824-BLK1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Total Organic Carbon | <3.0 | 3.0 | mg/L | | | | | | | |
| **LCS (B7J0824-BS1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Total Organic Carbon | **18.4** | 3.0 | mg/L | 20.0 | | 92.0 | 80-120 | | | |
| **LCS Dup (B7J0824-BSD1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Total Organic Carbon | **18.9** | 3.0 | mg/L | 20.0 | | 94.5 | 80-120 | 2.68 | 20 | |
| **TPH Gasoline by GC/MS - Quality Control** | | | | | | | | | | |
| *Batch B7J0507 - EPA 5030B* | | | | | | | | | | |
| **Blank (B7J0507-BLK1)** | | | | Prepared & Analyzed: 10/04/07 | | | | | | |
| Gasoline Range Organics (GRO) | <100 | 100 | ug/L | | | | | | | |
| *Surrogate: Dibromofluoromethane* | *57.2* | | *ug/L* | *50.0* | | *114* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *47.4* | | *ug/L* | *50.0* | | *94.8* | *70-140* | | | |
| **LCS (B7J0507-BS1)** | | | | Prepared & Analyzed: 10/04/07 | | | | | | |
| Gasoline Range Organics (GRO) | **510** | 100 | ug/L | 500 | | 102 | 75-125 | | | |
| *Surrogate: Dibromofluoromethane* | *60.6* | | *ug/L* | *50.0* | | *121* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *46.5* | | *ug/L* | *50.0* | | *93.0* | *70-140* | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **TPH Gasoline by GC/MS - Quality Control** | | | | | | | | | | |
| *Batch B7J0507 - EPA 5030B* | | | | | | | | | | |
| **LCS Dup (B7J0507-BSD1)** | | | | Prepared & Analyzed: 10/04/07 | | | | | | |
| Gasoline Range Organics (GRO) | **520** | 100 | ug/L | 500 | | 104 | 75-125 | 1.94 | 30 | |
| *Surrogate: Dibromofluoromethane* | *57.1* | | *ug/L* | *50.0* | | *114* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *46.5* | | *ug/L* | *50.0* | | *93.0* | *70-140* | | | |
| **VOCs, OXY & TPH Gasoline by GC/MS - Quality Control** | | | | | | | | | | |
| *Batch B7J0402 - EPA 5030B* | | | | | | | | | | |
| **Blank (B7J0402-BLK1)** | | | | Prepared & Analyzed: 10/04/07 | | | | | | |
| 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) | <50 | 50 | ug/L | | | | | | | |
| Methyl-tert-Butyl Ether (MTBE) | <2.0 | 2.0 | ug/L | | | | | | | |
| Toluene | <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 | | | | | | | |
| o-Xylene | <0.50 | 0.50 | ug/L | | | | | | | |
| m,p-Xylenes | <1.0 | 1.0 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *56.3* | | *ug/L* | *50.0* | | *113* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *46.2* | | *ug/L* | *50.0* | | *92.4* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *55.1* | | *ug/L* | *50.0* | | *110* | *70-140* | | | |
| **LCS (B7J0402-BS1)** | | | | Prepared & Analyzed: 10/04/07 | | | | | | |
| Benzene | **22.6** | 0.50 | ug/L | 20.0 | | 113 | 75-125 | | | |
| 1,2-Dichloroethane (EDC) | **19.8** | 0.50 | ug/L | 20.0 | | 99.0 | 75-125 | | | |
| Ethylbenzene | **23.6** | 0.50 | ug/L | 20.0 | | 118 | 75-125 | | | |
| Methyl-tert-Butyl Ether (MTBE) | **18.1** | 2.0 | ug/L | 20.0 | | 90.5 | 75-125 | | | |
| Toluene | **21.2** | 0.50 | ug/L | 20.0 | | 106 | 75-125 | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| 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 B7J0402 - EPA 5030B* | | | | | | | | | | |
| **LCS (B7J0402-BS1) Continued** | | | | Prepared & Analyzed: 10/04/07 | | | | | | |
| o-Xylene | **21.9** | 0.50 | ug/L | 20.0 | | 110 | 75-125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *52.8* | | *ug/L* | *50.0* | | *106* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *49.7* | | *ug/L* | *50.0* | | *99.4* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *55.5* | | *ug/L* | *50.0* | | *111* | *70-140* | | | |
| **Matrix Spike (B7J0402-MS1)** | | **Source: 7I25004-01** | | Prepared & Analyzed: 10/04/07 | | | | | | |
| Benzene | **22.4** | 0.50 | ug/L | 20.0 | <0.50 | 112 | 70-130 | | | |
| Ethylbenzene | **23.4** | 0.50 | ug/L | 20.0 | <0.50 | 117 | 70-130 | | | |
| Methyl-tert-Butyl Ether (MTBE) | **17.4** | 2.0 | ug/L | 20.0 | <2.0 | 87.0 | 70-130 | | | |
| Toluene | **21.3** | 0.50 | ug/L | 20.0 | <0.50 | 106 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | **23.4** | 0.50 | ug/L | 20.0 | <0.50 | 117 | 70-130 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *54.0* | | *ug/L* | *50.0* | | *108* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *49.6* | | *ug/L* | *50.0* | | *99.2* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *56.2* | | *ug/L* | *50.0* | | *112* | *70-140* | | | |
| **Matrix Spike Dup (B7J0402-MSD1)** | | **Source: 7I25004-01** | | Prepared & Analyzed: 10/04/07 | | | | | | |
| Benzene | **22.0** | 0.50 | ug/L | 20.0 | <0.50 | 110 | 70-130 | 1.80 | 30 | |
| Ethylbenzene | **22.4** | 0.50 | ug/L | 20.0 | <0.50 | 112 | 70-130 | 4.37 | 30 | |
| Methyl-tert-Butyl Ether (MTBE) | **17.5** | 2.0 | ug/L | 20.0 | <2.0 | 87.5 | 70-130 | 0.573 | 30 | |
| Toluene | **20.7** | 0.50 | ug/L | 20.0 | <0.50 | 104 | 70-130 | 2.86 | 30 | |
| 1,3,5-Trimethylbenzene | **20.8** | 0.50 | ug/L | 20.0 | <0.50 | 104 | 70-130 | 11.8 | 30 | |
| *Surrogate: 4-Bromofluorobenzene* | *54.6* | | *ug/L* | *50.0* | | *109* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *49.4* | | *ug/L* | *50.0* | | *98.8* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *55.5* | | *ug/L* | *50.0* | | *111* | *70-140* | | | |
| *Batch B7J0501 - EPA 5030B* | | | | | | | | | | |
| **Blank (B7J0501-BLK1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| 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 | | | | | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| 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 B7J0501 - EPA 5030B* | | | | | | | | | | |
| **Blank (B7J0501-BLK1) Continued** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| 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 | | | | | | | |
| 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 | | | | | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| 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 B7J0501 - EPA 5030B* | | | | | | | | | | |
| **Blank (B7J0501-BLK1) Continued** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| 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) | <100 | 100 | 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 | | | | | | | |
| 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 | | | | | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| 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 B7J0501 - EPA 5030B* | | | | | | | | | | |
| **Blank (B7J0501-BLK1) Continued** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| 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* | *56.8* | | *ug/L* | *50.0* | | *114* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *46.4* | | *ug/L* | *50.0* | | *92.8* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *55.5* | | *ug/L* | *50.0* | | *111* | *70-140* | | | |
| **LCS (B7J0501-BS1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Benzene | **23.3** | 0.50 | ug/L | 20.0 | | 116 | 75-125 | | | |
| Bromodichloromethane | **19.8** | 0.50 | ug/L | 20.0 | | 99.0 | 75-125 | | | |
| Bromoform | **15.2** | 0.50 | ug/L | 20.0 | | 76.0 | 75-125 | | | |
| Carbon Tetrachloride | **21.4** | 0.50 | ug/L | 20.0 | | 107 | 75-125 | | | |
| Chlorobenzene | **23.8** | 0.50 | ug/L | 20.0 | | 119 | 75-125 | | | |
| Chloroethane | **21.1** | 0.50 | ug/L | 20.0 | | 106 | 75-125 | | | |
| Chloroform | **20.3** | 0.50 | ug/L | 20.0 | | 102 | 75-125 | | | |
| Chloromethane | **16.8** | 0.50 | ug/L | 20.0 | | 84.0 | 65-125 | | | |
| Dibromochloromethane | **18.8** | 0.50 | ug/L | 20.0 | | 94.0 | 75-125 | | | |
| 1,4-Dichlorobenzene | **19.8** | 0.50 | ug/L | 20.0 | | 99.0 | 75-125 | | | |
| 1,1-Dichloroethane | **24.3** | 0.50 | ug/L | 20.0 | | 122 | 70-125 | | | |
| 1,2-Dichloroethane (EDC) | **17.6** | 0.50 | ug/L | 20.0 | | 88.0 | 75-125 | | | |
| 1,1-Dichloroethylene | **20.3** | 0.50 | ug/L | 20.0 | | 102 | 70-130 | | | |
| trans-1,2-Dichloroethylene | **20.9** | 0.50 | ug/L | 20.0 | | 104 | 75-125 | | | |
| cis-1,2-Dichloroethylene | **19.4** | 0.50 | ug/L | 20.0 | | 97.0 | 75-125 | | | |
| 1,2-Dichloropropane | **24.1** | 0.50 | ug/L | 20.0 | | 120 | 75-130 | | | |
| cis-1,3-Dichloropropylene | **23.4** | 0.50 | ug/L | 20.0 | | 117 | 75-125 | | | |
| Ethylbenzene | **25.0** | 0.50 | ug/L | 20.0 | | 125 | 75-125 | | | |
| Methyl-tert-Butyl Ether (MTBE) | **16.9** | 2.0 | ug/L | 20.0 | | 84.5 | 75-125 | | | |
| Methylene Chloride | **20.8** | 5.0 | ug/L | 20.0 | | 104 | 75-130 | | | |
| 1,1,2,2-Tetrachloroethane | **17.8** | 0.50 | ug/L | 20.0 | | 89.0 | 70-135 | | | |
| Tetrachloroethylene (PCE) | **23.6** | 0.50 | ug/L | 20.0 | | 118 | 75-125 | | | |
| Toluene | **24.4** | 0.50 | ug/L | 20.0 | | 122 | 75-125 | | | |
| 1,1,1-Trichloroethane | **22.8** | 0.50 | ug/L | 20.0 | | 114 | 75-125 | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| 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 B7J0501 - EPA 5030B* | | | | | | | | | | |
| **LCS (B7J0501-BS1) Continued** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| 1,1,2-Trichloroethane | **18.8** | 0.50 | ug/L | 20.0 | | 94.0 | 75-125 | | | |
| Trichloroethylene (TCE) | **22.8** | 0.50 | ug/L | 20.0 | | 114 | 75-125 | | | |
| Vinyl chloride | **16.4** | 0.50 | ug/L | 20.0 | | 82.0 | 75-125 | | | |
| o-Xylene | **24.1** | 0.50 | ug/L | 20.0 | | 120 | 75-125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.6* | | *ug/L* | *50.0* | | *107* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *48.5* | | *ug/L* | *50.0* | | *97.0* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *58.7* | | *ug/L* | *50.0* | | *117* | *70-140* | | | |
| **Matrix Spike (B7J0501-MS1)** | | **Source: 7J01014-04** | | Prepared: 10/05/07 Analyzed: 10/06/07 | | | | | | |
| Benzene | **22.7** | 0.50 | ug/L | 20.0 | <0.50 | 114 | 70-130 | | | |
| Bromoform | **15.0** | 0.50 | ug/L | 20.0 | <0.50 | 75.0 | 70-130 | | | |
| Chlorobenzene | **23.2** | 0.50 | ug/L | 20.0 | <0.50 | 116 | 70-130 | | | |
| Chloroform | **20.4** | 0.50 | ug/L | 20.0 | <0.50 | 102 | 70-130 | | | |
| 1,1-Dichloroethane | **24.3** | 0.50 | ug/L | 20.0 | <0.50 | 122 | 70-130 | | | |
| 1,1-Dichloroethylene | **18.4** | 0.50 | ug/L | 20.0 | <0.50 | 92.0 | 70-130 | | | |
| cis-1,2-Dichloroethylene | **69.0** | 0.50 | ug/L | 20.0 | 49 | 100 | 70-130 | | | |
| 1,2-Dichloropropane | **23.8** | 0.50 | ug/L | 20.0 | <0.50 | 119 | 70-130 | | | |
| Ethylbenzene | **24.7** | 0.50 | ug/L | 20.0 | <0.50 | 124 | 70-130 | | | |
| Methyl-tert-Butyl Ether (MTBE) | **18.1** | 2.0 | ug/L | 20.0 | <2.0 | 90.5 | 70-130 | | | |
| n-Propylbenzene | **25.3** | 0.50 | ug/L | 20.0 | <0.50 | 126 | 70-130 | | | |
| Tetrachloroethylene (PCE) | **27.0** | 0.50 | ug/L | 20.0 | 3.4 | 118 | 70-130 | | | |
| Toluene | **24.2** | 0.50 | ug/L | 20.0 | <0.50 | 121 | 70-130 | | | |
| 1,1,1-Trichloroethane | **23.7** | 0.50 | ug/L | 20.0 | <0.50 | 118 | 70-130 | | | |
| Trichloroethylene (TCE) | **148** | 0.50 | ug/L | 20.0 | 130 | 90.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | **24.2** | 0.50 | ug/L | 20.0 | <0.50 | 121 | 70-130 | | | |
| Vinyl chloride | **17.7** | 0.50 | ug/L | 20.0 | <0.50 | 88.5 | 70-130 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.4* | | *ug/L* | *50.0* | | *107* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *48.2* | | *ug/L* | *50.0* | | *96.4* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *59.3* | | *ug/L* | *50.0* | | *119* | *70-140* | | | |
| **Matrix Spike Dup (B7J0501-MSD1)** | | **Source: 7J01014-04** | | Prepared: 10/05/07 Analyzed: 10/06/07 | | | | | | |
| Benzene | **23.6** | 0.50 | ug/L | 20.0 | <0.50 | 118 | 70-130 | 3.89 | 30 | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| 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 B7J0501 - EPA 5030B* | | | | | | | | | | |
| **Matrix Spike Dup (B7J0501-MSD1) Continued** | | **Source: 7J01014-04** | | Prepared: 10/05/07 | | Analyzed: 10/06/07 | | | | |
| Bromoform | **15.0** | 0.50 | ug/L | 20.0 | <0.50 | 75.0 | 70-130 | 0.00 | 30 | |
| Chlorobenzene | **25.5** | 0.50 | ug/L | 20.0 | <0.50 | 128 | 70-130 | 9.45 | 30 | |
| Chloroform | **20.0** | 0.50 | ug/L | 20.0 | <0.50 | 100 | 70-130 | 1.98 | 30 | |
| 1,1-Dichloroethane | **23.8** | 0.50 | ug/L | 20.0 | <0.50 | 119 | 70-130 | 2.08 | 30 | |
| 1,1-Dichloroethylene | **18.2** | 0.50 | ug/L | 20.0 | <0.50 | 91.0 | 70-130 | 1.09 | 30 | |
| cis-1,2-Dichloroethylene | **70.1** | 0.50 | ug/L | 20.0 | 49 | 106 | 70-130 | 1.58 | 30 | |
| 1,2-Dichloropropane | **23.3** | 0.50 | ug/L | 20.0 | <0.50 | 116 | 70-130 | 2.12 | 30 | |
| Ethylbenzene | **25.8** | 0.50 | ug/L | 20.0 | <0.50 | 129 | 70-130 | 4.36 | 30 | |
| Methyl-tert-Butyl Ether (MTBE) | **16.9** | 2.0 | ug/L | 20.0 | <2.0 | 84.5 | 70-130 | 6.86 | 30 | |
| n-Propylbenzene | **26.5** | 0.50 | ug/L | 20.0 | <0.50 | 132 | 70-130 | 4.63 | 30 | QM-07 |
| Tetrachloroethylene (PCE) | **28.7** | 0.50 | ug/L | 20.0 | 3.4 | 126 | 70-130 | 6.10 | 30 | |
| Toluene | **25.4** | 0.50 | ug/L | 20.0 | <0.50 | 127 | 70-130 | 4.84 | 30 | |
| 1,1,1-Trichloroethane | **23.5** | 0.50 | ug/L | 20.0 | <0.50 | 118 | 70-130 | 0.847 | 30 | |
| Trichloroethylene (TCE) | **153** | 0.50 | ug/L | 20.0 | 130 | 115 | 70-130 | 3.32 | 30 | |
| 1,3,5-Trimethylbenzene | **25.2** | 0.50 | ug/L | 20.0 | <0.50 | 126 | 70-130 | 4.05 | 30 | |
| Vinyl chloride | **17.2** | 0.50 | ug/L | 20.0 | <0.50 | 86.0 | 70-130 | 2.87 | 30 | |
| *Surrogate: 4-Bromofluorobenzene* | *54.4* | | *ug/L* | *50.0* | | *109* | *70-140* | | | |
| *Surrogate: Dibromofluoromethane* | *46.5* | | *ug/L* | *50.0* | | *93.0* | *70-140* | | | |
| *Surrogate: Toluene-d8* | *62.1* | | *ug/L* | *50.0* | | *124* | *70-140* | | | |
| **Dissolved Methane by RSK-175 - Quality Control** | | | | | | | | | | |
| *Batch B7J0311 - *** DEFAULT PREP **** | | | | | | | | | | |
| **Blank (B7J0311-BLK1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Methane | <2.0 | 2.0 | ug/L | | | | | | | |
| **LCS (B7J0311-BS1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Methane | **23.5** | 2.0 | ug/L | 22.0 | | 107 | 75-125 | | | |
| **LCS Dup (B7J0311-BSD1)** | | | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Methane | **18.6** | 2.0 | ug/L | 22.0 | | 84.5 | 75-125 | 23.3 | 30 | |
| **Duplicate (B7J0311-DUP1)** | | **Source: 7I20014-04** | | Prepared & Analyzed: 10/03/07 | | | | | | |
| Methane | **5940** | 400 | ug/L | | 5200 | | | 13.3 | 30 | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Dissolved Methane by RSK-175 - Quality Control** | | | | | | | | | | |
| *Batch B7J0510 - *** DEFAULT PREP **** | | | | | | | | | | |
| **Blank (B7J0510-BLK1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Methane | <2.0 | 2.0 | ug/L | | | | | | | |
| **LCS (B7J0510-BS1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Methane | **19.8** | 2.0 | ug/L | 22.0 | | 90.0 | 75-125 | | | |
| **LCS Dup (B7J0510-BSD1)** | | | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Methane | **23.5** | 2.0 | ug/L | 22.0 | | 107 | 75-125 | 17.1 | 30 | |
| **Duplicate (B7J0510-DUP1)** | | **Source: 7I27004-09** | | Prepared & Analyzed: 10/05/07 | | | | | | |
| Methane | **5.50** | 2.0 | ug/L | | 5.9 | | | 7.02 | 30 | |
| **Total Metals by ICP/GFAA/FLAA - Quality Control** | | | | | | | | | | |
| *Batch B7J0110 - EPA 3010A* | | | | | | | | | | |
| **Blank (B7J0110-BLK1)** | | | | Prepared: 09/28/07 Analyzed: 10/01/07 | | | | | | |
| Aluminum | <0.50 | 0.50 | mg/L | | | | | | | |
| Antimony | <0.20 | 0.20 | mg/L | | | | | | | |
| Arsenic | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Barium | <0.20 | 0.20 | mg/L | | | | | | | |
| Beryllium | <0.020 | 0.020 | mg/L | | | | | | | |
| Cadmium | <0.020 | 0.020 | mg/L | | | | | | | |
| Calcium | <0.050 | 0.050 | mg/L | | | | | | | |
| Chromium | <0.050 | 0.050 | mg/L | | | | | | | |
| Cobalt | <0.050 | 0.050 | mg/L | | | | | | | |
| Copper | <0.050 | 0.050 | mg/L | | | | | | | |
| Lead | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Magnesium | <0.050 | 0.050 | mg/L | | | | | | | |
| Manganese | <0.050 | 0.050 | mg/L | | | | | | | |
| Iron | <0.050 | 0.050 | mg/L | | | | | | | |
| Molybdenum | <0.050 | 0.050 | mg/L | | | | | | | |
| Nickel | <0.050 | 0.050 | mg/L | | | | | | | |
| Potassium | <1.0 | 1.0 | mg/L | | | | | | | |
| Selenium | <0.0050 | 0.0050 | mg/L | | | | | | | |
| Silver | <0.020 | 0.020 | mg/L | | | | | | | |
| Sodium | <0.50 | 0.50 | mg/L | | | | | | | |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals by ICP/GFAA/FLAA - Quality Control** | | | | | | | | | | |
| *Batch B7J0110 - EPA 3010A* | | | | | | | | | | |
| **Blank (B7J0110-BLK1) Continued** | | | | Prepared: 09/28/07 Analyzed: 10/01/07 | | | | | | |
| Thallium | <0.10 | 0.10 | mg/L | | | | | | | |
| Vanadium | <0.20 | 0.20 | mg/L | | | | | | | |
| Zinc | <0.050 | 0.050 | mg/L | | | | | | | |
| Lithium | <0.050 | 0.050 | mg/L | | | | | | | |
| **LCS (B7J0110-BS1)** | | | | Prepared: 09/28/07 Analyzed: 10/01/07 | | | | | | |
| Calcium | **1.27** | 0.050 | mg/L | 1.00 | | 127 | 80-120 | | | |
| Boron | **1.14** | 0.20 | mg/L | 1.00 | | 114 | 80-120 | | | |
| Chromium | **1.12** | 0.050 | mg/L | 1.00 | | 112 | 80-120 | | | |
| Magnesium | **1.18** | 0.050 | mg/L | 1.00 | | 118 | 80-120 | | | |
| Iron | **1.18** | 0.050 | mg/L | 1.00 | | 118 | 80-120 | | | |
| Potassium | **0.813** | 1.0 | mg/L | 1.00 | | 81.3 | 80-120 | | | |
| Sodium | **0.841** | 0.50 | mg/L | 1.00 | | 84.1 | 80-120 | | | |
| **LCS Dup (B7J0110-BSD1)** | | | | Prepared: 09/28/07 Analyzed: 10/01/07 | | | | | | |
| Boron | **1.21** | 0.20 | mg/L | 1.00 | | 121 | 80-120 | 5.96 | 20 | |
| Calcium | **1.26** | 0.050 | mg/L | 1.00 | | 126 | 80-120 | 0.791 | 20 | |
| Chromium | **1.16** | 0.050 | mg/L | 1.00 | | 116 | 80-120 | 3.51 | 20 | |
| Magnesium | **1.19** | 0.050 | mg/L | 1.00 | | 119 | 80-120 | 0.844 | 20 | |
| Iron | **1.14** | 0.050 | mg/L | 1.00 | | 114 | 80-120 | 3.45 | 20 | |
| Potassium | **0.833** | 1.0 | mg/L | 1.00 | | 83.3 | 80-120 | 2.43 | 20 | |
| Sodium | **0.821** | 0.50 | mg/L | 1.00 | | 82.1 | 80-120 | 2.41 | 20 | |
| **Duplicate (B7J0110-DUP1)** | | **Source: 7I27017-01** | | Prepared: 09/28/07 Analyzed: 10/01/07 | | | | | | |
| Boron | **4.36** | 0.20 | mg/L | | 4.7 | | | 7.51 | 200 | |
| Calcium | **393** | 0.050 | mg/L | | 410 | | | 4.23 | 200 | |
| Chromium | **0.0505** | 0.050 | mg/L | | 0.050 | | | 0.995 | 200 | |
| Magnesium | **53.7** | 0.050 | mg/L | | 56 | | | 4.19 | 200 | |
| Iron | **12.9** | 0.050 | mg/L | | 13 | | | 0.772 | 200 | |
| Potassium | **7.89** | 1.0 | mg/L | | 8.0 | | | 1.38 | 200 | |
| Sodium | **99.3** | 0.50 | mg/L | | 98 | | | 1.32 | 200 | |
| **Matrix Spike (B7J0110-MS1)** | | **Source: 7I27017-01** | | Prepared: 09/28/07 Analyzed: 10/01/07 | | | | | | |
| Boron | **5.84** | 0.20 | mg/L | 1.00 | 4.7 | 114 | 75-125 | | | |
| Calcium | **400** | 0.050 | mg/L | 1.00 | 410 | NR | 75-125 | | | QM-4X |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

**Client:** Chun
**Project No:** NA
**Project Name:** Chun

**AA Project No:** A57222
**Date Received:** 09/27/07
**Date Reported:** 10/22/07

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals by ICP/GFAA/FLAA - Quality Control** | | | | | | | | | | |
| *Batch B7J0110 - EPA 3010A* | | | | | | | | | | |
| **Matrix Spike (B7J0110-MS1) Continued** | **Source: 7I27017-01** | | | Prepared: 09/28/07 | | Analyzed: 10/01/07 | | | | |
| Chromium | **1.08** | 0.050 | mg/L | 1.00 | 0.050 | 103 | 75-125 | | | |
| Magnesium | **55.1** | 0.050 | mg/L | 1.00 | 56 | NR | 75-125 | | | QM-4X |
| Iron | **14.8** | 0.050 | mg/L | 1.00 | 13 | 180 | 75-125 | | | QM-4X |
| Potassium | **22.2** | 1.0 | mg/L | 1.00 | 8.0 | NR | 75-125 | | | QM-4X |
| **Matrix Spike Dup (B7J0110-MSD1)** | **Source: 7I27017-01** | | | Prepared: 09/28/07 | | Analyzed: 10/01/07 | | | | |
| Boron | **5.94** | 0.20 | mg/L | 1.00 | 4.7 | 124 | 75-125 | 1.70 | 20 | |
| Calcium | **406** | 0.050 | mg/L | 1.00 | 410 | NR | 75-125 | 1.49 | 20 | QM-4X |
| Chromium | **1.11** | 0.050 | mg/L | 1.00 | 0.050 | 106 | 75-125 | 2.74 | 20 | |
| Magnesium | **55.6** | 0.050 | mg/L | 1.00 | 56 | NR | 75-125 | 0.903 | 20 | QM-4X |
| Iron | **14.0** | 0.050 | mg/L | 1.00 | 13 | 100 | 75-125 | 5.56 | 20 | |
| Potassium | **22.2** | 1.0 | mg/L | 1.00 | 8.0 | NR | 75-125 | 0.00 | 20 | QM-4X |

**Viorel Vasile**
Operations Manager

# LABORATORY ANALYSIS RESULTS

| | | | |
|---|---|---|---|
| **Client:** | Chun | **AA Project No:** | A57222 |
| **Project No:** | NA | **Date Received:** | 09/27/07 |
| **Project Name:** | Chun | **Date Reported:** | 10/22/07 |

**Special Notes**

**[1]** = ***** : Subcontracted to a DOHS State-Certified Laboratory

**[2]** = ****** : Per client request, the sample underwent silica gel clean-up prior to analysis.

**[3]** = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

**[4]** = **QM-4X** : The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

**[5]** = **S-04** : The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

**Viorel Vasile**
Operations Manager

**Franklin J. Goldman**
**PO BOX 59, Sonoma, CA 95476**
**FJGoldmanCHG@yahoo.com**
**FAX: (949) 606-8711**
**Cell: (707) 694-1375**

A57222 / 7527034

# CHAIN OF CUSTODY RECORD

report Trimethylbenzenes

Laboratory Analysis P.O. No. #103305

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

Date: 9/26/07 Sheet 1 of 3

Project Name Chun

Project Number

Address 2301 Santa Clara
Alameda, CA

Sampler's Name: Frank Goldman

Sampler's Signature: Franklin J. Goldman

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 | 8260b & Methane VOAs (HCL) with Silica Gel Cleanup | Metals & Iodine with HNO3 | Trimethylbenzene | Sulfide with NaOH preservative | TOC with H2SO4 preservative | Alkalinity, Bromide, Chloride, Fluoride, Sulfate, Nitrate, TDS | Ferrous Iron two Amber VOAs | WATER SAMPLE | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-10 | | 9/21/07 | 1:45 PM | X | X | | X | X | | | X | 7527034-01 |
| MW-9 | | 9/21/07 | 3:25 PM | | X | | X | X | | | | -02 |
| MW-8 | | 9/21/07 | 4:35 PM | | X | | X | X | | | | -03 |
| BH | | 9/22/07 | 8:35 AM | | X | | X | X | | | | -04 |
| BM | | | 10:10 AM | | X | | X | X | | | | -05 |
| BL | | | 11:30 AM | | X | | X | X | | | | -06 |
| BG | | | 12:50 PM | | X | | X | X | | | | -07 |
| BJ | | | 1:25 PM | | X | X | X | | | | | -08 |
| BK | | | 2:00 PM | | X | X | X | X | | | | -09 |
| BF | | ↓ | 2:45 PM | ↓ | X | X | ↓ | ↓ | | | ↓ | -10 |

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| Franklin J. Goldman | 9/22/07 | 12:00 PM | | 9/22/7 | 12:03 |
| | | | | | |
| Dispatched By | Date | Time | Received in Lab By | Date | Time |
| | | | | | |

Total Number of Containers this Sheet:

Method of Shipment:

Special Shipment/Handling or Storage Requirements: Keep on Ice

9/27/07 1300

**Franklin J. Goldman**
**PO BOX 59, Sonoma, CA 95476**
**FJGoldmanCHG@yahoo.com**
**FAX: (949) 606-8711**
**Cell: (707) 694-1375**

A57222
7127004

# CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. #103306
*Laboratory Please Call Accounts Payable for P.O. No.*
Date: 9/26/07 Sheet 2 Of 3

Project Name Chun
Project Number
Address 2301 Santa Clara
Alameda, CA
Sampler's Name: Frank Goldman
Sampler's Signature: Frankln J Goldman

Report Trimethylbenzenes

| Sample Number | Location | Date | Time |
|---|---|---|---|
| MW-11 | | 9/22/07 | 3:40 PM |
| EW-16 | | | 5:05 PM |
| MW-3 | | | 6:20 PM |
| MW-4 | | 9/23/07 | 9:05 AM |
| MW-6 | | | 10:20 AM |
| MW-1 | | | 11:35 AM |
| MW-2 | | | 12:50 PM |
| EW-15 | | | 2:15 PM |
| EW-17 | | | 3:40 PM |
| EW-14 | | | 5:55 PM |

Parameters

| Sample Number | 8260b & Methane VOAs (HCl) with Silica Gel Cleanup | Metals & Iodine with HNO3 | Trimethylbenzene | Sulfide with NaOH preservative | TOC with H2SO4 preservative | Alkalinity, Nitrate, Chloride, Fluoride, Sulfate, Nitrate, TDS | Ferrous Iron two Amber VOAs | WATER SAMPLE | Comments |
|---|---|---|---|---|---|---|---|---|---|
| MW-11 | X | | X | | | | | X | 7127004 -01 |
| EW-16 | X | | X | | | | | | 4VOAs -02 |
| MW-3 | | X | X | X | X | X | | | -03 |
| MW-4 | | | X | X | X | X | | | 4VOAs HNO3 NaOH -04 |
| MW-6 | | | X | | | | | | -05 |
| MW-1 | | | X | X | X | X | | | 4VOAs HNO3 NaOH -06 |
| MW-2 | X | | X | | | | | | 40AAs -07 |
| EW-15 | | | X | X | X | X | | | 4VOAs HNO3 NaOH -08 |
| EW-17 | X | | X | X | X | X | | | 3VOAs only -09 |
| EW-14 | X | | X | X | X | X | | | 4VOAs -10 |

| Relinquished By | Date | Time | Received By | Date | Time |
|---|---|---|---|---|---|
| Frankln J Goldman | 9/27/07 | 12:00 PM | J. Ce | 9/27/7 | 12:03 |
| | | | | | |
| Dispatched By | Date | Time | Received in Lab By | Date | Time |
| | | | | | |

Total Number of Containers this Sheet: 40
Method of Shipment: 9/22/07
Special Shipment/Handling or Storage Requirements: Keep on Ice

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

**Franklin J. Goldman**
**PO BOX 59, Sonoma, CA 95476**
**FJGoldmanCHG@yahoo.com**
**FAX: (949) 606-8711**
**Cell: (707) 694-1375**

A57222
7527004

# CHAIN OF CUSTODY RECORD

Report Trimethylbenzenes

#103307

Laboratory Analysis P.O. No.
*Laboratory Please Call Accounts Payable for P.O. No.*
Date: 9/26/07 Sheet 3 Of 3

Project Name Chun
Project Number
Address 2301 Santa Clara
Alameda, CA
Sampler's Name:
Frank Goldman
Sampler's Signature:

| Sample Number | Location | Date | Time | 8260b & Methane | VOAs (HCl) with Silica Gel Cleanup | Metals & Iodine with HNO3 | Trimethylbenzene | Sulfide with NaOH preservative | TOC with H2SO4 preservative | Alkalinity, Bromide, Chloride, Fluoride, Sulfate, Nitrate, TDS | Ferrous Iron two Amber VOAs | WATER SAMPLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EW-13 | | 9/24/07 | 4:45 PM | X | X | | X | | | | | X |
| MW-5 | | 9/24/07 | 5:50 PM | X | X | | | | | | | X |

Parameters

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
7527004-21
-22

| Relinquished By | Date | Time |
|---|---|---|
| Frank Goldman | 9/27/07 | 12:00 PM |
| | | |
| Dispatched By | Date | Time |
| | | |

| Received By | Date | Time |
|---|---|---|
| | 9/27/7 | 12:03 |
| | | |
| Received in Lab By | Date | Time |
| | | |

Total Number of Containers this Sheet: 9/27/07 1330
Method of Shipment:
Special Shipment/Handling or Storage Requirements:
Keep on Ice