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9:09 am, Aug 23, 2011

Alameda County
Environmental Health

August 18, 2011

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

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SUBJECT: RESPONSIBLE PARTY PERJURY STATEMENT FOR ALAMEDA COUNTY FTP WEBSITE TECHNICAL REPORT SUBMITTAL REQUIREMENT FOR REPORTING OF ONE GROUNDWATER MONITORING SAMPLING EVENT PERFORMED IN APRIL 2011 ASSOCIATED WITH THE FORMER UNDERGROUND STORAGE TANKS (USTs) AT THE FORMER BILL CHUN'S SERVICE STATION LOCATED @ 2301 SANTA CLARA AVENUE, ALAMEDA, CA

To Alameda County Environmental Health,

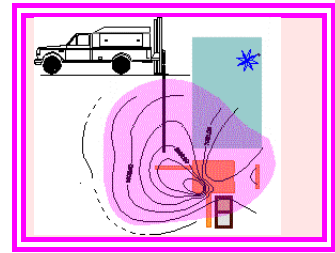
"I declare under penalty of perjury that the information and/or recommendations contained in the attached technical report is true and correct to the best of my knowledge."

Sincerely,



Wayne Chun

Franklin J. Goldman
Environmental and Hydrogeological Consulting
PO Box 224, Roseville, CA 95661
Phone: (916) 676-2677
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August 08, 2011

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

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

Mr. Khatri:

This report summarizes the laboratory results of analyses performed for dissolved gasoline constituents in groundwater. This groundwater monitoring event represents a compilation of data covering the onsite wells and the down gradient wells installed on the Towata property. Although the dissolved gasoline range organics (GROs) and benzene concentrations exhibited a general increase, they still continue to exhibit a consistent overall decrease over many years.

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

Sincerely,



Franklin J. Goldman
Certified Hydrogeologist No. 466

GROUNDWATER FLOW DIRECTION

On April 21 and 22, 2011, 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 where the elevation was established by a certified land survey.

Groundwater was encountered at depths ranging from 4.07 to 11.75 feet bgs and the gradient flow and direction was estimated to be east to east-southeast from 0.07 to 0.13 over the down gradient Towata property and southeast at 0.007 onsite (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 1/2 inch diameter disposable 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 Well Purging Logs](#)). The recorded data were used to verify that a sufficient volume of groundwater had been removed from each well casing so that anomalies caused by remnant well casing storage would not preclude us from obtaining a groundwater sample which would be representative of the aquifer contaminant distribution as a whole.

GROUNDWATER SAMPLING FROM WELLS

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

LABORATORY RESULTS OF HYDROCARBONS IN GROUNDWATER

Dissolved GROs and benzene in groundwater have demonstrated a general decrease in all wells since monitoring was initiated (See [Appendix B for Laboratory Data Sheets](#)) and ([Table 2 for Historical Trends of GRO and benzene concentrations](#)). The dissolved plumes of GROs and benzene in groundwater still appear to be centered in the general vicinity of the former USTs on site and extend underneath the flower shop downgradient (See [Figures 2 and 3 for GRO and benzene concentration maps](#)).

Dissolved GRO and benzene continue to exhibit historical decreasing trends in representative groundwater monitor wells MW-11 and MW-13. An increase in concentrations in all wells has been typically associated with changes in water levels that expose those portions of the smear zone which release residual hydrocarbons to the surrounding groundwater. (See [Figures 4, 5, 6 and 7 for graphs of GRO & benzene concentrations vs. time](#)).

WELL HEAD REPLACEMENT

On June 15, 2011, Clearheart Drilling of Santa Rosa, under the supervision of a Certified Hydrogeologist, replaced and repaired numerous groundwater monitor well boxes to prevent uncontrolled surface water runoff from entering the wells and also to prevent unauthorized access to the groundwater monitor wells. Three well boxes located in the street (MW-8, 9, and 10) and two well boxes on site (SV-1 and MW-1) were replaced. Although SV-1 is not used, the cracked and degraded asphalt around the well had to be sealed. Locking caps were replaced on two of the four inch diameter wells (EW-13 and 15). MW-6 was repaired and cleaned up without replacement. A third, four inch diameter well, received a concrete layer in the bottom to prevent infiltration of water into the box. The tops of the casings for MW-6, MW-8, MW-9, and MW-10 had to be cut down to remove the cracked and degraded PVC casing tops as they had been originally installed with thin and threaded tips. Technically, these wells should be resurveyed, however, this will probably not be necessary as we have plenty of wells to established a groundwater gradient flow if the site stays open for extended period of time. Some well heads on the Towata property were also refurbished.

PASSIVE REMEDIATION OF THE CENTER OF THE DISSOLVED PLUME

On August 08, 2011, two, ten foot long oxygen releasing compound (ORC) strings of socks were placed in groundwater monitor wells MW-7 and MW-2. MW-7 is located immediately adjacent to EW-13 which has consistently had the highest concentrations of dissolved hydrocarbons through time. So MW-7 will be a treatment well at the center of the dissolved plume. MW-2 will also be a treatment well, which is located in the immediate vicinity of, and down gradient of, EW-12. MW-2 is also upgradient of EW-15 which has also had very high concentration through time.

FIELD CLEANUP

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

CONCLUSIONS

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

RECOMMENDATIONS

Close the site and properly abandon the wells.

LIMITATIONS

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

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



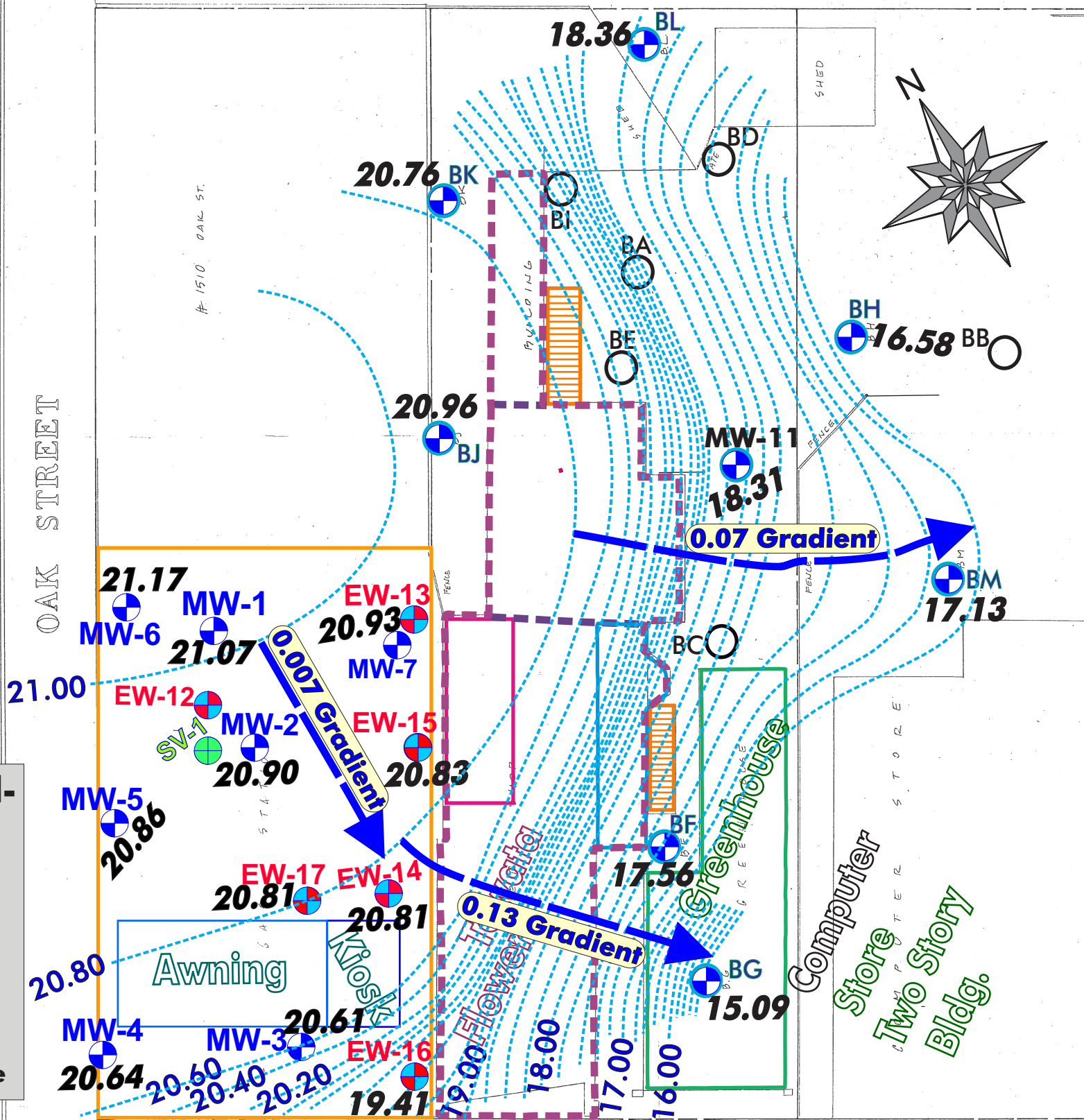
Approximate Scale in Feet
Map Adapted from Certified
Land Surveys

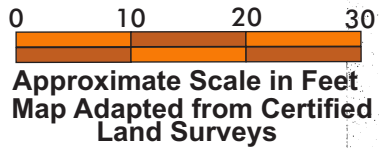
MW-9
22.17

Figure 1

MW-10
21.43

Lines of equal ground-
water level elevation
April 22, 2011
CHUN - 2301 Santa
Clara Ave., Alameda
Located at the north
east corner of the inter-
section of Oak Street
and Santa Clara Avenue





MW-9
ND

MW-10
ND

Lines of equal concentrations (ppb) of dissolved benzene in groundwater

Sampled on April 21, & 22, 2011

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

OAK STREET

1510 OAK ST.

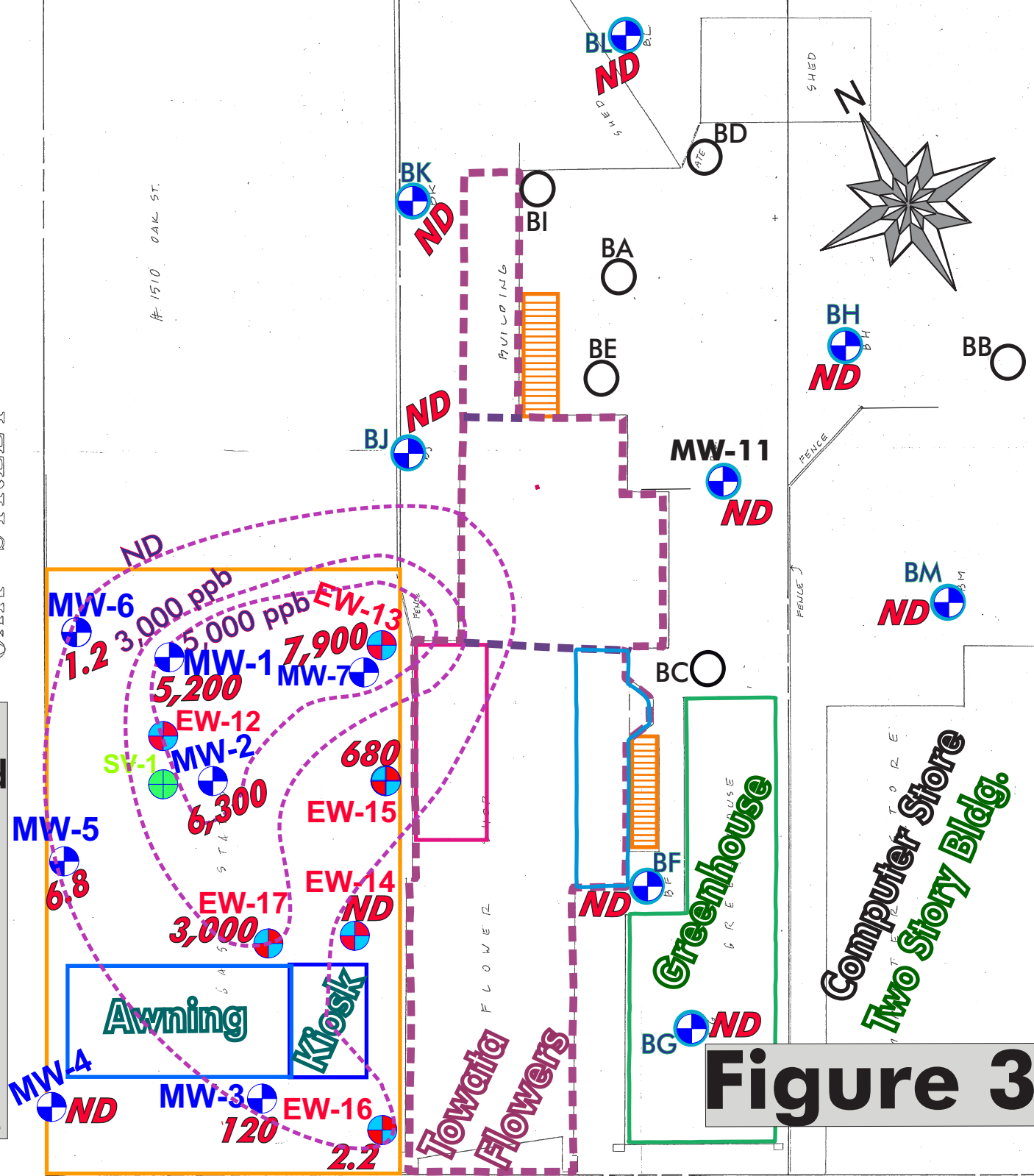
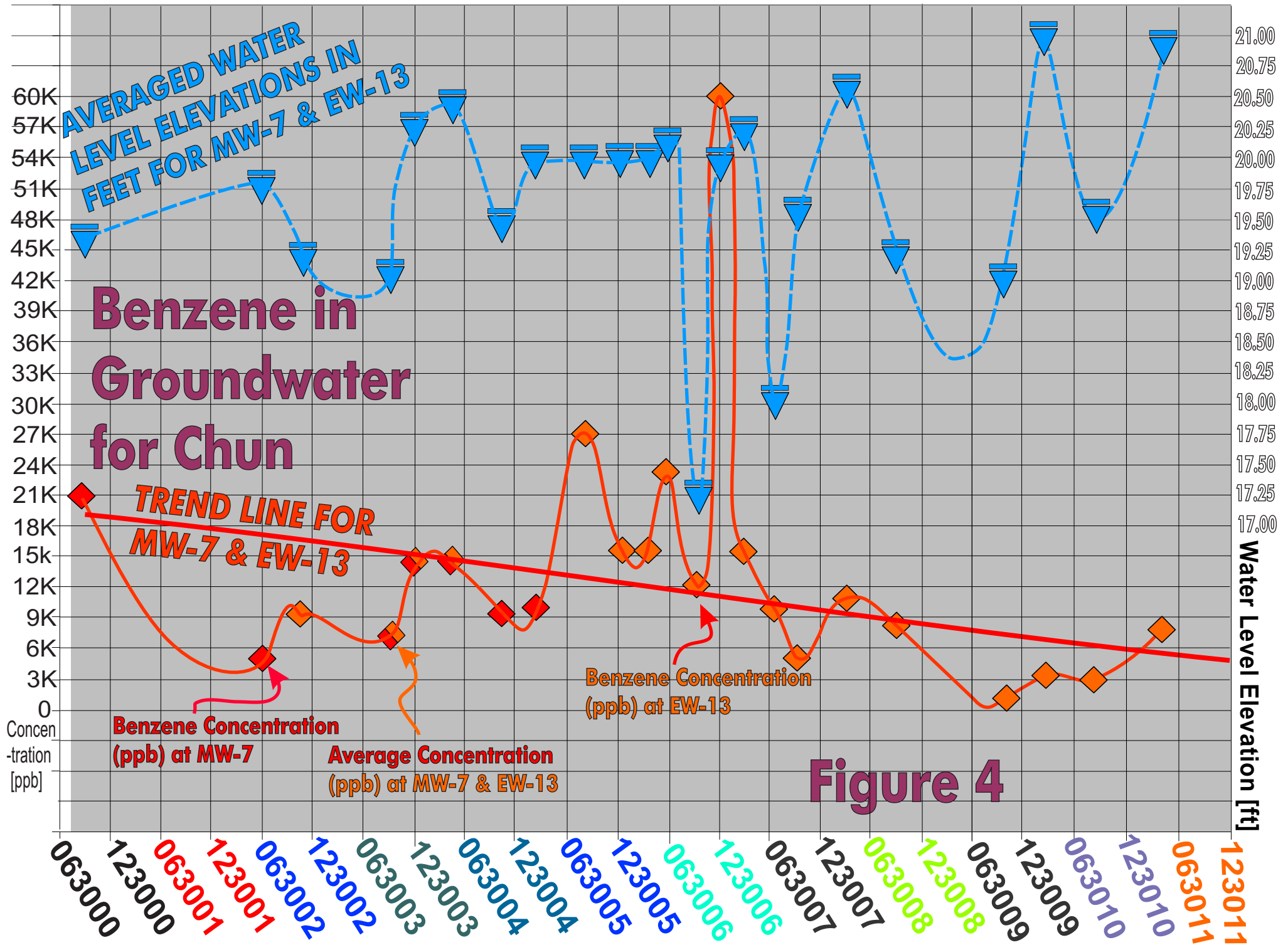
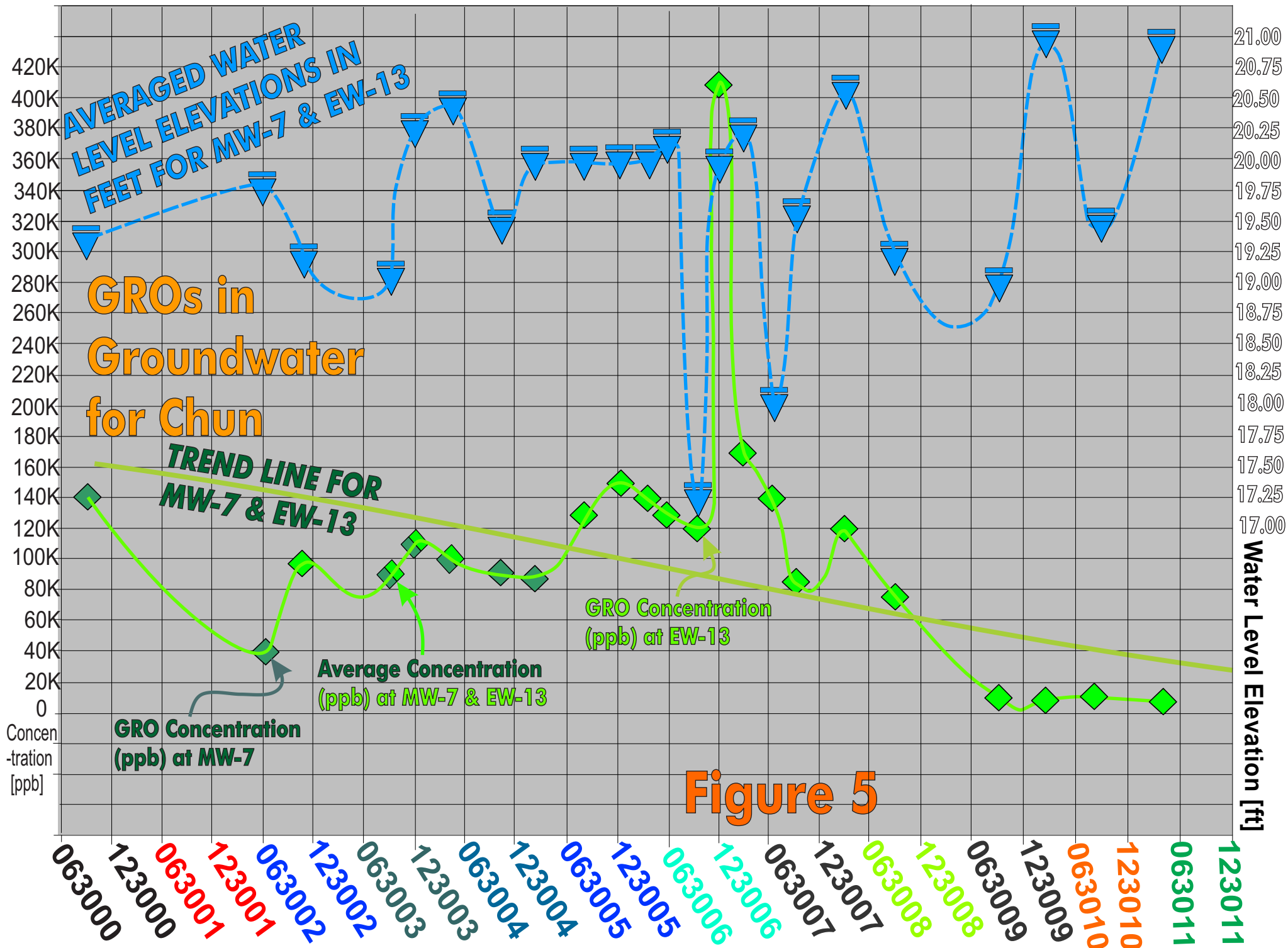


Figure 3





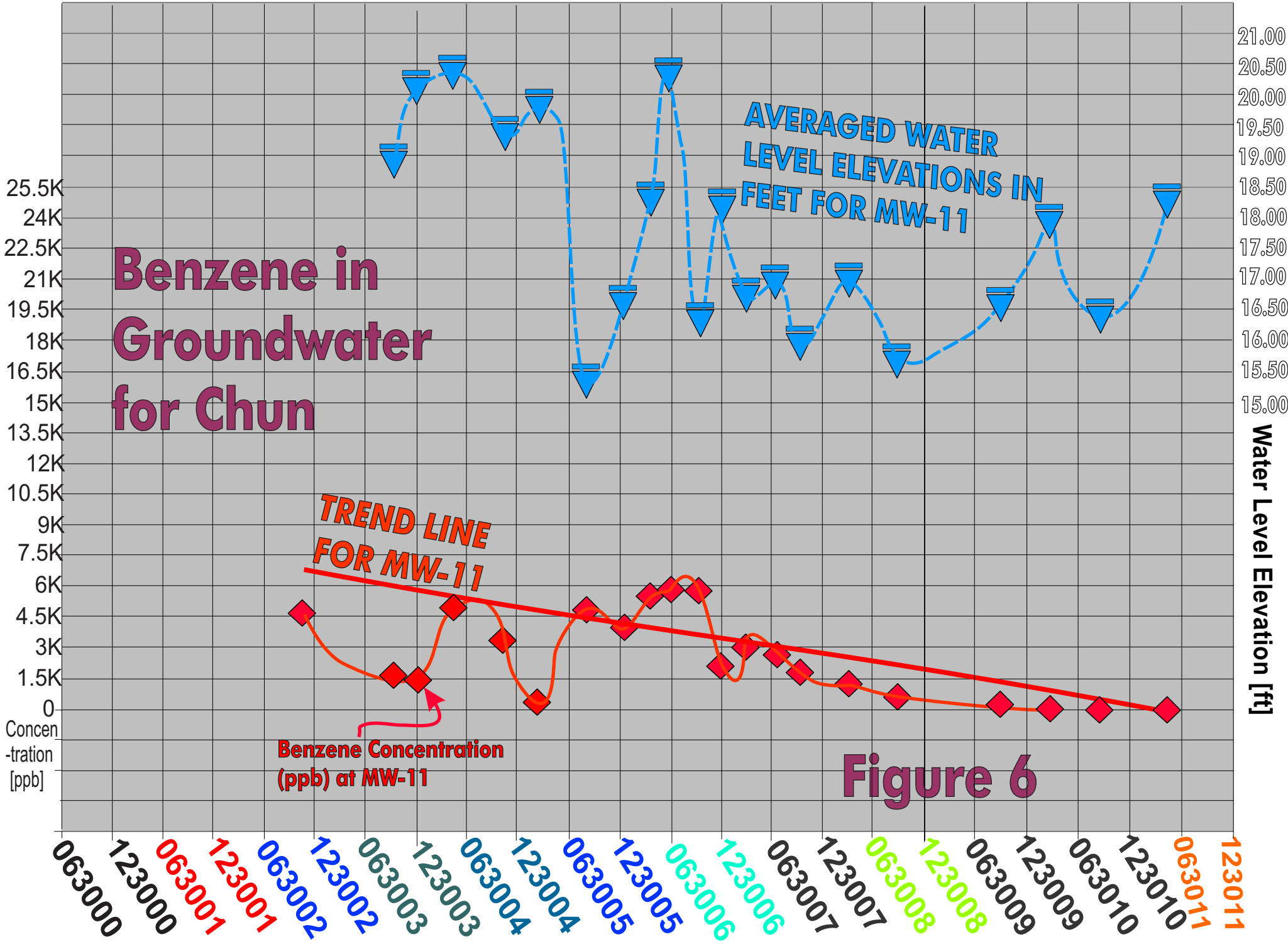


Figure 6

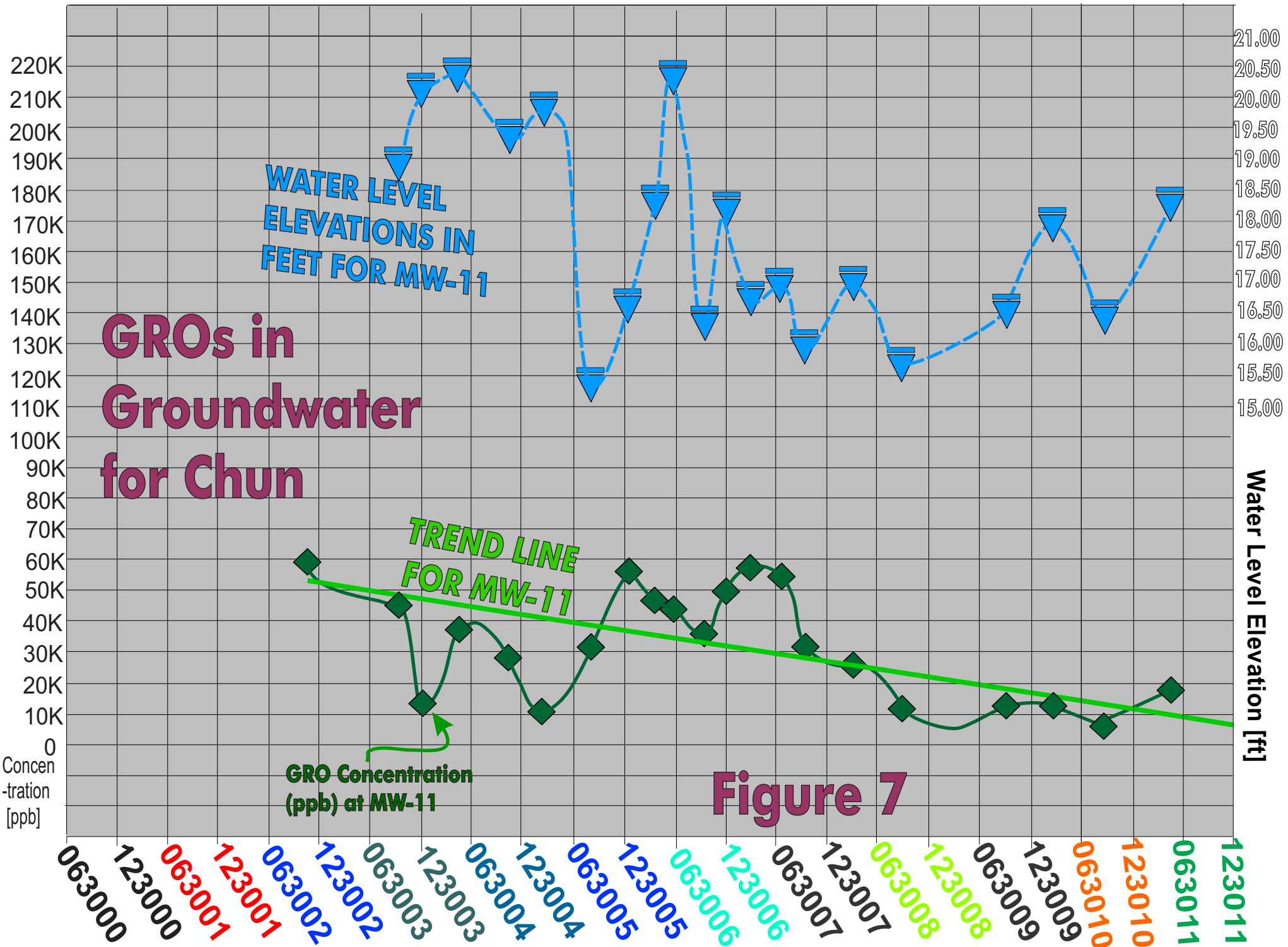


TABLE 1
Depth to Groundwater Measurements April 22, 2011
Chun/Towata Properties - 2301 Santa Clara Avenue, Alameda

Well No.	Depth to Water from TOC (feet bgs)	TOC Elevation (feet) MSN	Water Level Elevation (feet)
MW-1	7.42	28.49	21.07
MW-2	7.57	28.47	20.90
MW-3	8.17	28.78	20.61
MW-4	7.89	28.53	20.64
MW-5	7.47	28.33	20.86
MW-6	7.19	28.36	21.17
MW-7		28.44	
MW-8	8.96	28.17	19.21
MW-9	5.28	27.45	22.17
MW-10	5.89	27.32	21.43
MW-11	6.86	25.17	18.31
EW-12		28.25	
EW-13	7.71	28.64	20.93
EW-14	8.40	29.21	20.81
EW-15	7.88	28.71	20.83
EW-16	9.61	29.02	19.41
EW-17	8.14	28.95	20.81
BL	7.01	25.37	18.36
BK	4.26	25.02	20.76
BJ	4.07	25.03	20.96
BH	8.60	25.18	16.58
BM	8.04	25.17	17.13
BF	8.10	25.66	17.56
BG	10.76	25.85	15.09

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

Well Identification	Date	GROs	Benzene
MW-1	(04-21-11)	12,000	5,100
	(08-21-10)	3,100	1,300
	(02-27-10)	4,100	1,600
	(09-26-09)	4,100	1,600
	(09-06-08)	8,300	2,300
	(03-09-08)	45,000	9,400
	(09-23-07)	22,000	4,700
	(07-08-07)	57,000	11,000
	(03-24-07)	71,000	15,000
	(01-04-07)	46,000	6,500
	(09-05-06)	62,000	17,000
	(06-11-06)	65,000	21,000
	(03-13-06)	72,000	17,000
	(11-26-05)	6,400	2,600
	(08-20-05)	35,000	14,000
	(08-08-04)	29,000	9,700
	(04-24-04)	33,000	8,000
	(12-25-03)	12,000	3,400
	(09-20-03)	19,000	4,900
	(07-04-02)	43,000	7,200
(09-17-00)	65,000	15,000	
MW-2	(04-21-11)	11,000	6,300
	(08-21-10)	4,700	1,500
	(02-27-10)	3,600	2,500

Well Identification	Date	GROs	Benzene
MW-3	(09-25-09)	5,500	1,800
	(09-06-08)	6,300	3,000
	(03-09-08)	37,000	10,700
	(09-23-07)	14,000	6,700
	(07-08-07)	56,000	5,400
	(03-24-07)	52,000	12,000
	(01-04-07)	17,000	4,300
	(09-05-06)	24,000	8,100
	(06-11-06)	37,000	12,000
	(03-13-06)	50,000	15,000
	(11-26-05)	38,000	11,000
	(08-20-05)	31,000	10,000
	(08-08-04)	21,000	6,800
	(04-24-04)	44,000	8,400
	(12-25-03)	46,000	6,100
	(09-21-03)	27,000	2,400
	(07-04-02)	41,000	5,600
	(09-17-00)	140,000	21,000
	(04-21-11)	1,100	120
	(08-21-10)	100	<0.5
	(02-27-10)	720	120
	(09-26-09)	2,200	240
	(09-06-08)	2,600	500
(03-09-08)	7,300	1,300	
(09-22-07)	1,300	5,600	
(07-08-07)	5,600	1,500	
(03-24-07)	8,000	1,600	
(01-04-07)	5,500	1,400	

Well Identification	Date	GROs	Benzene
MW-4	(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
	(04-21-11)	<100	<0.50
	(08-20-10)	<100	<0.50
	(02-27-10)	130	<0.50
	(09-26-09)	<100	<0.50
	(09-05-08)	170	<0.50
	(03-08-08)	860	<0.50
	(09-23-07)	<100	<0.50
	(07-08-07)	<100	<0.50
	(03-24-07)	120	<0.50
	(01-04-07)	<100	<0.50
	(09-05-06)	760	<0.50
	(06-12-06)	1,500	0.89
	(03-13-06)	320	<0.50
	(11-26-05)	<100	<0.50
	(08-20-05)	1,100	1.5
	(08-08-04)	ND	ND
(04-24-04)	3,000	0.97	

Well Identification	Date	GROs	Benzene
MW-5	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-04-02)	ND	ND
	(09-17-00)	ND	ND
	(04-21-11)	2,500	6.8
	(08-20-10)	840	0.7
	(02-27-10)	2,100	5.8
	(09-25-09)	4,000	7.9
	(09-05-08)	740	<0.50
	(03-08-08)	16,000	50
	(09-24-07)	16,000	490
	(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	
MW-6	(09-17-00)	44,000	490
	(04-21-11)	360	1.2
	(08-21-10)	<100	<0.50
	(02-27-10)	230	1.3

Well Identification	Date	GROs	Benzene
MW-7	(09-25-09)	170	0.66
	(09-05-08)	730	2.0
	(03-08-08)	1,500	3.4
	(09-23-07)	1,200	2.8
	(07-08-07)	720	2.8
	(03-24-07)	3,300	7.2
	(01-04-07)	390	2.0
	(09-05-06)	1,100	4.4
	(06-12-06)	910	3.3
	(03-13-06)	<100	<0.50
	(11-26-05)	480	1.4
	(08-20-05)	810	<0.5
	(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
	(09-05-06)	62,000	17,000
	(06-12-06)	NA	NA
	(03-13-06)	NA	NA
	(08-20-05)	NA	NA
	(08-08-04)	92,000	9,300
	(04-24-04)	100,000	10,000
	(12-25-03)	110,000	12,000
	(09-21-03)	110,000	4,200
(07-04-02)	140,000	15,000	
(09-17-00)	220,000	32,000	

Well Identification	Date	GROs	Benzene
MW-8	(04-21-11)	<100	<0.5
	(08-20-10)	<100	<0.5
	(02-26-10)	<100	<0.5
	(09-25-09)	<100	<0.5
	(09-05-08)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-21-07)	<100	<0.5
	(07-07-07)	<100	2.0
	(03-22-07)	500	6.0
	(01-06-07)	390	4.4
	(09-06-06)	<100	1.4
	(06-12-06)	<100	<0.5
	(03-13-06)	<100	<0.5
	(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	(04-21-11)	<100	<0.5
	(08-20-10)	<100	<0.5
	(02-26-10)	<100	<0.5
	(09-25-09)	<100	<0.5
	(09-05-08)	<100	<0.5
	(09-05-08)	<100	<0.5

Well Identification	Date	GROs	Benzene
MW-10	(09-21-07)	<100	<0.5
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(09-07-06)	<100	<0.5
	(06-13-06)	<100	<0.5
	(03-13-06)	<100	<0.5
	(11-27-05)	<100	<0.5
	(08-22-05)	<100	<0.5
	(04-24-04)	ND	ND
	(12-25-03)	ND	ND
	(09-20-03)	ND	ND
	(07-03-02)	ND	ND
	(09-17-00)	ND	ND
	(04-21-11)	<100	<0.5
	(08-20-10)	<100	<0.5
	(02-26-10)	<100	<0.5
	(09-05-08)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-21-07)	<100	<0.5
	(07-07-07)	<100	<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	

Well Identification	Date	GROs	Benzene
MW-11	(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
	(04-22-11)	19,000	ND
	(08-20-10)	5,700	ND
	(02-27-10)	13,000	53
	(09-25-09)	14,000	280
	(09-05-08)	11,000	770
	(03-08-08)	26,000	1,100
	(09-22-07)	31,000	2,000
	(07-07-07)	54,000	2,800
	(03-22-07)	57,000	3,000
	(01-05-07)	50,000	2,200
	(09-06-06)	36,000	5,900
	(06-12-06)	44,000	5,900
	(03-13-06)	47,000	5,600
	(11-26-05)	56,000	4,000
	(08-20-05)	31,000	5,100
SV-1	(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
	(06-13-06)	NA	NA
	(03-13-06)	NA	NA
	(11-26-05)	NA	NA

Well Identification	Date	GROs	Benzene
EW-12	(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
	(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
EW-13	(09-21-03)	19,000	590
	(10-31-02)	5,840	75.7
	(04-21-11)	44,000	7,900
	(08-22-10)	14,000	2,600
	(02-27-10)	11,000	3,500
	(09-25-09)	12,000	1,200
	(09-06-08)	73,000	7,900
	(03-09-08)	120,000	11,000
	(09-24-07)	84,000	5,400
	(07-09-07)	140,000	10,000
(03-25-07)	170,000	16,000	

Well Identification	Date	GROs	Benzene
EW-14	(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
	(04-21-11)	<100	<0.5
	(08-21-10)	<100	<0.5
	(02-27-10)	<100	<0.5
	(09-27-09)	1,700	520
	(09-06-08)	12,000	4,000
	(03-09-08)	1,200	340
	(09-23-07)	41,000	9,900
	(07-09-07)	54,000	14,000
	(03-25-07)	25,000	5,400
	(01-04-07)	30,000	7,000
	(09-06-06)	20,000	4,700
	(06-11-06)	2,300	1,100
	(03-13-06)	1,300	360
	(11-27-05)	53,000	10,000
	(08-22-05)	26,000	7,100
	(08-08-04)	14,000	6,300
	(04-24-04)	9,400	4,100

Well Identification	Date	GROs	Benzene
EW-15	(12-25-03)	26,000	5,300
	(09-22-03)	68,000	4,100
	(04-21-11)	3,600	680
	(08-22-10)	1,600	200
	(02-27-10)	720	250
	(09-26-09)	8,800	1,400
	(09-06-08)	19,000	7,100
	(03-09-08)	1,600	200
	(09-23-07)	59,000	14,000
	(07-09-07)	46,000	5,200
	(03-25-07)	23,000	2,100
	(01-05-07)	30,000	9,700
	(09-05-06)	51,000	8,200
	(06-11-06)	25,000	2,900
	(03-13-06)	12,000	1,900
EW-16	(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
	(04-21-10)	190	2.2
	(08-21-10)	<100	<0.50
	(02-27-10)	220	<0.50
	(09-26-09)	390	<0.50
	(09-05-08)	310	<0.50
	(03-08-08)	820	100
	(09-22-07)	2,200	4.2
(07-09-07)	2,300	53	
(03-25-07)	1,800	420	

Well Identification	Date	GROs	Benzene
EW-17	(01-04-07)	370	2.9
	(09-05-06)	2,100	210
	(06-11-06)	1,400	680
	(03-13-06)	900	400
	(11-26-05)	1,600	160
	(08-20-05)	1,600	410
	(08-08-04)	2,500	590
	(01-21-04)	1,500	290
	(04-21-11)	6,500	3,000
	(08-21-10)	2,900	1,200
	(02-27-10)	2,600	1,500
	(09-27-09)	4,200	1,400
	(09-06-08)	7,500	3,200
	(03-09-08)	31,000	7,600
	(09-23-07)	26,000	5,300
	(07-09-07)	40,000	7,600
	(03-25-07)	44,000	7,900
	(01-04-07)	27,000	8,100
	(09-06-06)	26,000	8,900
	BM	(06-11-06)	38,000
(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
(04-21-11)		<100	<0.5
(08-20-10)		<100	<0.5
(02-27-10)		<100	<0.5

Well Identification	Date	GROs	Benzene
BH	(09-25-09)	<100	<0.5
	(09-04-08)	<100	<0.5
	(03-07-08)	<100	<0.5
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(09-06-06)	<100	<0.5
	(06-12-06)	<100	<0.5
	(03-13-06)	<100	<0.5
	(11-26-05)	<100	<0.5
	(08-20-05)	<100	<0.5
	(04-21-11)	<100	<0.50
	(08-20-10)	<100	<0.50
	(02-26-10)	<100	<0.50
	(09-25-09)	<100	1.1
	(09-04-08)	<100	1.1
	(03-07-08)	<100	<0.50
	(09-22-07)	<100	<0.50
	(07-07-07)	<100	<0.50
	(03-22-07)	130	<0.50
(01-05-07)	140	12	
(09-06-06)	<100	<0.50	
(06-12-06)	<100	0.93	
(03-13-06)	<100	<0.50	
(11-26-05)	<100	0.76	
BF	(08-20-05)	<100	<0.5
	(04-22-11)	<100	<0.5
	(08-20-10)	<100	<0.5

Well Identification	Date	GROs	Benzene
BL	(02-28-10)	<100	32
	(09-25-09)	<100	32
	(09-05-08)	690	280
	(03-08-08)	500	250
	(09-22-07)	7,300	2,600
	(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
	(04-21-11)	<100	<0.5
	(08-20-10)	<100	<0.5
	(02-27-10)	<100	1.0
	(09-25-09)	<100	<0.5
	(09-04-08)	<100	<0.5
	(09-22-07)	<100	8.6
(07-07-07)	<100	<0.5	
(03-22-07)	<100	<0.5	
(01-05-07)	<100	<0.5	
(09-07-06)	<100	<0.5	
(06-12-06)	<100	6.8	
(03-13-06)	400	110	
(11-27-05)	<100	<0.5	
(08-22-05)	<100	17	
BG	(04-22-11)	<100	<0.5

Well Identification	Date	GROs	Benzene
BG	(08-20-10)	<100	<0.5
	(02-28-10)	<100	<0.5
	(09-25-09)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-22-07)	<100	<0.5
	(07-07-07)	<100	<0.5
	(03-22-07)	120	<0.5
	(01-05-07)	<100	<0.5
BK	(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
	(04-22-11)	<100	<0.5
	(08-20-10)	<100	<0.5
	(02-28-10)	<100	<0.5
	(09-05-08)	<100	0.67
	(03-07-08)	<100	<0.5
	(09-22-07)	450	18
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
(01-06-07)	<100	<0.5	
BJ	(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
	(04-22-11)	<100	<0.5

Well Identification	Date	GROs	Benzene
	(08-20-10)	<100	<0.5
	(02-28-10)	<100	<0.5
	(09-25-09)	<100	<0.5
	(09-05-08)	<100	<0.5
	(03-08-08)	<100	<0.5
	(09-22-07)	150	4.0
	(07-07-07)	<100	<0.5
	(03-22-07)	<100	<0.5
	(01-06-07)	<100	<0.5
	(09-07-06)	<100	<0.5
	(06-11-06)	<100	<0.5
	(03-13-06)	790	<0.5
	(11-27-05)	6,800	90
	(08-22-05)	1,500	14

Appendix A
Well Purging Logs

Sampling Event Logs - Chun - April 21 & 22, 2011

MW-4	DTW 7.89'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		2.0	70.1	945	6.9	7:25 am	
		2.0	70.1	950	6.9	7:45 am	
		2.0	70.1	961	6.9	8:10 am	

MW-5	DTW 7.47'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		2.0	68.0	921	7.0	8:15 am	
		2.0	68.5	922	7.1	8:30 am	
		2.0	70.0	930	7.1	8:50 am	

MW-6	DTW 7.19'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
Broken well casing		2.0	70.2	921	7.0	8:55 am	04-21-11
		2.0	70.2	923	7.0	9:05 am	
		2.0	70.6	930	7.0	9:20 am	

MW-1	DTW 7.42'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
Damaged well cover		2.0	69.8	902	7.0	9:30 am	
		2.0	70.0	911	7.0	9:35 am	
		2.0	70.2	912	7.0	9:45 am	

MW-2	DTW 7.57'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-08
Damaged well cover		2.0	70.0	922	6.9	9:55 am	
Mod strong odor		2.0	70.1	924	6.9	10:05 am	
		2.0	70.2	924	7.0	10:25 am	

MW-3	DTW 8.17'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		2.0	70.0	924	7.0	10:35 am	
		2.0	70.1	925	7.0	10:45 am	
		2.0	70.2	927	7.0	11:00 am	

EW-16	DTW 9.61'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		4.0	69.3	804	6.9	11:15 am	
		4.0	69.4	811	7.0	11:30 am	
		4.0	69.9	811	7.0	11:45 am	

EW-17	DTW 8.14'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		4.0	70.0	927	6.9	11:55 am	
		4.0	70.0	931	6.9	12:10 pm	
		4.0	70.3	940	6.9	12:30 pm	

EW-15	DTW 7.88'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		4.0	70.0	933	7.0	12:45 pm	
		4.0	70.1	943	7.0	12:55 pm	
		4.0	70.1	951	7.0	1:10 pm	

EW-14	DTW 8.40'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		4.0	69.8	965	7.0	1:20 pm	
		4.0	69.8	970	7.0	1:30 pm	
		4.0	69.9	971	7.0	1:45 pm	

EW-13	DTW 7.71'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
Mod strong odor		4.0	69.8	931	7.0	1:55 pm	
		4.0	69.9	933	7.0	2:05 pm	
		4.0	70.3	935	7.0	2:20 pm	

MW-8	DTW 8.96'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
Well head lid missing		2.0	70.8	956	7.0	2:30 pm	
and silted up at initial bailing		2.0	71.3	958	7.1	2:40 pm	
		2.0	71.2	967	7.1	2:50 pm	

MW-9	DTW 5.28'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
Well head badly damaged and silted up at initial bailing		2.0	69.8	944	7.0	2:55 pm	
		2.0	68.8	947	7.0	3:00 pm	
		2.0	68.8	948	7.0	3:10 pm	

MW-10	DTW 5.89'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
Well head damaged and silted up at initial bailing		2.0	69.7	933	7.0	3:15 pm	
		2.0	69.8	936	7.0	3:20 pm	
		2.0	69.9	940	7.0	3:30 pm	

BL	DTW 7.01'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		2.5	70.0	971	7.0	3:35 pm	
		2.5	70.0	970	7.0	3:45 pm	
		2.5	70.0	970	7.0	3:55 pm	

BH	DTW 8.60'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-21-11
		2.5	70.1	934	7.0	4:00 pm	
		2.5	70.1	935	7.0	4:10 pm	
		2.5	70.2	935	7.0	4:15 pm	

BM	DTW 8.04'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	03-07-11
		2.5	69.3	658	7.0	4:20 pm	
		2.5	69.6	658	7.0	4:25 pm	
		2.5	69.6	660	7.0	4:35 pm	

BK	DTW 4.26'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-22-11
Well head covered with debris and silted up at initial bailing. Well began to go dry		1.5	72.1	921	7.0	9:30 am	
		1.0	71.3	927	7.0	9:45 am	
		0.5	71.9	931	7.0	10:05 am	

BJ	DTW 4.07'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-22-11
Well head covered with debris and silted up at initial bailing. Well began to go dry		1.5	69.1	911	7.0	10:15 am	
		1.0	69.1	922	7.0	10:20 am	
		0.5	69.5	923	7.0	10:30 am	

BF	DTW 8.10'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-22-11
Well very silted up at initial bailing. Well began to go dry		2.0	68.9	755	6.9	10:35 am	
		2.0	68.9	761	6.9	10:45 am	
		1.5	68.9	769	6.9	10:55 am	

BG	DTW 10.76'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-22-11
		2.5	70.2	986	7.0	11:05 am	
		2.5	70.2	989	7.0	11:10 am	
		2.5	70.2	990	7.0	11:15 am	

MW-11	DTW 6.86'	Gallons purged	TEMP C/F (Circle One)	EC (us/cm)	PH	TIME	04-22-11
		2.5	70.0	886	7.0	11:30 am	
		2.5	70.0	891	7.0	11:40 am	
		2.5	70.0	901	7.0	11:50 am	

Appendix B
Laboratory Data Sheets



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

May 10, 2011

Frank Goldman
Chun
265 Heron Drive
Pittsburg, CA 94565

Re : Chun
A57228 / 1E03003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/03/11 10:39 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 Analytix.

Sincerely,

Eydie Schwartz
Project Manager

**LABORATORY ANALYSIS RESULTS**

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<u>8260B+OXY+TPHG</u>					
MW-4	1E03003-01	Water	5	04/21/11 08:15	05/03/11 10:39
MW-5	1E03003-02	Water	5	04/21/11 08:55	05/03/11 10:39
MW-6	1E03003-03	Water	5	04/21/11 09:25	05/03/11 10:39
MW-1	1E03003-04	Water	5	04/21/11 09:50	05/03/11 10:39
MW-2	1E03003-05	Water	5	04/21/11 10:30	05/03/11 10:39
MW-3	1E03003-06	Water	5	04/21/11 11:05	05/03/11 10:39
EW-16	1E03003-07	Water	5	04/21/11 11:50	05/03/11 10:39
EW-17	1E03003-08	Water	5	04/21/11 12:35	05/03/11 10:39
EW-15	1E03003-09	Water	5	04/21/11 13:15	05/03/11 10:39
EW-14	1E03003-10	Water	5	04/21/11 13:50	05/03/11 10:39
EW-13	1E03003-11	Water	5	04/21/11 14:30	05/03/11 10:39
MW-8	1E03003-12	Water	5	04/21/11 14:55	05/03/11 10:39
MW-9	1E03003-13	Water	5	04/21/11 15:15	05/03/11 10:39
MW-10	1E03003-14	Water	5	04/21/11 15:35	05/03/11 10:39
BL	1E03003-15	Water	5	04/21/11 16:00	05/03/11 10:39
BH	1E03003-16	Water	5	04/21/11 16:20	05/03/11 10:39
BM	1E03003-17	Water	5	04/21/11 16:40	05/03/11 10:39
BK	1E03003-18	Water	5	04/22/11 10:10	05/03/11 10:39
BJ	1E03003-19	Water	5	04/22/11 10:35	05/03/11 10:39

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
BF	1E03003-20	Water	5	04/22/11 11:00	05/03/11 10:39
BG	1E03003-21	Water	5	04/22/11 11:20	05/03/11 10:39
MW-11	1E03003-22	Water	5	04/22/11 11:55	05/03/11 10:39

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
VOCs, OXY & TPH Gasoline by GC/MS								
Benzene	MW-5	6.8	2.5	ug/L	5	05/03/11	05/03/11	EPA 8260B
Ethylbenzene	MW-5	13	2.5	ug/L	5	05/03/11	05/03/11	EPA 8260B
Gasoline Range Organics (GRO)	MW-5	2500	500	ug/L	5	05/03/11	05/03/11	EPA 8260B
Naphthalene	MW-5	93	10	ug/L	5	05/03/11	05/03/11	EPA 8260B
Toluene	MW-5	32	2.5	ug/L	5	05/03/11	05/03/11	EPA 8260B
1,3,5-Trimethylbenzene	MW-5	45	2.5	ug/L	5	05/03/11	05/03/11	EPA 8260B
1,2,4-Trimethylbenzene	MW-5	69	2.5	ug/L	5	05/03/11	05/03/11	EPA 8260B
o-Xylene	MW-5	91	2.5	ug/L	5	05/03/11	05/03/11	EPA 8260B
m,p-Xylenes	MW-5	340	5.0	ug/L	5	05/03/11	05/03/11	EPA 8260B
Benzene	MW-6	1.2	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
Gasoline Range Organics (GRO)	MW-6	360	100	ug/L	1	05/03/11	05/03/11	EPA 8260B
Naphthalene	MW-6	29	2.0	ug/L	1	05/03/11	05/03/11	EPA 8260B
Toluene	MW-6	1.6	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
1,3,5-Trimethylbenzene	MW-6	3.6	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
1,2,4-Trimethylbenzene	MW-6	16	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
o-Xylene	MW-6	7.0	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
m,p-Xylenes	MW-6	2.4	1.0	ug/L	1	05/03/11	05/03/11	EPA 8260B
Benzene	MW-1	5200	25	ug/L	50	05/03/11	05/04/11	EPA 8260B
Ethylbenzene	MW-1	270	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
Gasoline Range Organics (GRO)	MW-1	12000	1000	ug/L	10	05/03/11	05/04/11	EPA 8260B
Naphthalene	MW-1	230	20	ug/L	10	05/03/11	05/04/11	EPA 8260B
Toluene	MW-1	1700	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
1,3,5-Trimethylbenzene	MW-1	68	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
1,2,4-Trimethylbenzene	MW-1	230	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
o-Xylene	MW-1	390	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
m,p-Xylenes	MW-1	1400	10	ug/L	10	05/03/11	05/04/11	EPA 8260B

Eydie Schwartz

Eydie Schwartz
Project Manager

**LABORATORY ANALYSIS RESULTS**

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Benzene	MW-2	6300	25	ug/L	50	05/03/11	05/04/11	EPA 8260B
Gasoline Range Organics (GRO)	MW-2	11000	2000	ug/L	20	05/03/11	05/04/11	EPA 8260B
Naphthalene	MW-2	210	40	ug/L	20	05/03/11	05/04/11	EPA 8260B
Toluene	MW-2	790	10	ug/L	20	05/03/11	05/04/11	EPA 8260B
1,3,5-Trimethylbenzene	MW-2	69	10	ug/L	20	05/03/11	05/04/11	EPA 8260B
1,2,4-Trimethylbenzene	MW-2	170	10	ug/L	20	05/03/11	05/04/11	EPA 8260B
o-Xylene	MW-2	230	10	ug/L	20	05/03/11	05/04/11	EPA 8260B
m,p-Xylenes	MW-2	1000	20	ug/L	20	05/03/11	05/04/11	EPA 8260B
Benzene	MW-3	120	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
Ethylbenzene	MW-3	2.4	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
Gasoline Range Organics (GRO)	MW-3	1100	100	ug/L	1	05/03/11	05/03/11	EPA 8260B
Naphthalene	MW-3	54	2.0	ug/L	1	05/03/11	05/03/11	EPA 8260B
Toluene	MW-3	2.4	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
1,3,5-Trimethylbenzene	MW-3	7.2	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
1,2,4-Trimethylbenzene	MW-3	5.7	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
o-Xylene	MW-3	46	0.50	ug/L	1	05/03/11	05/03/11	EPA 8260B
m,p-Xylenes	MW-3	42	1.0	ug/L	1	05/03/11	05/03/11	EPA 8260B
Benzene	EW-16	2.2	0.50	ug/L	1	05/03/11	05/04/11	EPA 8260B
Gasoline Range Organics (GRO)	EW-16	190	100	ug/L	1	05/03/11	05/04/11	EPA 8260B
Benzene	EW-17	3000	10	ug/L	20	05/03/11	05/04/11	EPA 8260B
Gasoline Range Organics (GRO)	EW-17	6500	1000	ug/L	10	05/03/11	05/04/11	EPA 8260B
Naphthalene	EW-17	100	20	ug/L	10	05/03/11	05/04/11	EPA 8260B
Toluene	EW-17	110	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
1,3,5-Trimethylbenzene	EW-17	51	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
1,2,4-Trimethylbenzene	EW-17	150	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
o-Xylene	EW-17	320	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
m,p-Xylenes	EW-17	980	10	ug/L	10	05/03/11	05/04/11	EPA 8260B
Benzene	EW-15	680	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B

Eydie Schwartz
Project Manager

**LABORATORY ANALYSIS RESULTS**

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Ethylbenzene	EW-15	27	1.0	ug/L	2	05/03/11	05/04/11	EPA 8260B
Gasoline Range Organics (GRO)	EW-15	3600	200	ug/L	2	05/03/11	05/04/11	EPA 8260B
Naphthalene	EW-15	25	4.0	ug/L	2	05/03/11	05/04/11	EPA 8260B
Toluene	EW-15	870	5.0	ug/L	10	05/03/11	05/04/11	EPA 8260B
1,3,5-Trimethylbenzene	EW-15	21	1.0	ug/L	2	05/03/11	05/04/11	EPA 8260B
1,2,4-Trimethylbenzene	EW-15	31	1.0	ug/L	2	05/03/11	05/04/11	EPA 8260B
o-Xylene	EW-15	340	1.0	ug/L	2	05/03/11	05/04/11	EPA 8260B
m,p-Xylenes	EW-15	440	2.0	ug/L	2	05/03/11	05/04/11	EPA 8260B
Benzene	EW-13	7900	25	ug/L	50	05/04/11	05/04/11	EPA 8260B
Ethylbenzene	EW-13	350	25	ug/L	50	05/04/11	05/04/11	EPA 8260B
Gasoline Range Organics (GRO)	EW-13	44000	5000	ug/L	50	05/04/11	05/04/11	EPA 8260B
Naphthalene	EW-13	240	100	ug/L	50	05/04/11	05/04/11	EPA 8260B
Toluene	EW-13	13000	50	ug/L	100	05/04/11	05/04/11	EPA 8260B
1,3,5-Trimethylbenzene	EW-13	210	25	ug/L	50	05/04/11	05/04/11	EPA 8260B
1,2,4-Trimethylbenzene	EW-13	890	25	ug/L	50	05/04/11	05/04/11	EPA 8260B
o-Xylene	EW-13	2500	25	ug/L	50	05/04/11	05/04/11	EPA 8260B
m,p-Xylenes	EW-13	7000	50	ug/L	50	05/04/11	05/04/11	EPA 8260B
1,3,5-Trimethylbenzene	BH	1.8	0.50	ug/L	1	05/04/11	05/04/11	EPA 8260B
1,2-Dichloroethane (EDC)	BG	2.5	0.50	ug/L	1	05/04/11	05/05/11	EPA 8260B
Methyl-tert-Butyl Ether (MTBE)	BG	6.8	2.0	ug/L	1	05/04/11	05/05/11	EPA 8260B
Ethylbenzene	MW-11	30	5.0	ug/L	10	05/04/11	05/04/11	EPA 8260B
Gasoline Range Organics (GRO)	MW-11	19000	1000	ug/L	10	05/04/11	05/04/11	EPA 8260B
Naphthalene	MW-11	410	20	ug/L	10	05/04/11	05/04/11	EPA 8260B
Toluene	MW-11	29	5.0	ug/L	10	05/04/11	05/04/11	EPA 8260B
1,3,5-Trimethylbenzene	MW-11	380	5.0	ug/L	10	05/04/11	05/04/11	EPA 8260B
1,2,4-Trimethylbenzene	MW-11	1500	5.0	ug/L	10	05/04/11	05/04/11	EPA 8260B
o-Xylene	MW-11	1700	5.0	ug/L	10	05/04/11	05/04/11	EPA 8260B
m,p-Xylenes	MW-11	4800	50	ug/L	50	05/04/11	05/04/11	EPA 8260B

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

Client:	Chun	AA Project No:	A57228
Project No:	NA	Date Received:	05/03/11
Project Name:	Chun	Date Reported:	05/10/11
Method:	VOCs, OXY & TPH Gasoline by GC/MS	Units:	ug/L

Date Sampled:	04/21/11	04/21/11	04/21/11	04/21/11	
Date Prepared:	05/03/11	05/03/11	05/03/11	05/03/11	
Date Analyzed:	05/03/11	05/03/11	05/03/11	05/04/11	
AA ID No:	1E03003-01	1E03003-02	1E03003-03	1E03003-04	
Client ID No:	MW-4	MW-5	MW-6	MW-1	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	5	1	10	MRL

8260B+OXY+TPHG (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<10	<2.0	<20	2.0
Benzene	<0.50	6.8	1.2	5200	0.50
tert-Butyl alcohol (TBA)	<10	<50	<10	<100	10
1,2-Dibromoethane (EDB)	<0.50	<2.5	<0.50	<5.0	0.50
1,2-Dichloroethane (EDC)	<0.50	<2.5	<0.50	<5.0	0.50
Diisopropyl ether (DIPE)	<2.0	<10	<2.0	<20	2.0
Ethylbenzene	<0.50	13	<0.50	270	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<10	<2.0	<20	2.0
Gasoline Range Organics (GRO)	<100	2500	360	12000	100
Methyl-tert-Butyl Ether (MTBE)	<2.0	<10	<2.0	<20	2.0
Naphthalene	<2.0	93	29	230	2.0
Toluene	<0.50	32	1.6	1700	0.50
1,3,5-Trimethylbenzene	<0.50	45	3.6	68	0.50
1,2,4-Trimethylbenzene	<0.50	69	16	230	0.50
o-Xylene	<0.50	91	7.0	390	0.50
m,p-Xylenes	<1.0	340	2.4	1400	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	92%	92%	91%	92%	70-140
Dibromofluoromethane	99%	101%	100%	104%	70-140
Toluene-d8	96%	93%	94%	93%	70-140

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11
Units: ug/L

Date Sampled:	04/21/11	04/21/11	04/21/11	04/21/11	
Date Prepared:	05/03/11	05/03/11	05/03/11	05/03/11	
Date Analyzed:	05/04/11	05/03/11	05/04/11	05/04/11	
AA ID No:	1E03003-05	1E03003-06	1E03003-07	1E03003-08	
Client ID No:	MW-2	MW-3	EW-16	EW-17	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	20	1	1	10	MRL

8260B+OXY+TPHG (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<40	<2.0	<2.0	<20	2.0
Benzene	6300	120	2.2	3000	0.50
tert-Butyl alcohol (TBA)	<200	<10	<10	<100	10
1,2-Dibromoethane (EDB)	<10	<0.50	<0.50	<5.0	0.50
1,2-Dichloroethane (EDC)	<10	<0.50	<0.50	<5.0	0.50
Diisopropyl ether (DIPE)	<40	<2.0	<2.0	<20	2.0
Ethylbenzene	<10	2.4	<0.50	<5.0	0.50
Ethyl-tert-Butyl Ether (ETBE)	<40	<2.0	<2.0	<20	2.0
Gasoline Range Organics (GRO)	11000	1100	190	6500	100
Methyl-tert-Butyl Ether (MTBE)	<40	<2.0	<2.0	<20	2.0
Naphthalene	210	54	<2.0	100	2.0
Toluene	790	2.4	<0.50	110	0.50
1,3,5-Trimethylbenzene	69	7.2	<0.50	51	0.50
1,2,4-Trimethylbenzene	170	5.7	<0.50	150	0.50
o-Xylene	230	46	<0.50	320	0.50
m,p-Xylenes	1000	42	<1.0	980	1.0

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	93%	91%	93%	92%	70-140
Dibromofluoromethane	103%	97%	104%	99%	70-140
Toluene-d8	91%	96%	93%	97%	70-140

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11
Units: ug/L

Date Sampled:	04/21/11	04/21/11	04/21/11	04/21/11	
Date Prepared:	05/03/11	05/04/11	05/04/11	05/04/11	
Date Analyzed:	05/04/11	05/04/11	05/04/11	05/04/11	
AA ID No:	1E03003-09	1E03003-10	1E03003-11	1E03003-12	
Client ID No:	EW-15	EW-14	EW-13	MW-8	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	2	1	50	1	MRL

8260B+OXY+TPHG (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<4.0	<2.0	<100	<2.0	2.0
Benzene	680	<0.50	7900	<0.50	0.50
tert-Butyl alcohol (TBA)	<20	<10	<500	<10	10
1,2-Dibromoethane (EDB)	<1.0	<0.50	<25	<0.50	0.50
1,2-Dichloroethane (EDC)	<1.0	<0.50	<25	<0.50	0.50
Diisopropyl ether (DIPE)	<4.0	<2.0	<100	<2.0	2.0
Ethylbenzene	27	<0.50	350	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<4.0	<2.0	<100	<2.0	2.0
Gasoline Range Organics (GRO)	3600	<100	44000	<100	100
Methyl-tert-Butyl Ether (MTBE)	<4.0	<2.0	<100	<2.0	2.0
Naphthalene	25	<2.0	240	<2.0	2.0
Toluene	870	<0.50	13000	<0.50	0.50
1,3,5-Trimethylbenzene	21	<0.50	210	<0.50	0.50
1,2,4-Trimethylbenzene	31	<0.50	890	<0.50	0.50
o-Xylene	340	<0.50	2500	<0.50	0.50
m,p-Xylenes	440	<1.0	7000	<1.0	1.0

Surrogates

					<u>%REC Limits</u>
4-Bromofluorobenzene	91%	92%	93%	92%	70-140
Dibromofluoromethane	100%	100%	98%	101%	70-140
Toluene-d8	89%	94%	88%	93%	70-140

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

Client:	Chun	AA Project No:	A57228
Project No:	NA	Date Received:	05/03/11
Project Name:	Chun	Date Reported:	05/10/11
Method:	VOCs, OXY & TPH Gasoline by GC/MS	Units:	ug/L

Date Sampled:	04/21/11	04/21/11	04/21/11	04/21/11	
Date Prepared:	05/04/11	05/04/11	05/04/11	05/04/11	
Date Analyzed:	05/04/11	05/04/11	05/04/11	05/04/11	
AA ID No:	1E03003-13	1E03003-14	1E03003-15	1E03003-16	
Client ID No:	MW-9	MW-10	BL	BH	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<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
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	1.8	0.50
1,2,4-Trimethylbenzene	<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	90%	90%	90%	92%	70-140
Dibromofluoromethane	100%	101%	102%	100%	70-140
Toluene-d8	92%	90%	93%	95%	70-140

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

Client:	Chun	AA Project No:	A57228
Project No:	NA	Date Received:	05/03/11
Project Name:	Chun	Date Reported:	05/10/11
Method:	VOCs, OXY & TPH Gasoline by GC/MS	Units:	ug/L

Date Sampled:	04/21/2011	04/22/2011	04/22/2011	04/22/2011	
Date Prepared:	05/04/11	05/04/11	05/04/11	05/04/11	
Date Analyzed:	05/04/11	05/04/11	05/04/11	05/05/11	
AA ID No:	1E03003-17	1E03003-18	1E03003-19	1E03003-20	
Client ID No:	BM	BK	BJ	BF	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL

8260B+OXY+TPHG (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<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
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
Toluene	<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
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

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	94%	91%	91%	92%	70-140
Dibromofluoromethane	99%	101%	105%	102%	70-140
Toluene-d8	97%	90%	91%	94%	70-140

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

Client:	Chun	AA Project No:	A57228
Project No:	NA	Date Received:	05/03/11
Project Name:	Chun	Date Reported:	05/10/11
Method:	VOCs, OXY & TPH Gasoline by GC/MS	Units:	ug/L

Date Sampled:	04/22/11	04/22/11	
Date Prepared:	05/04/11	05/04/11	
Date Analyzed:	05/05/11	05/04/11	
AA ID No:	1E03003-21	1E03003-22	
Client ID No:	BG	MW-11	
Matrix:	Water	Water	
Dilution Factor:	1	10	MRL

8260B+OXY+TPHG (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<2.0	<20	2.0
Benzene	<0.50	<5.0	0.50
tert-Butyl alcohol (TBA)	<10	<100	10
1,2-Dibromoethane (EDB)	<0.50	<5.0	0.50
1,2-Dichloroethane (EDC)	2.5	<5.0	0.50
Diisopropyl ether (DIPE)	<2.0	<20	2.0
Ethylbenzene	<0.50	30	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<20	2.0
Gasoline Range Organics (GRO)	<100	19000	100
Methyl-tert-Butyl Ether (MTBE)	6.8	<20	2.0
Naphthalene	<2.0	410	2.0
Toluene	<0.50	29	0.50
1,3,5-Trimethylbenzene	<0.50	380	0.50
1,2,4-Trimethylbenzene	<0.50	1500	0.50
o-Xylene	<0.50	1700	0.50
m,p-Xylenes	<1.0	4800	1.0

<u>Surrogates</u>			<u>%REC Limits</u>
4-Bromofluorobenzene	91%	90%	70-140
Dibromofluoromethane	103%	105%	70-140
Toluene-d8	94%	93%	70-140

Eydie Schwartz

Eydie Schwartz
Project Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
 Project No: NA
 Project Name: Chun

AA Project No: A57228
 Date Received: 05/03/11
 Date Reported: 05/10/11

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
<i>Batch B1E0303 - EPA 5030B</i>										
Blank (B1E0303-BLK1)										
Prepared & Analyzed: 05/03/11										
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
tert-Butyl alcohol (TBA)	<10	10	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Naphthalene	<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							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.1		ug/L	50		92.3	70-140			
<i>Surrogate: Dibromofluoromethane</i>	48.1		ug/L	50		96.2	70-140			
<i>Surrogate: Toluene-d8</i>	46.9		ug/L	50		93.7	70-140			
LCS (B1E0303-BS1)										
Prepared & Analyzed: 05/03/11										
Benzene	20.1	0.50	ug/L	20		101	75-125		30	
1,2-Dichloroethane (EDC)	18.3	0.50	ug/L	20		91.5	75-125		30	
Ethylbenzene	18.8	0.50	ug/L	20		94.0	75-125		30	
Methyl-tert-Butyl Ether (MTBE)	21.6	2.0	ug/L	20		108	75-125		30	
Toluene	18.4	0.50	ug/L	20		91.9	75-125		30	
o-Xylene	20.9	0.50	ug/L	20		104	75-125		30	
<i>Surrogate: 4-Bromofluorobenzene</i>	47.3		ug/L	50		94.7	70-140			
<i>Surrogate: Dibromofluoromethane</i>	50.1		ug/L	50		100	70-140			
<i>Surrogate: Toluene-d8</i>	46.6		ug/L	50		93.3	70-140			
Matrix Spike (B1E0303-MS1)										
Source: 1E02001-01 Prepared & Analyzed: 05/03/11										
Benzene	20.2	0.50	ug/L	20		101	70-130		30	

Eydie Schwartz

Eydie Schwartz
 Project Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
 Project No: NA
 Project Name: Chun

AA Project No: A57228
 Date Received: 05/03/11
 Date Reported: 05/10/11

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B1E0303 - EPA 5030B

Matrix Spike (B1E0303-MS1) Continued Source: 1E02001-01 Prepared & Analyzed: 05/03/11

Ethylbenzene	18.4	0.50	ug/L	20		92.2	70-130		30	
Methyl-tert-Butyl Ether (MTBE)	22.8	2.0	ug/L	20		114	70-130		30	
Toluene	18.2	0.50	ug/L	20		91.2	70-130		30	
1,3,5-Trimethylbenzene	17.8	0.50	ug/L	20		89.0	70-130		30	
Surrogate: 4-Bromofluorobenzene	44.7		ug/L	50		89.4	70-140			
Surrogate: Dibromofluoromethane	50.8		ug/L	50		102	70-140			
Surrogate: Toluene-d8	45.5		ug/L	50		90.9	70-140			

Matrix Spike Dup (B1E0303-MSD1) Source: 1E02001-01 Prepared & Analyzed: 05/03/11

Benzene	20.4	0.50	ug/L	20		102	70-130	1.03	30	
Ethylbenzene	18.1	0.50	ug/L	20		90.5	70-130	1.86	30	
Methyl-tert-Butyl Ether (MTBE)	24.1	2.0	ug/L	20		120	70-130	5.32	30	
Toluene	17.5	0.50	ug/L	20		87.4	70-130	4.20	30	
1,3,5-Trimethylbenzene	17.3	0.50	ug/L	20		86.6	70-130	2.68	30	
Surrogate: 4-Bromofluorobenzene	45.0		ug/L	50		90.0	70-140			
Surrogate: Dibromofluoromethane	50.8		ug/L	50		102	70-140			
Surrogate: Toluene-d8	43.0		ug/L	50		85.9	70-140			

Batch B1E0402 - EPA 5030B

Blank (B1E0402-BLK1)

Prepared & Analyzed: 05/04/11

tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
tert-Butyl alcohol (TBA)	<10	10	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Naphthalene	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							

Eydie Schwartz

Eydie Schwartz
 Project Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
 Project No: NA
 Project Name: Chun

AA Project No: A57228
 Date Received: 05/03/11
 Date Reported: 05/10/11

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										
<i>Batch B1E0402 - EPA 5030B</i>										
Blank (B1E0402-BLK1) Continued Prepared & Analyzed: 05/04/11										
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							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.2		ug/L	50		92.4	70-140			
<i>Surrogate: Dibromofluoromethane</i>	49.8		ug/L	50		99.6	70-140			
<i>Surrogate: Toluene-d8</i>	45.7		ug/L	50		91.4	70-140			
LCS (B1E0402-BS1) Prepared & Analyzed: 05/04/11										
Benzene	20.5	0.50	ug/L	20		102	75-125		30	
1,2-Dichloroethane (EDC)	19.3	0.50	ug/L	20		96.4	75-125		30	
Ethylbenzene	19.0	0.50	ug/L	20		95.0	75-125		30	
Methyl-tert-Butyl Ether (MTBE)	21.0	2.0	ug/L	20		105	75-125		30	
Toluene	19.1	0.50	ug/L	20		95.4	75-125		30	
o-Xylene	20.8	0.50	ug/L	20		104	75-125		30	
<i>Surrogate: 4-Bromofluorobenzene</i>	45.2		ug/L	50		90.4	70-140			
<i>Surrogate: Dibromofluoromethane</i>	50.8		ug/L	50		102	70-140			
<i>Surrogate: Toluene-d8</i>	45.4		ug/L	50		90.8	70-140			
Matrix Spike (B1E0402-MS1) Source: 1E03003-12 Prepared & Analyzed: 05/04/11										
Benzene	20.3	0.50	ug/L	20	<0.50	102	70-130		30	
Ethylbenzene	18.7	0.50	ug/L	20	<0.50	93.6	70-130		30	
Methyl-tert-Butyl Ether (MTBE)	22.6	2.0	ug/L	20	<2.0	113	70-130		30	
Toluene	18.7	0.50	ug/L	20	<0.50	93.5	70-130		30	
1,3,5-Trimethylbenzene	17.3	0.50	ug/L	20	<0.50	86.5	70-130		30	
<i>Surrogate: 4-Bromofluorobenzene</i>	43.7		ug/L	50		87.3	70-140			
<i>Surrogate: Dibromofluoromethane</i>	50.0		ug/L	50		99.9	70-140			
<i>Surrogate: Toluene-d8</i>	45.0		ug/L	50		90.1	70-140			
Matrix Spike Dup (B1E0402-MSD1) Source: 1E03003-12 Prepared & Analyzed: 05/04/11										
Benzene	20.6	0.50	ug/L	20	<0.50	103	70-130	1.08	30	
Ethylbenzene	19.1	0.50	ug/L	20	<0.50	95.4	70-130	1.80	30	
Methyl-tert-Butyl Ether (MTBE)	22.6	2.0	ug/L	20	<2.0	113	70-130	0.133	30	
Toluene	19.1	0.50	ug/L	20	<0.50	95.6	70-130	2.17	30	

Eydie Schwartz

Eydie Schwartz
 Project Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
 Project No: NA
 Project Name: Chun

AA Project No: A57228
 Date Received: 05/03/11
 Date Reported: 05/10/11

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										
<i>Batch B1E0402 - EPA 5030B</i>										
Matrix Spike Dup (B1E0402-MSD1) Source: 1E03003-12 Prepared & Analyzed: 05/04/11										
Continued										
1,3,5-Trimethylbenzene	17.3	0.50	ug/L	20	<0.50	86.6	70-130	0.116	30	
Surrogate: 4-Bromofluorobenzene	44.0		ug/L	50		88.1	70-140			
Surrogate: Dibromofluoromethane	52.1		ug/L	50		104	70-140			
Surrogate: Toluene-d8	45.1		ug/L	50		90.2	70-140			

Eydie Schwartz

Eydie Schwartz
 Project Manager



LABORATORY ANALYSIS RESULTS

Client: Chun
Project No: NA
Project Name: Chun

AA Project No: A57228
Date Received: 05/03/11
Date Reported: 05/10/11

Special Notes

Eydie Schwartz

Eydie Schwartz
Project Manager

Frank Goldman
 PO BOX 224, Roseville, CA 95678
 FJGoldmanCHG@yahoo.com
 Phone: (916) 676-2677

CHAIN OF CUSTODY RECORD


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

AS7228/1E03003

12633 Date: _____ Sheet 1 of 3

Project Name Chun
 Project Number _____
 Address 2301 SANTA CLARA
ALAMEDA, CA 94501

Sampler's Name:
Frank Goldman

Sampler's Signature:


Parameters

TPH as Gasoline 8015	TPH as Diesel 8015	TPH-9/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers	GRO, BTEX, 2 Lead Scav, 5 Day	Naphthalene, Trimethylbenzene	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE
1E03003			01												
			2												
			3												
			4												
			5												
			6												
			7												
			8												
			9												
			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
REVIEWED
 Date 5/2/11 Time 1048
 TAT 2 Days Sign: E Schuy

DATE 5/2/11

Sample Number	Location	Date	Time
MW-4		4/2/11	8:15 AM
MW-5			8:55
MW-6			9:25
MW-1			9:50
MW-2			10:30
MW-3			11:05
EW-16			11:50 AM
EW-17			12:35 PM
EW-15			1:15 PM
EW-14			1:50 PM

Relinquished By Frank Goldman Date 4/29/11 Time 4:48
Fedex 5/3/11 1039

Received By Elyse Schuy Date 4/29/11 Time 4:48
5/3/11 039

Special Requirements: _____
 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

Frank Goldman
 PO BOX 224, Roseville, CA 95678
 FJGoldmanCHG@yahoo.com
 Phone: (916) 676-2677

CHAIN OF CUSTODY RECORD

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

A57228/1E03003

112634 Date: _____ Sheet 2 Of 3

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

				Parameters																
Sample Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers	GRO, BTEX, 2 Lead Scav, 5 Oxy	Naphthalene, Trimethylbenzene	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE	
EW-13		4/24/11	2:30			1E03003-11														
MW-8		4/21/11	2:55				12													
MW-9		4/21/11	3:15				13													
MW-10		4/21/11	3:35 PM				14													
BL		4/21/11	4:00 PM				15													
BH		4/21/11	4:20 PM				16													
BM		4/21/11	4:40 PM				17													
BK		4/22/11	10:10 AM				18													
BJ		4/22/11	10:35 AM				19													
BF		4/22/11	11:00 AM				20													

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
 Note: Do not run if holding times are exceeded or if a rush charge is to be applied.
 Note: all 22 sample shipped as 2 ice chests

REVIEWED
 Date 5/3/11 Time 1049
 TAT 2 Days Sign: [Signature]

Relinquished By
Frank Goldman
 Date 4/29/11 Time 4:40
 Method FedEx
 Date 5/3/11 Time 1039

Received By
Eydie Schweng
 Date 4/29/11 Time 4:45
 Date 5/3/11 Time 1039

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

Frank Goldman
 PO BOX 224, Roseville, CA 95678
 FJGoldmanCHG@yahoo.com
 Phone: (916) 676-2677

CHAIN OF CUSTODY RECORD

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

A57228/1E03003

112035 Date: _____ Sheet 3 of 3

Project Name Chun
 Project Number _____
 Address 2301 SANTA CLARA
ALAMEDA, CA 94501

Sampler's Name:
Frank Goldman

Sampler's Signature:
Frank Goldman

Parameters

Sample Number	Location	Date	Time
BG		4/22/11	11:20 AM
MW-11		4/22/11	11:55 AM

TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8200b for 5 oxygenates & 2 lead scavengers	GAP, BTEX, 2 Lead Scavengers, 5OX's, Naphthalene, Triphenylborane	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE
													X	X
													X	X

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 Goldman

Comments

REVIEWED
 Date 5/13/11 Time 1048
 TAT 3 Days Sign: *E. Schue*

Relinquished By	Date	Time
<i>Frank Goldman</i>	4/29/11	4:45
FeDEX	5/3/11	1039

Received By	Date	Time
<i>E. Schue</i>	4/29/11	4:45
<i>E. Schue</i>	5/3/11	1039

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