HYDRO ANALYSIS, INC.
Environmental & Water Resources Engineering
Groundwater Consultants

REPORT OF

SUBSURFACE INVESTIGATION

Prime Properties

580 West A Street
Hayward, California

November 11, 2005

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I. INTRODUCTION

The subject site is the property located at 580 West A Street in Hayward, California. The location of the site is shown in Figure 1.

The purpose of this proposed subsurface investigation was to install and sample four additional on- and off-site shallow groundwater monitoring wells in order to 1) more fully assess the down-gradient extent and stability of the dissolved-phase hydrocarbon plume that is known to exist beneath the subject site, 2) more fully assess the on-site lateral extent of the dissolved-phase hydrocarbon plume, 3) assess the possibility of some contamination from an up-gradient source (Former EZ Serve Station #100877, 525 West A Street), and 4) provide enough data to develop a site conceptual model.

The scope of work was performed in accordance with the "*Proposed Workplan for Subsurface Investigation, 580 West A Street, Hayward, California*" by Hydro Analysis, Inc., dated February 11, 2005. This workplan was approved by Danilo Galang of the City of Hayward Fire Department. Pertinent correspondence is provided in Attachment A.

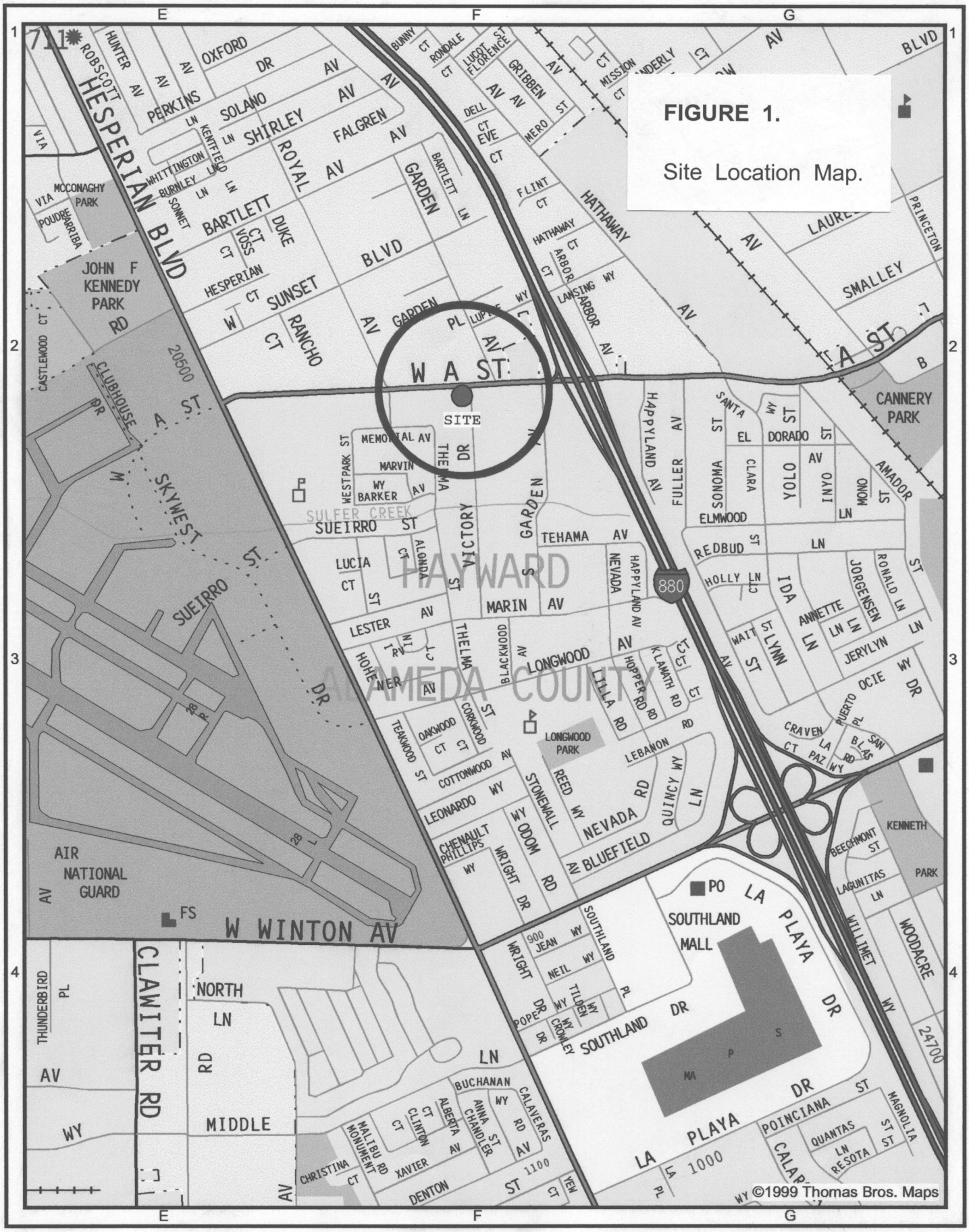


FIGURE 1.
Site Location Map.
SITE
W A ST
HESPERIAN BLVD
JOHN F KENNEDY PARK RD
SUNSET BLVD
SUEIRRO ST
SKYWEST DR
W WINTON AV
AIR NATIONAL GUARD
HAYWARD
ALAMEDA COUNTY
SULFER CREEK
LONGWOOD PARK
CANNERY PARK
SOUTHLAND MALL
CLAWITER RD
NORTH LN
MIDDLE LN
880
NEVADA RD
LA PLAYA DR
©1999 Thomas Bros. Maps

II. FIELD WORK

Monitoring Well Locations

The locations of the newly installed monitoring wells MW-7, MW-8, MW-9 and MW-10 are shown in Figure 2. The locations were selected based upon 1) the measured shallow groundwater flow direction, and 2) the petroleum hydrocarbon plume configurations that could be delineated from the results of previous groundwater monitoring and subsurface investigation.

Permits

Prior to commencement of the monitoring well installations, well drilling permits were obtained from Alameda County Public Works. Copies of the permits are provided in Attachment B.

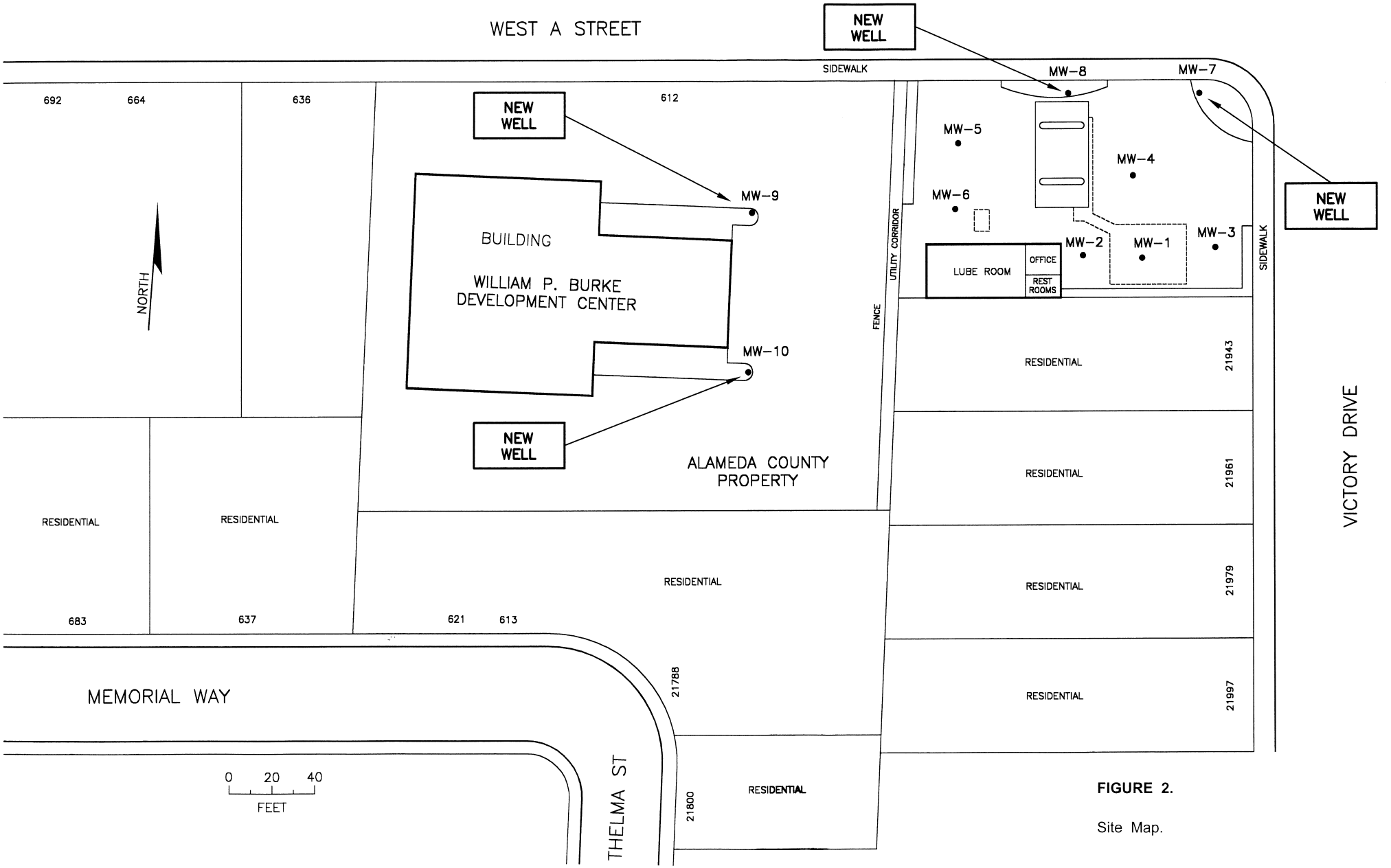


FIGURE 2.

Site Map.

Monitoring Well Installations

On October 11 & 12, 2005, the four shallow groundwater monitoring wells MW-7, MW-8, MW-9 and MW-10 were installed with a truck-mounted drill rig using 8-inch hollow-stem augers. The well borings were drilled by Gregg Drilling of Martinez, California.

During the drilling of the monitoring wells, soil samples for chemical analyses were collected at 5-foot intervals until the shallow water table was encountered, at a depth of approximately 18 feet below ground surface. Each soil sample was collected by driving directly into the native soil below the augers with a 2-inch split-barrel sampler fitted with clean brass liners. The ends of one 6-inch long brass liner from each 18-inch drive were sealed with Teflon film, over which was placed a plastic end-cap. The end-cap was then sealed onto the brass tube with clean adhesive tape. All samples were immediately placed on crushed ice, then transported under chain-of-custody to the laboratory upon completion of the field work.

Each of the well borings was extended to a depth of 25 feet below ground surface. Each well was cased with 15 feet of either 2-inch or 4-inch PVC slotted screen pipe (0.01" slots). The annular space of the well was packed with #2/16 Monterey sand to approximately one foot above the top of the screened section. Approximately one foot of wetted bentonite pellets were placed upon the sand pack, followed by a neat Portland cement grout seal up to one foot below ground surface and then filled to finish grade with concrete. The top of the PVC casing was fitted with a water tight locking cap and either a bolted steel traffic lid or a locking steel riser pipe.

Well construction diagrams for the monitoring wells are provided in Attachment C.

Boring Logs

The monitoring well borings were logged in the field by Fred Hayden, California Registered Geologist. The boring logs for the monitoring wells are provided in Attachment C.

Equipment Decontamination

Prior to the drilling of each monitoring well boring, all drilling equipment, including augers, drill stem, and split barrel samplers, was steam-cleaned. All steam-cleaning was conducted by Gregg Drilling at their permitted steam-cleaning facility located in Martinez, California. All split-barrel samplers, brass tubes, and other sampling equipment were decontaminated by washing in a water and TSP solution, followed by a double water rinse.

Monitoring Well Development and Sampling

On October 20, 2005, the newly installed monitoring wells were developed. During the development of the wells, groundwater and silt were removed from each well casing using a PVC bailer. The well development logs are provided in Attachment D.

On October 27 & 28, 2005, the existing wells MW-1, MW-2, MW-4, MW-5, MW-6, and the newly installed monitoring wells MW-7, MW-8, MW-9 and MW-10 were sampled. Prior to groundwater sampling, each well was purged by bailing several casing volumes of water. Field conductivity, temperature, and pH meters were present on-site during the monitoring well sampling. As the purging process proceeded, the conductivity and

temperature were monitored. Groundwater samples were subsequently collected from each monitoring well using new disposable sampling bailers. The water samples were placed inside appropriate 40 mL VOA vials free of any headspace. The samples were immediately placed on crushed ice, then transported under chain-of-custody to the laboratory at the end of the work day.

At the time each monitoring well was sampled, the following information was recorded in the field: 1) depth-to-water prior to purging, using an electrical well sounding tape, 2) identification of any floating product, sheen, or odor prior to purging, using a clear Teflon bailer, 3) sample temperature, 4) sample pH and 5) specific conductance of the sample. Copies of the well sampling logs are provided in Attachment D.

Waste Generation

All drill cuttings were stored in drums until the results of laboratory analyses became available. All water removed from the wells during development and purging was drummed and stored on-site. On November 4, 2005, the drill cuttings and wastewater were transported by North State Environmental under non-hazardous waste manifest to an appropriate facility for treatment and disposal. A copy of the non-hazardous waste manifest is provided in Attachment G.

III. RESULTS OF WATER LEVEL MEASUREMENTS

Top-of-Casing Survey

In order to determine groundwater flow direction, the top-of-casing elevation at each monitoring well was surveyed on October 24, 2005, by Silicon Valley Surveying. The GeoTracker-compliant survey data are Provided in Attachment E.

Shallow Groundwater Flow Direction

The shallow water table elevations were measured by Hydro Analysis, Inc., on October 27, 2005. These measurements are shown in Table 1. Figure 3 presents a contour map for the shallow groundwater table beneath the site. As shown in this figure, the shallow groundwater in the vicinity of the site appears to be flowing in a southwesterly direction.

Shallow Water Table Hydraulic Gradient

As shown in Figure 3, the shallow groundwater table beneath the site appears to have a hydraulic gradient of dH/dL = 0.4'/90' = 0.0044 ft/ft.

TABLE 1.

Shallow Water Table Elevations
October 27, 2005

Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Product Thickness (inch)	Elevation Adjustment (feet)	Water Table Elevation (feet)
MW-1	49.05	15.17	0	0.00	33.88
MW-2	48.99	15.16	0	0.00	33.83
MW-3	49.23	15.32	0	0.00	33.91
MW-4	48.75	14.84	0	0.00	33.91
MW-5	48.41	14.64	FILM	0.00	33.77
MW-6	49.29	15.52	SHEEN	0.00	33.77
MW-7	51.09	16.88	SHEEN	0.00	34.21
MW-8	48.58	14.45	SHEEN	0.00	34.13
MW-9	48.27	14.39	FILM	0.00	33.88
MW-10	48.41	14.52	SHEEN	0.00	33.89

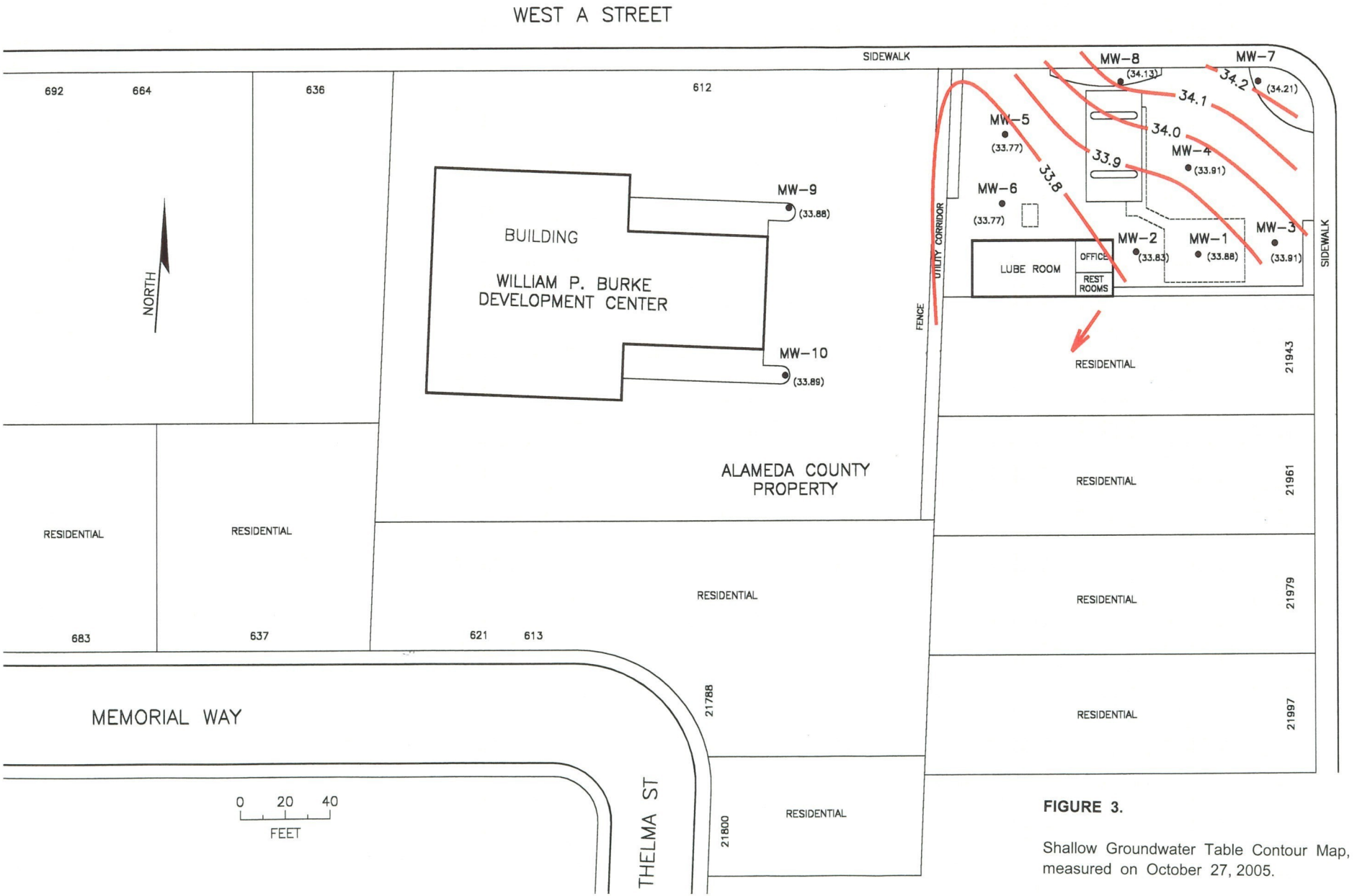


FIGURE 3.

Shallow Groundwater Table Contour Map, measured on October 27, 2005.

Historical Water Level Measurements

The results of all water level measurements collected between April 16, 2003, and the present time are presented in Table 2.

TABLE 2.

Historical Water Table Elevations
(feet)

Well	Date of Measurement									
	04-16-03	09-08-03	12-04-03	03-05-04	06-08-04	08-25-04	11-22-04	02-03-05	04-21-05	07-07-05
MW-1	34.85	33.29	32.74	35.51	33.89	32.96	32.64	34.88	36.73	35.56
MW-2	34.82	33.25	32.71	35.48	33.85	32.93	32.62	34.85	36.68	35.51
MW-3	34.89	33.33	32.78	35.55	33.93	33.01	32.70	34.91	36.78	35.61
MW-4	34.88	33.32	32.78	35.56	32.92	32.99	32.68	34.92	36.77	35.58
MW-5	34.78	33.21	32.67	35.45	33.80	32.89	32.59	34.83	36.62	35.44
MW-6	34.76	33.20	32.66	35.42	33.78	32.87	32.57	34.81	36.59	35.43
MW-7	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---
Hydraulic Gradient	0.0014	0.0013	0.0014	0.0016	0.0014	0.0015	0.0013	0.0016	0.0020	0.0017
Flow Direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW

TABLE 2. (continued)

Historical Water Table Elevations
(feet)

Well	Date of Measurement									
	10-25-05									
MW-1	33.88									
MW-2	33.83									
MW-3	33.91									
MW-4	33.91									
MW-5	33.77									
MW-6	33.77									
MW-7	34.21									
MW-8	34.13									
MW-9	33.88									
MW-10	33.89									
Hydraulic Gradient	0.0044									
Flow Direction	SW									

IV. SAMPLING RESULTS

Free-Floating Product

As indicated in Table 3, no measurable free-floating product thickness has been noted in any of the on-site shallow groundwater monitoring wells since their installation in April 2003. However, "sheens" and "films" have been noted on the water surfaces in various monitoring wells.

Laboratory Analysis

Laboratory analyses were conducted by Curtis & Tompkins Labs in Berkeley, California, and by Severn Trent Laboratories in Pleasanton, California, in accordance with EPA recommended procedures.

Selected soil samples were analyzed for:

1) Total Petroleum Hydrocarbons as Gasoline (EPA method 8015B)
2) Benzene, Toluene, Ethylbenzene, Total Xylenes and MTBE (EPA method 8021B)

All groundwater samples were analyzed for:

1) Total Petroleum Hydrocarbons as Gasoline (EPA method 8260B)
2) Benzene, Toluene, Ethylbenzene, Total Xylenes and MTBE (EPA method 8260B)

For waste profiling purposes, composite soil samples were analyzed for:

1) Total Petroleum Hydrocarbons as Gasoline (EPA method 8015B)
2) Benzene, Toluene, Ethylbenzene, Total Xylenes and MTBE (EPA method 8021B)
3) Lead (EPA method 6010 ICAP)

TABLE 3.

Product Thickness (inches)

Well	Date of Measurement								
	04-16-03	08-01-03	09-08-03	12-04-03	03-05-04	06-08-04	08-25-04	11-22-04	02-03-05
MW-1	SHEEN	0	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN	SHEEN
MW-2	0	0	0	SHEEN	0	0	0	0	0
MW-3	0	0	0	SHEEN	0	SHEEN	SHEEN	SHEEN	SHEEN
MW-4	0	0	SHEEN	0	0	SHEEN	0	SHEEN	SHEEN
MW-5	SHEEN	SHEEN	SHEEN	FILM	SHEEN	FILM	FILM	SHEEN	SHEEN
MW-6	0	SHEEN	FILM	SHEEN	SHEEN	FILM	FILM	SHEEN	SHEEN

Well	Date of Measurement								
	04-21-05	07-07-05	10-27-05						
MW-1	0	0	0						
MW-2	0	0	0						
MW-3	SHEEN	0	0						
MW-4	SHEEN	SHEEN	0						
MW-5	FILM	SHEEN	FILM						
MW-6	FILM	SHEEN	SHEEN						
MW-7	---	---	SHEEN						
MW-8	---	---	SHEEN						
MW-9	---	---	FILM						
MW-10	---	---	SHEEN						

Analytical Results: Soil

Table 4 presents the results of the laboratory analysis of selected soil samples collected during the installation of wells MW-7, MW-8, MW-9 and MW-10. Copies of the laboratory reports are provided in Attachment F.

TABLE 4.

Soil Sampling Results.

Boring	Depth (feet)	TPH as Gasoline (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE (µg/kg)
MW-7	5	ND < 1.1	ND < 5.6	ND < 5.6	ND < 5.6	ND < 5.6	ND < 22
	10	ND < 1.1	ND < 5.6	ND < 5.6	ND < 5.6	ND < 5.6	ND < 22
	15	ND < 0.92	ND < 4.6	ND < 4.6	ND < 4.6	ND < 4.6	ND < 18
	20	**11**	ND < 4.5	ND < 4.5	**240**	**130**	ND < 18
MW-8	5	ND < 1.1	ND < 5.6	ND < 5.6	ND < 5.6	ND < 5.6	ND < 22
	10	ND < 0.93	ND < 4.7	ND < 4.7	ND < 4.7	ND < 4.7	ND < 19
	15	**3.4**	**12**	ND < 5.4	**32**	ND < 5.4	ND < 22
	20	**6.6**	ND < 5.4	ND < 5.4	**120**	ND < 5.4	ND < 22
MW-9	5	ND < 0.99	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 20
	10	ND < 0.97	ND < 4.9	ND < 4.9	ND < 4.9	ND < 4.9	ND < 19
	15	ND < 1.0	ND < 5.2	ND < 5.2	ND < 5.2	ND < 5.2	ND < 21
	20	**6.7**	**30**	ND < 4.9	ND < 4.9	ND < 4.9	ND < 20
MW-10	5	ND < 1.1	ND < 5.4	ND < 5.4	ND < 5.4	ND < 5.4	ND < 22
	10	ND < 0.98	ND < 4.9	ND < 4.9	ND < 4.9	ND < 4.9	ND < 20
	15	ND < 1.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 20
	20	ND < 1.0	ND < 5.1	ND < 5.1	**11**	ND < 5.1	ND < 20

ND = not detected

samples collected on Ocotber 11 & 12, 2005

Analytical Results: Groundwater

Table 5 presents the results of the laboratory analysis for groundwater samples collected from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10. Copies of the laboratory reports are provided in Attachment F.

TABLE 5.

Groundwater Sampling Results

Well	Date	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-1	16-Apr-03	**22,000**	**47**	**100**	**1,500**	**2,700**	ND < 25
	08-Sep-03	**28,000**	**29**	**49**	**2,000**	**3,200**	ND < 10
	04-Dec-03	**31,000**	**43**	**51**	**2,400**	**3,100**	ND < 25
	05-Mar-04	**17,000**	**45**	**43**	**2,300**	**3,300**	ND < 10
	08-Jun-04	**19,000**	**23**	**26**	**2,000**	**2,500**	ND < 10
	25-Aug-04	**25,000**	**27**	**30**	**1,900**	**1,900**	ND < 10
	22-Nov-04	**21,000**	**29**	**31**	**1,700**	**1,700**	ND < 10
	04-Feb-05	**18,000**	**28**	**27**	**1,500**	**1,700**	ND < 10
	21-Apr-05	**17,000**	**23**	**30**	**1,600**	**1,200**	ND < 5
	07-Jul-05	**16,000**	ND < 10	**12**	**1,400**	**1,400**	ND < 10
	27-Oct-05	**9,600**	**5.1**	**7.4**	**1,200**	**1,000**	ND < 5
MW-2	16-Apr-03	**10,000**	**240**	ND < 25	**570**	**380**	ND < 25
	08-Sep-03	**14,000**	**300**	**19**	**740**	**680**	ND < 10
	04-Dec-03	**11,000**	**220**	**16**	**860**	**750**	ND < 10
	05-Mar-04	**7,600**	**170**	**13**	**580**	**440**	ND < 2.5
	08-Jun-04	**8,900**	**200**	**16**	**600**	**380**	ND < 2.5
	25-Aug-04	**12,000**	**180**	**15**	**670**	**650**	ND < 2.5
	22-Nov-04	**11,000**	**150**	**13**	**650**	**440**	ND < 2.5
	04-Feb-05	**10,000**	**150**	**12**	**510**	**580**	ND < 2.5
	21-Apr-05	**16,000**	**270**	**19**	**970**	**600**	ND < 2.5
	07-Jul-05	**7,200**	**120**	**9.1**	**340**	**330**	ND < 5
	27-Oct-05	**5,400**	**93**	**6.2**	**290**	**150**	ND < 2.5
MW-3	17-Apr-03	**7,700**	ND < 10	ND < 10	**160**	**54**	ND < 10
	08-Sep-03	**6,600**	ND < 10	ND < 10	**88**	ND < 20	ND < 10
	04-Dec-03	**6,300**	ND < 5	ND < 5	**70**	ND < 10	ND < 5
	05-Mar-04	**4,300**	ND < 2.5	ND < 2.5	**59**	ND < 5	ND < 2.5
	08-Jun-04	**3,700**	ND < 2.5	ND < 2.5	**19**	ND < 5	ND < 2.5
	25-Aug-04	**8,500**	ND < 2.5	ND < 2.5	**62**	ND < 5	ND < 2.5
	22-Nov-04	**5,400**	ND < 2.5	ND < 2.5	**33**	ND < 5	ND < 2.5
	03-Feb-05	**3,700**	ND < 2.5	ND < 2.5	**15**	ND < 5	ND < 2.5
	21-Apr-05	**2,900**	ND < 0.5	ND < 0.5	**17**	**1.1**	ND < 0.5
	07-Jul-05	**2,200**	ND < 1	ND < 1	**4.4**	**2.0**	ND < 1
	28-Oct-05	**2,600**	ND < 0.5	ND < 0.5	**3.1**	**1.2**	ND < 0.5

ND = not detected

TABLE 5. (continued)

Groundwater Sampling Results

Well	Date	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-4	17-Apr-03	**13,000**	**36**	ND < 10	**240**	ND < 20	ND < 10
	08-Sep-03	**12,000**	**31**	ND < 10	**200**	ND < 20	ND < 10
	04-Dec-03	**12,000**	**27**	ND < 10	**180**	ND < 20	ND < 10
	05-Mar-04	**6,800**	**12**	ND < 2.5	**79**	ND < 5	ND < 2.5
	08-Jun-04	**9,500**	**15**	ND < 2.5	ND < 2.5	ND < 5	ND < 2.5
	25-Aug-04	**17,000**	**16**	ND < 2.5	**86**	ND < 5	ND < 2.5
	22-Nov-04	**11,000**	**17**	ND < 2.5	**67**	ND < 5	ND < 2.5
	03-Feb-05	**8,200**	**11**	ND < 2.5	**39**	ND < 5	ND < 2.5
	21-Apr-05	**8,200**	**12**	ND < 2.5	**33**	ND < 5	ND < 2.5
	07-Jul-05	**8,000**	**7.8**	ND < 5	ND < 5	ND < 10	ND < 5
	27-Oct-05	**6,900**	**5.6**	ND < 2.5	**21**	ND < 5	ND < 2.5
MW-5	17-Apr-03	**34,000**	**340**	ND < 10	**2,900**	**2,600**	**56**
	08-Sep-03	**45,000**	**440**	ND < 25	**2,500**	**2,000**	**52**
	04-Dec-03	**27,000**	**300**	ND < 25	**2,100**	**1,100**	ND < 25
	05-Mar-04	**18,000**	**220**	ND < 10	**1,900**	**1,300**	**39**
	08-Jun-04	**37,000**	**240**	ND < 10	**1,700**	**1,300**	**39**
	25-Aug-04	**29,000**	**250**	ND < 10	**1,600**	**500**	**75**
	22-Nov-04	**21,000**	**260**	ND < 10	**1,700**	**750**	**51**
	04-Feb-05	**21,000**	**160**	ND < 10	**1,200**	**530**	**40**
	21-Apr-05	**23,000**	**180**	ND < 10	**1,700**	**720**	**49**
	07-Jul-05	**30,000**	**55**	ND < 20	**3,100**	**850**	ND < 20
	27-Oct-05	**24,000**	**88**	ND < 2.5	**750**	**230**	**26**
MW-6	17-Apr-03	**40,000**	**240**	ND < 50	**4,000**	**5,600**	ND < 50
	08-Sep-03	**49,000**	**230**	ND < 50	**5,300**	**4,600**	ND < 25
	04-Dec-03	**35,000**	**180**	ND < 50	**5,000**	**3,100**	ND < 50
	05-Mar-04	**29,000**	**140**	ND < 20	**4,400**	**2,300**	ND < 20
	08-Jun-04	**29,000**	**130**	ND < 20	**4,900**	**2,300**	ND < 20
	25-Aug-04	**55,000**	**130**	ND < 20	**5,500**	**1,800**	ND < 20
	22-Nov-04	**31,000**	**100**	ND < 20	**5,200**	**2,300**	ND < 20
	04-Feb-05	**30,000**	**74**	ND < 20	**3,300**	**930**	ND < 20
	21-Apr-05	**25,000**	**69**	ND < 10	**670**	**750**	ND < 10
	07-Jul-05	**20,000**	**130**	ND < 20	**960**	**400**	**38**
	27-Oct-05	**17,000**	**41**	ND < 10	**3,200**	**540**	ND < 10

ND = not detected

TABLE 5. (continued)

Groundwater Sampling Results

Well	Date	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-7	27-Oct-05	**8,500**	**14**	ND < 5	**170**	**56**	ND < 5
MW-8	28-Oct-05	**12,000**	**75**	ND < 2.5	**260**	**28**	**9.7**
MW-9	28-Oct-05	**9,200**	**120**	ND < 5	**59**	ND < 10	**10**
MW-10	28-Oct-05	**3,700**	ND < 0.5	ND < 0.5	**48**	**20**	**4.2**

ND = not detected

V. DATA ANALYSIS

Concentration Contours

Figures 4, 5 and 6 show lines of equal concentration for Gasoline, Benzene and MTBE, respectively, in the shallow groundwater using data from this recent subsurface investigation.

Based upon these plots, the dissolved concentrations in the shallow groundwater appear to be generally centered around a location that is down-gradient of the former underground fuel storage tanks and dispenser islands. The plumes are clearly open-ended toward West "A" Street and are indicative of contamination from an off-site source.

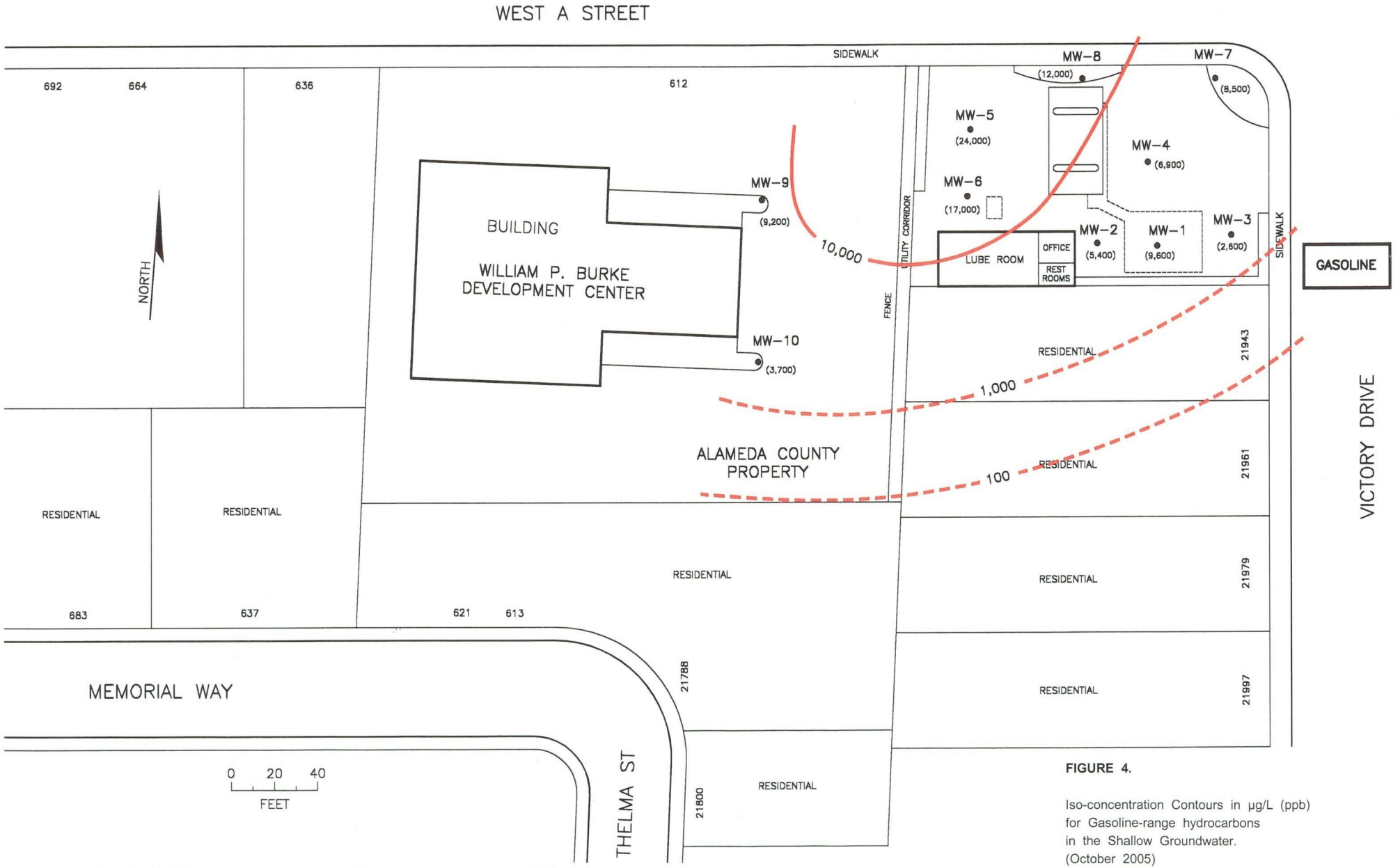


FIGURE 4.

Iso-concentration Contours in µg/L (ppb) for Gasoline-range hydrocarbons in the Shallow Groundwater. (October 2005)

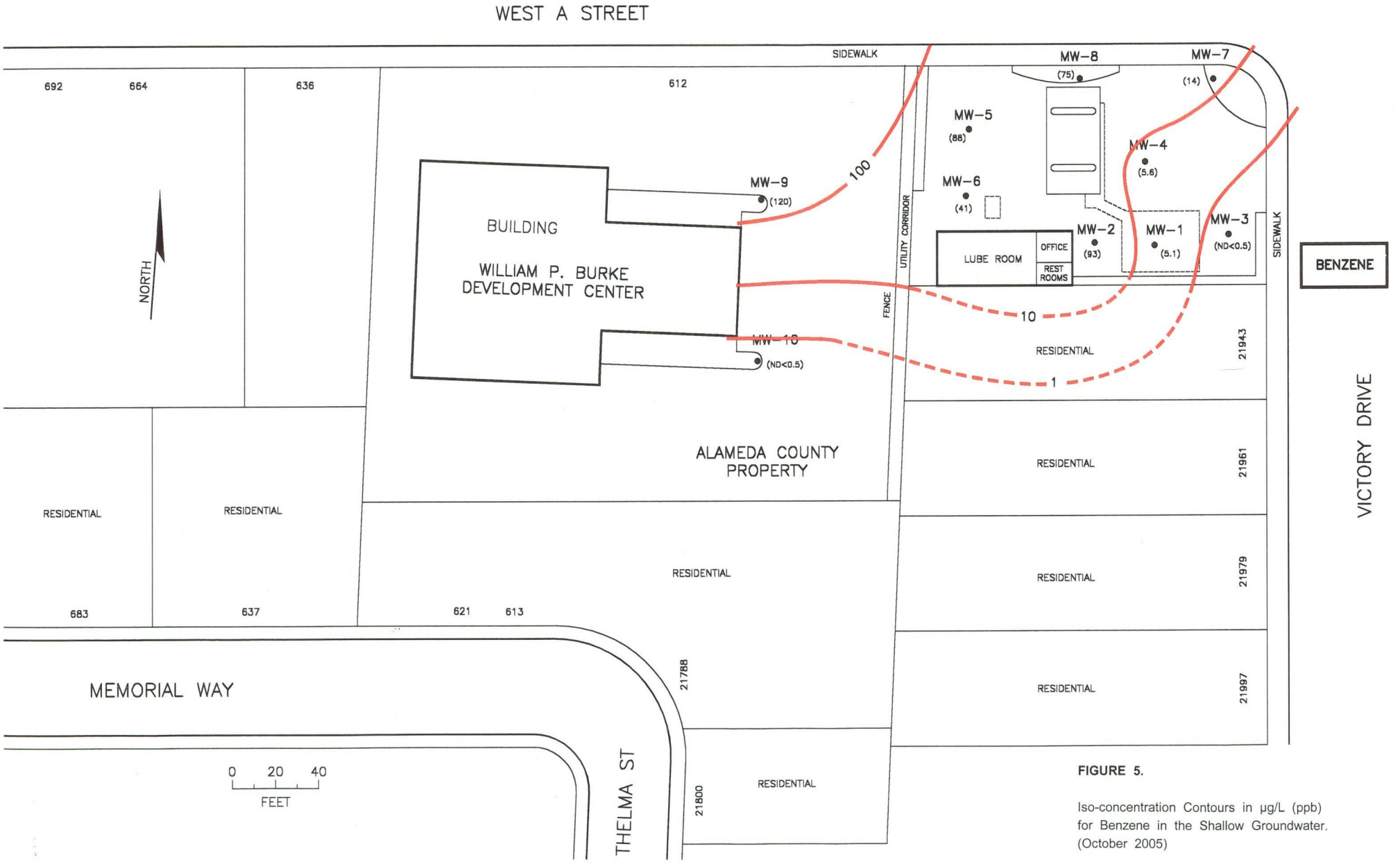


FIGURE 5.

Iso-concentration Contours in µg/L (ppb) for Benzene in the Shallow Groundwater. (October 2005)

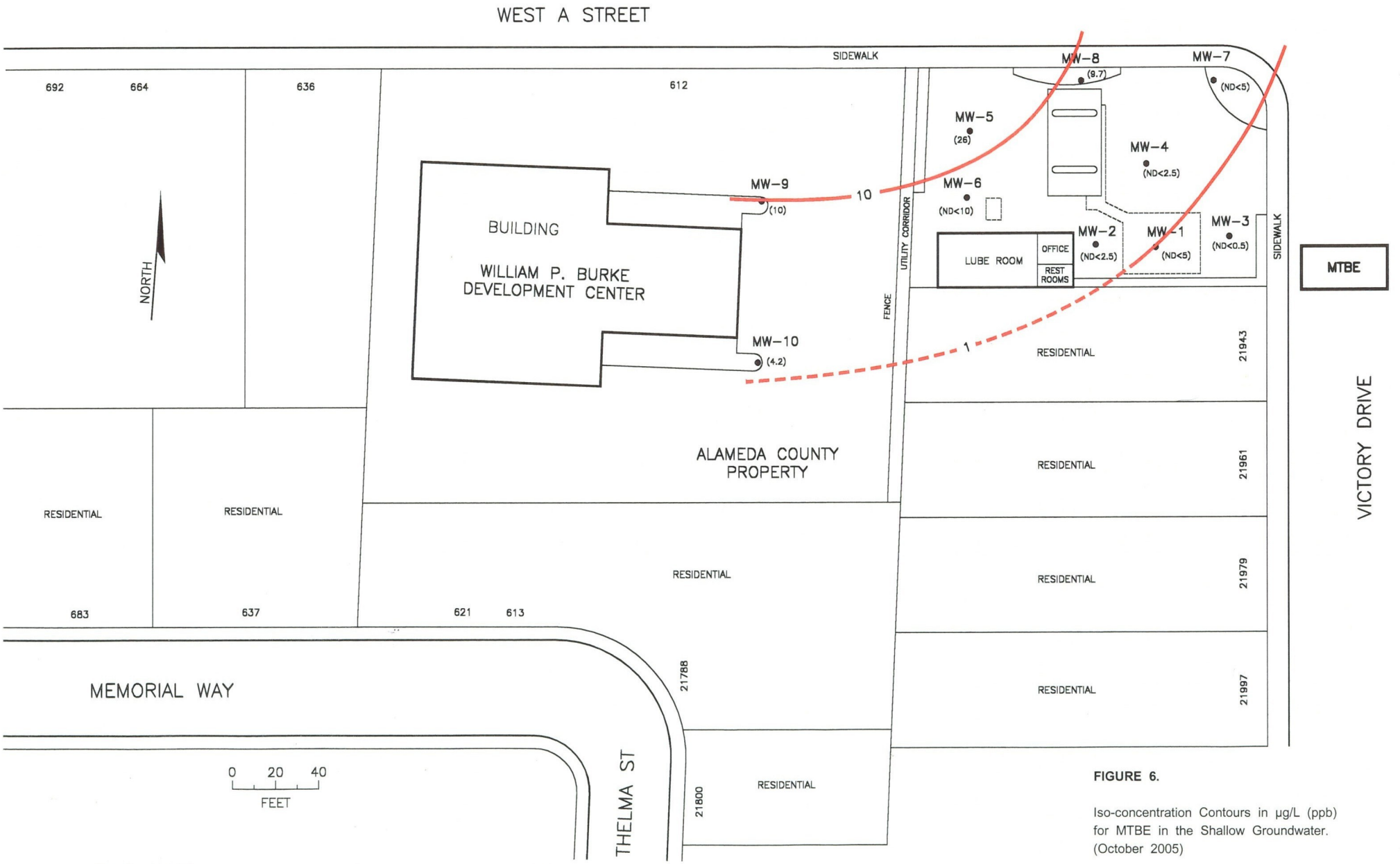


FIGURE 6.

Iso-concentration Contours in µg/L (ppb) for MTBE in the Shallow Groundwater. (October 2005)

Impact from Up-Gradient Source

Figures 7, 8 and 9 show lines of equal concentration for Gasoline, Benzene and MTBE, respectively, in the shallow groundwater using data from both the subject site (Prime Properties) and the Former EZ Serve Station #100877 located at 525 West "A" Street. The most recent data available for the EZ Serve site is from an August 2003 sampling event. However, based upon analysis of the historical sampling record for this site, little change in concentrations is expected to date.

Based upon the plumes shown in Figures 7, 8 and 9, the concentrations of Gasoline, Benzene and MTBE found in the shallow groundwater beneath the subject site are clearly part of the hydrocarbon plume that is emanating from the EZ Serve site.

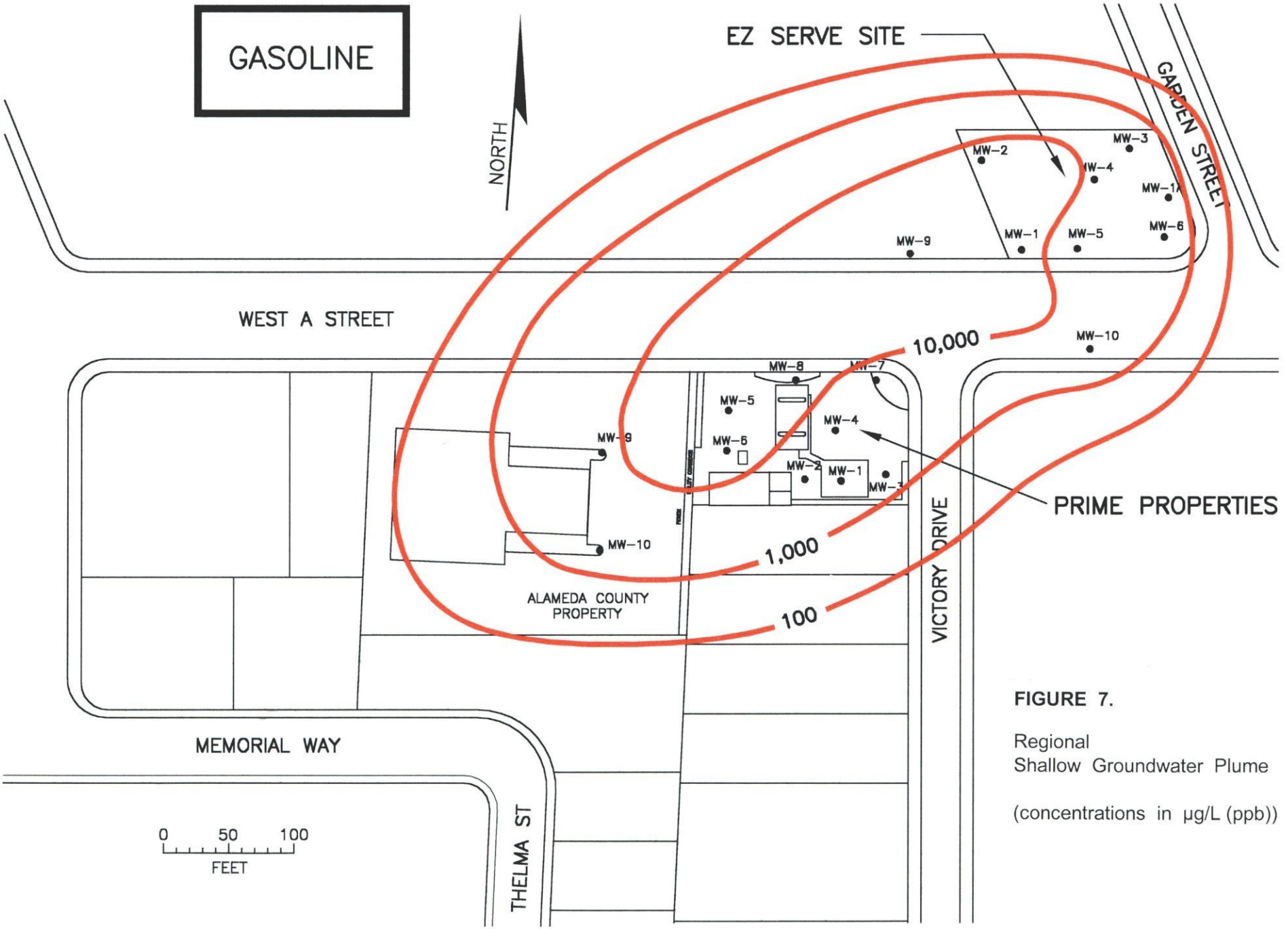


FIGURE 7.

Regional
Shallow Groundwater Plume

(concentrations in µg/L (ppb))

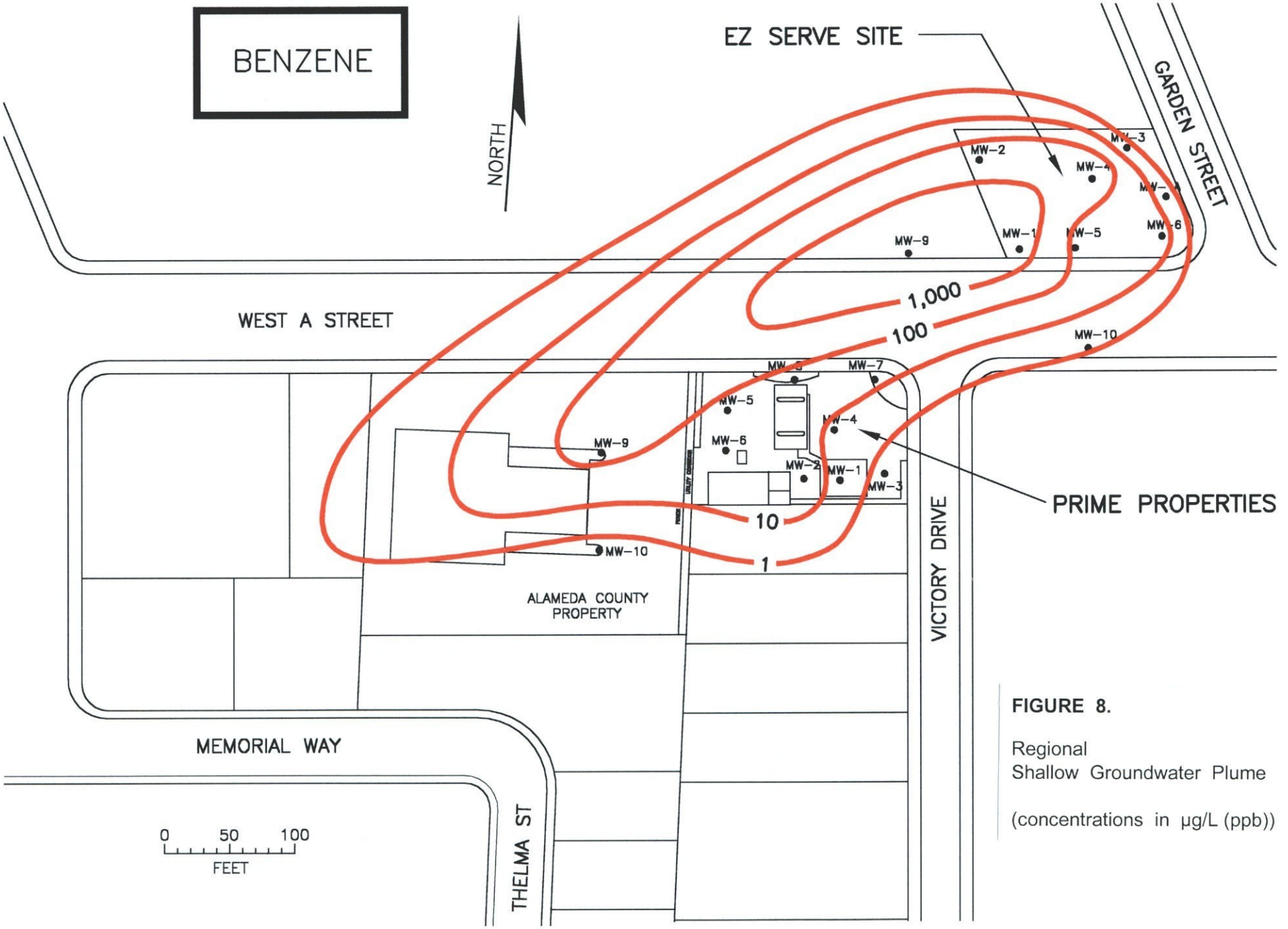


FIGURE 8.

Regional
Shallow Groundwater Plume

(concentrations in µg/L (ppb))

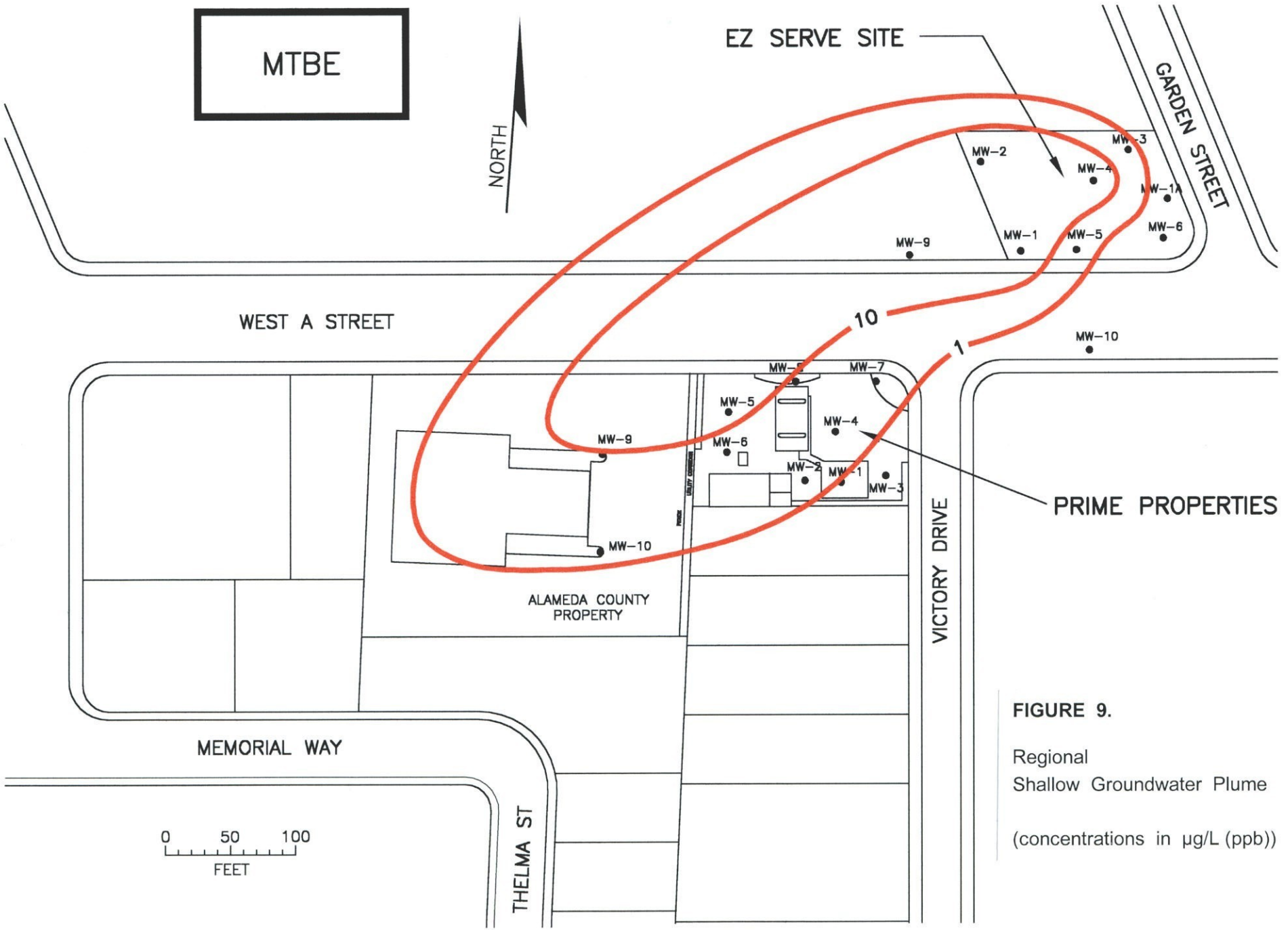


FIGURE 9.

Regional
Shallow Groundwater Plume

(concentrations in µg/L (ppb))

VI. CONCLUSIONS & RECOMMENDATIONS

Based upon analysis of the data collected from this most recent subsurface investigation, it can be concluded that 1) the dissolved concentrations of Gasoline, Benzene and MTBE in the shallow groundwater are generally centered around a location that is down-gradient of the former underground fuel storage tanks and dispenser islands, 2) the Gasoline, Benzene and MTBE plumes are open-ended toward West "A" Street and are indicative of contamination from an off-site source, and 3) the concentrations of Gasoline, Benzene and MTBE found in the shallow groundwater beneath the subject site are part of the hydrocarbon plume that is emanating from the EZ Serve site located at 525 West "A" Street.

Based upon the results of this subsurface investigation, it is recommended that the future course of action should include 1) notification of the responsible parties for the EZ Serve site by the City of Hayward regarding the results of this investigation, 2) quarterly groundwater monitoring in order to establish an acceptable historical record of groundwater flow direction and contaminant concentrations as they pertain to the newly-installed monitoring wells, and 3) coordination with the EZ Serve site in order to conduct quarterly sampling activities at the same time and to share analytical data in a timely manner.

VII. LIMITATIONS

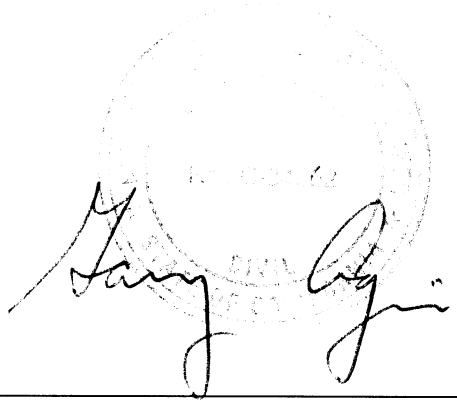
The professional opinions, conclusions and recommendations provided in this report are made in accordance with generally accepted engineering principles and practices, based upon data from a relatively limited number of sampling locations. This warranty is in lieu of all other warranties either expressed or implied. Variations may exist, and conditions not observed or described in this report could be encountered at a later time. If conditions other than those described in this report are encountered, Hydro Analysis, Inc., should be notified so that additional recommendations, if warranted, can be provided.

REPORT OF SUBSURFACE INVESTIGATION

PRIME PROPERTIES

580 West A Street, Hayward, CA

November 11, 2005



Gary Aguiar **RCE 34262**

ATTACHMENT A

Correspondence

CITY OF
HAYWARD
HEART OF THE BAY

February 15, 2005

Prime Properties
916 Silver Spur Road, #201
Rolling Hills Estates, CA 90274

Subject: Proposed Work Plan for Subsurface Investigation
580 West A Street, Hayward, California

Dear Prime Properties:

We have reviewed the proposed work plan captioned above, dated February 11, 2005. The work plan, as prepared by Hydro Analysis, Inc. and signed by Gary Aguiar, P.E. is acceptable to us. We would only require, additionally, that all soil and groundwater samples be analyzed for other fuel oxygenates (besides MTBE) such as tert-butyl alcohol (TBA). You may proceed to implement the subject work plan.

While we at the Hayward Fire Department oversee site investigation and remediation in Hayward, the installation and destruction of monitoring wells, or the advancing of soil borings to groundwater depth is regulated and permitted by the Alameda County Public Works Department. Contact Mr. James Yoo of the Well Standards Program at (510) 670-6633 for their requirements.

We will appreciate receiving a comprehensive report from you upon completion of this phase of your investigation. The report should include a description of your site conceptual model, as it has developed to-date from available information. Based on this most current conceptual mode, include plans for active remediation of the contamination and/or for further investigation that will complete the characterization of the contamination and define its boundaries.

If you have any questions, call us at (510) 583-4925.

Sincerely,

Danilo M. Galang
Environmental Specialist

C: Hugh Murphy, Hazardous Materials Program Coordinator
✓Gary Aguiar, Hydro Analysis, Inc., 11100 San Pablo Ave., Ste. 200-A, El Cerrito, CA 94530

ATTACHMENT B

Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/03/2005 By suel **Receipt Number: WR2005-2129**
Permits Issued: W2005-0970 to W2005-0973 **Permits Valid from 10/11/2005 to 10/12/2005**

Application Id: 1128122537636 **City of Project Site:** Hayward
Site Location: 580 West A St, Hayward, CA 94541, and
612 West A Street (off-site well for cleanup)
Project Start Date: 10/11/2005 **Completion Date:** 10/12/2005

Applicant: Hydro Analysis Inc - Randall Wilson **Phone:** 510-620-0891
11100 San Pablo Ave, #200-A, El Cerrito, CA 94530
Property Owner: Prime Properties **Phone:** 310-377-6854
916 Silver Spur Rd., #201, Rolling Hills Estate, CA 90274
Client: ** same as Property Owner **

Total Due: $1200.00
Total Amount Paid: $1200.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 4 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger **Work Total: $1200.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2005-0970	10/03/2005	01/09/2006	MW10	8.00 in.	2.00 in.	8.00 ft	25.00 ft
W2005-0971	10/03/2005	01/09/2006	MW7	8.00 in.	2.00 in.	8.00 ft	25.00 ft
W2005-0972	10/03/2005	01/09/2006	MW8	8.00 in.	2.00 in.	8.00 ft	25.00 ft
W2005-0973	10/03/2005	01/09/2006	MW9	8.00 in.	2.00 in.	8.00 ft	25.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or to the City and follow all City or County Ordinances No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with

appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Drill out & Replace with New Well

6. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

7. Applicant shall contact George Bolton for a inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

8. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

9. Minimum surface seal thickness is two inches of cement grout placed by tremie

10. Minimum seal depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

11. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site, shall result in a fine of $500.00.

ATTACHMENT C

Boring Logs

Well Construction Diagrams

DWR Reports

HYDRO ANALYSIS, INC.

11100 San Pablo Ave, Suite 200-A
El Cerrito, CA 94530

(510)620-0891 (510)620-0894 (fax)

FIELD BOREHOLE LOG

BOREHOLE NO.: **MW-7**

TOTAL DEPTH: **26.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Prime Properties**	DRILLING CO.:	**Gregg Drilling**
JOB NO.:	**0301**		**Martinez, CA**
SITE LOCATION:	**580 West A Street**	RIG TYPE:	**Rhino Limited Access**
	Hayward, CA	METHOD OF DRILLING:	**8" Hollow Stem Auger**
LOGGED BY:	**Fred Hayden**	SAMPLING METHODS:	**1-1/2" split barrel sampler**
DATE DRILLED:	**10-11-05**	HAMMER WT./DROP:	**pneumatic hammer**

NOTES:

▽ Water level during drilling
▼ Water level in completed well

Page 1 of 1

DEPTH (feet)	sample	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMPLE NUMBER	Blows (per 6")	PID (ppm)	WELL COMPLETION
0			CL	TOPSOIL: planter soil.				Locking Above-Grade Steel Riser Pipe
				SILTY CLAY: Brown Silty Clay, slightly moist, some sand (approx. 5%). (NO ODOR)				Neat Cement Grout
-5			SC	CLAYEY SAND: Yellow Brown Clayey Sand, very slightly moist, approx. 60% fine grain sand, trace of silt. (NO ODOR)	MW7 @5'		0	2" PVC Blank Casing
-10			CL	SANDY CLAY: Yellow Brown Sandy Clay, very slightly moist.	MW7 @10'		0	Bentonite Pellets
			SM	SILTY SAND: Dark Olive Gray Silty Sand, very moist, trace of silt. (NO ODOR)				
-15			CL	SILTY CLAY: Olive Brown Silty Clay, very moist, some fine grain sand. (PETROLEUM ODOR)	MW7 @15'		70	#2/16 Monterey Sand
			SM	SILTY SAND: Olive Brown Silty Sand, slightly moist, fine grain sand, some clay, brown & gray streaks. (PETROLEUM ODOR)				
-20			CL	SANDY CLAY: Gray Sandy Clay, very moist, approx. 10% fine grain sand, occasional coarse grain sand, brown mottling, some silt. (PETROLEUM ODOR)	MW7 @20'		60	2" PVC Slotted Screen (0.01" slots)
-25					MW7 @25'		3	

HYDRO ANALYSIS, INC.

11100 San Pablo Ave, Suite 200-A
El Cerrito, CA 94530

(510)620-0891 (510)620-0894 (fax)

FIELD BOREHOLE LOG

BOREHOLE NO.: **MW-8**

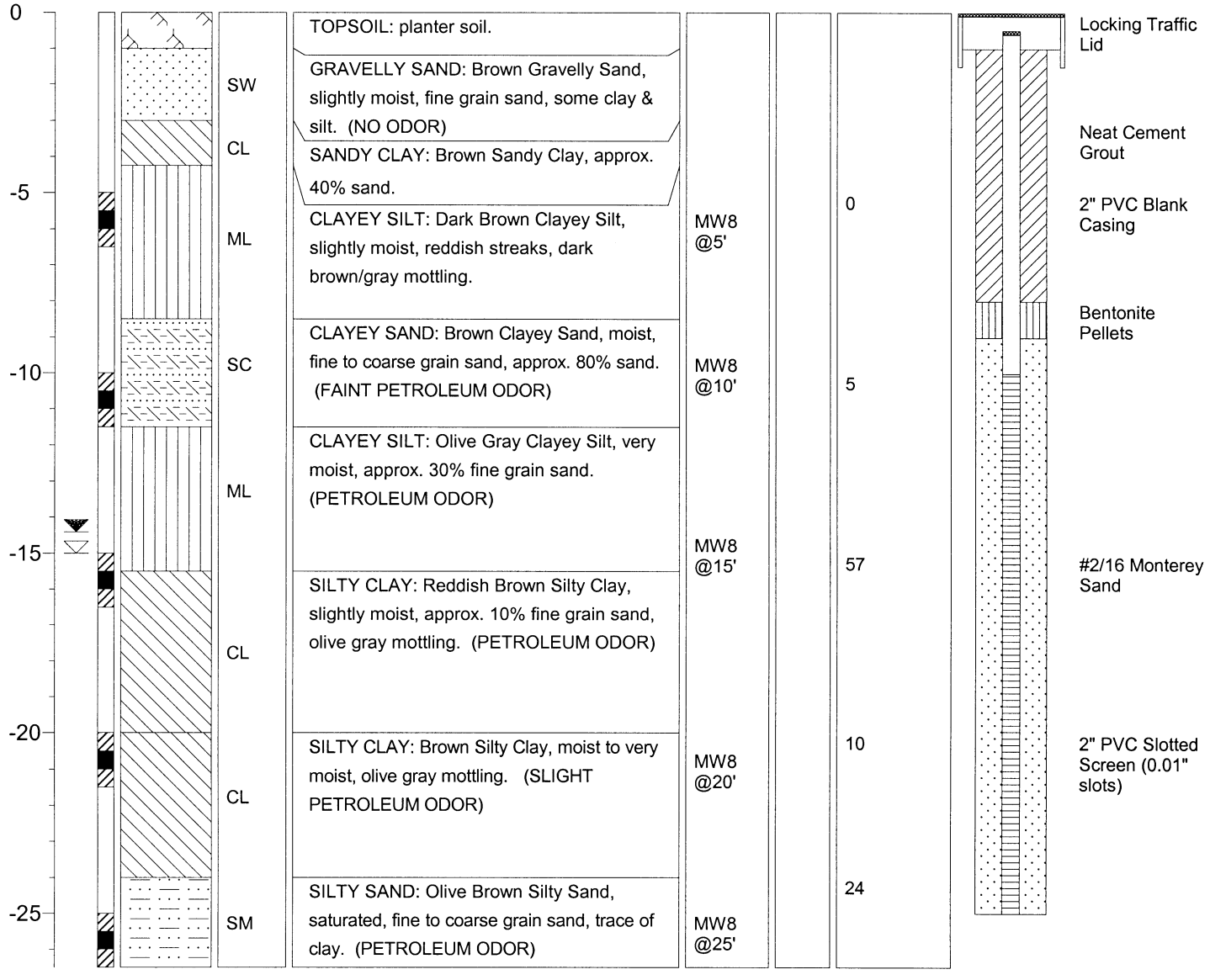
TOTAL DEPTH: **26.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Prime Properties**	DRILLING CO.:	**Gregg Drilling**
JOB NO.:	**0301**		**Martinez, CA**
SITE LOCATION:	**580 West A Street**	RIG TYPE:	**Rhino Limited Access**
	Hayward, CA	METHOD OF DRILLING:	**8" Hollow Stem Auger**
LOGGED BY:	**Fred Hayden**	SAMPLING METHODS:	**1-1/2" split barrel sampler**
DATE DRILLED:	**10-11-05**	HAMMER WT./DROP:	**pneumatic hammer**

NOTES:

▽ Water level during drilling
▼ Water level in completed well

Page 1 of 1



DEPTH (feet)	sample	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMPLE NUMBER	Blows (per 6")	PID (ppm)	WELL COMPLETION

HYDRO ANALYSIS, INC.

11100 San Pablo Ave, Suite 200-A
El Cerrito, CA 94530

(510)620-0891 (510)620-0894 (fax)

FIELD BOREHOLE LOG

BOREHOLE NO.: **MW-9**

TOTAL DEPTH: **26.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Prime Properties**	DRILLING CO.:	**Gregg Drilling**
JOB NO.:	**0301**		**Martinez, CA**
SITE LOCATION:	**580 West A Street**	RIG TYPE:	**Rhino Limited Access**
	Hayward, CA	METHOD OF DRILLING:	**8" Hollow Stem Auger**
LOGGED BY:	**Fred Hayden**	SAMPLING METHODS:	**1-1/2" split barrel sampler**
DATE DRILLED:	**10-12-05**	HAMMER WT./DROP:	**pneumatic hammer**

NOTES: **off-site boring located at 612 West "A" St. (Alameda County Property)**

▽ Water level during drilling

▼ Water level in completed well

Page 1 of 1

DEPTH (feet)	sample	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMPLE NUMBER	Blows (per 6")	PID (ppm)	WELL COMPLETION
0			SW	TOPSOIL: planter soil.				Locking Traffic Lid
				GRAVELLY SAND: Brown Gravelly Sand, very slightly moist. (NO ODOR)				
			CL	SANDY CLAY: Dark Olive Brown Sandy Clay, slightly moist, approx. 40% fine to medium grain sand, brown streaks. (NO ODOR)				Neat Cement Grout
-5					MW9 @5'		0	2" PVC Blank Casing
			ML	CLAYEY SILT: Olive Brown Clayey Silt, slightly to very slightly moist, reddish streaks, approx. 20% fine to coarse grain sand. (NO ODOR)				Bentonite Pellets
-10			SM	SANDY SILT: Olive Gray Sandy Silt, very moist, approx. 40% sand, trace of clay. (PETROLEUM ODOR)	MW9 @10'		0	
-15			ML	CLAYEY SILT: Olive Brown Clayey Silt, slightly moist, olive gray mottling, coarse silt with some fine grain sand. (PETROLEUM ODOR)	MW9 @15'		7	#2/16 Monterey Sand
-20			SC	CLAYEY SAND: Dark Olive Gray Clayey Sand,saturated, fine grain sand, some coarse silt. (PETROLEUM ODOR)	MW9 @20'		150	2" PVC Slotted Screen (0.01" slots)
-25			SP	SAND: Brown Sand, saturated, fine grain sand.				

HYDRO ANALYSIS, INC.

11100 San Pablo Ave, Suite 200-A
El Cerrito, CA 94530

(510)620-0891 (510)620-0894 (fax)

FIELD BOREHOLE LOG

BOREHOLE NO.: **MW-10**

TOTAL DEPTH: **26.5'**

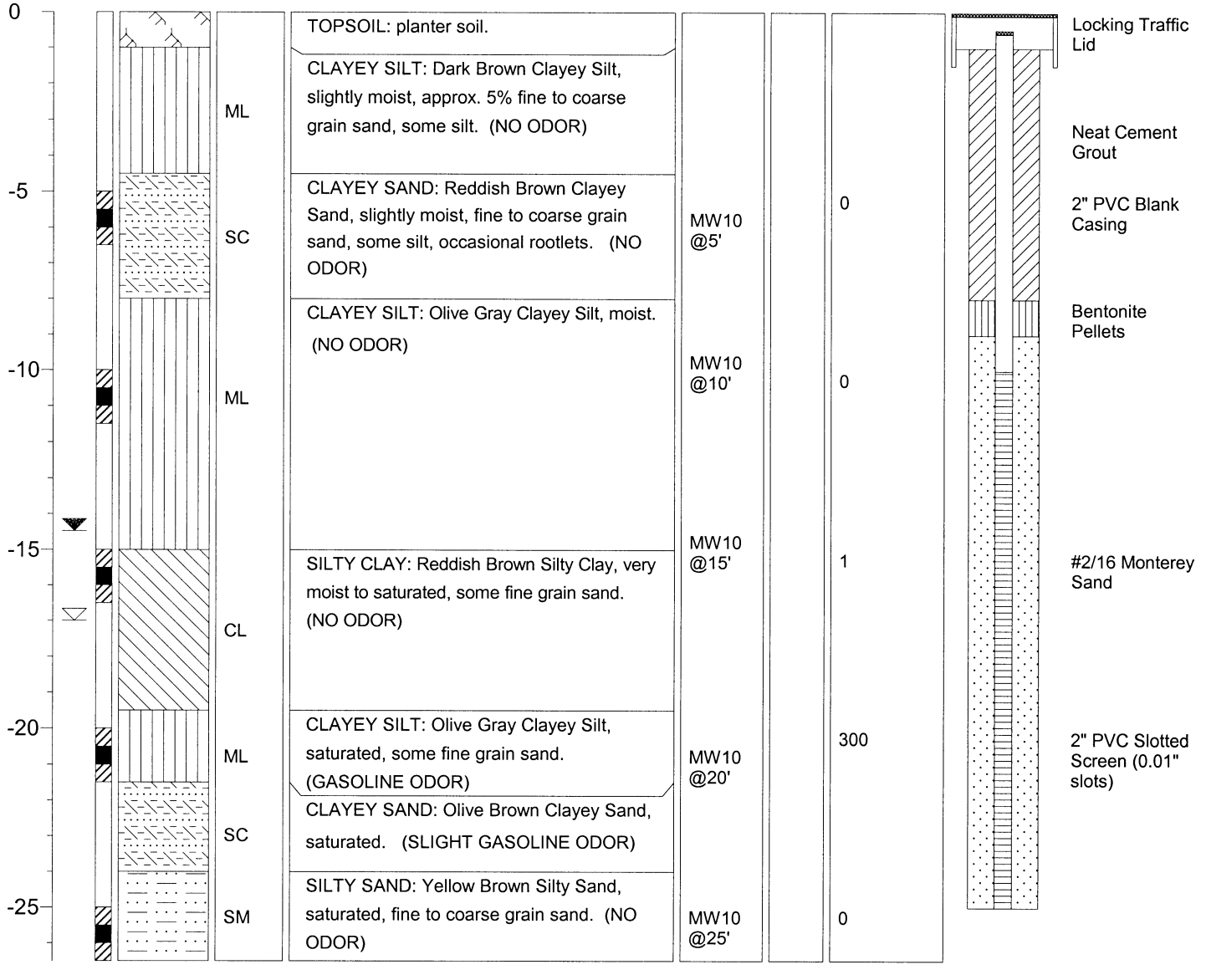
PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Prime Properties**	DRILLING CO.:	**Gregg Drilling**
JOB NO.:	**0301**		**Martinez, CA**
SITE LOCATION:	**580 West A Street**	RIG TYPE:	**Rhino Limited Access**
	Hayward, CA	METHOD OF DRILLING:	**8" Hollow Stem Auger**
LOGGED BY:	**Fred Hayden**	SAMPLING METHODS:	**1-1/2" split barrel sampler**
DATE DRILLED:	**10-12-05**	HAMMER WT./DROP:	**pneumatic hammer**

NOTES: **off-site boring located at 612 West "A" St. (Alameda County Property)**

▽ Water level during drilling

▼ Water level in completed well

Page 1 of 1



CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

ATTACHMENT D

Well Development & Sampling Logs

HYDRO ANALYSIS, Inc.

WELL MONITORING DATA SHEET

Project: Prime Properties

Water Level Measurement Date: 10/27/2005

Sampling Dates: 10/27-28/2005

WELL #	DEPTH TO WATER (ft)	PRODUCT	WELL DEPTH (ft)	PRODUCT REMOVED	WATER REMOVED (gal)	RISER HEIGHTS
MW-1	15.17	None	24.63	- -	20	
MW-2	15.16	None	24.77	- -	20	
MW-3	15.32	None	24.54	- -	6	
MW-4	14.84	None	24.28	- -	6	
MW-5	14.64	Film	23.21	- -	6	
MW-6	15.52	Sheen	23.98	- -	6	
MW-7	16.88	Sheen	27.05	- -	6	
MW-8	14.45	Sheen	24.88	- -	6	
MW-9	14.39	Film	24.31	- -	6	
MW-10	14.52	Sheen	23.81	- -	6	

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 1 of 10
Well Number: MW-1
Date: 10/27/2005
Weather: Sunny, 65-75
Time Began: 13:31
Sampling Personnel: DPK
Completed: 13:49

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	24.36' + 0.27'
- Depth to Water Below MP	15.17'
= Water Column in Well	9.46'
x Casing Diameter Multiplier	0.653
= Gallons in Casing	6.18
Gallons Pumped Prior to Sampling	20

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	✘
Acrillyc Bailer	
Pump	
Other	

Sample Method:

Evacuation Bailer	✘
Disposable Bailer	
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	13:36	13:40	13:45	13:49	
Gals Removed	5	10	15	20	
Temperature	20.2	20.4	20.4	20.4	
Conductivity	1114	1107	1107	1108	
pH	6.39	6.43	6.49	6.49	
Color / Odor	Grey	Grey	Grey	Grey	
Turbidity	Medium	Medium	Medium	Medium	
Product	None	None	None	None	

Comments:

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 2 of 10
Well Number: MW-2
Date: 10/27/2005
Weather: Sunny, 65-75
Time Began: 14:10
Sampling Personnel: DPK
Completed: 14:27

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	24.50' + 0.27'
- Depth to Water Below MP	15.16'
= Water Column in Well	9.61'
x Casing Diameter Multiplier	0.653
= Gallons in Casing	6.28
Gallons Pumped Prior to Sampling	20

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	✘
Acrillyc Bailer	
Pump	
Other	

Sample Method:

Evacuation Bailer	✘
Disposable Bailer	
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	14:16	14:19	14:23	14:27	
Gals Removed	5	10	15	20	
Temperature	21.0	20.8	20.7	20.6	
Conductivity	1403	1363	1300	1309	
pH	6.44	6.49	6.50	6.53	
Color / Odor	Tan	Tan	Tan	Tan	
Turbidity	Medium	Medium	Medium	Medium	
Product	None	None	None	None	

Comments:

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 3 of 10
Well Number: MW-3
Date: 10/28/2005
Weather: Sunny, 65-75
Time Began: 15:13
Sampling Personnel: DPK
Completed: 15:29

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	24.27' + 0.27'
- Depth to Water Below MP	15.32'
= Water Column in Well	9.22'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.56
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	✘
Acrillyc Bailer	
Pump	
Other	

Sample Method:

Evacuation Bailer	✘
Disposable Bailer	
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	15:19	15:23	15:26	15:29	
Gals Removed	1.5	3	4.5	6	
Temperature	20.5	20.6	20.5	20.6	
Conductivity	915	914	913	913	
pH	6.53	6.53	6.57	6.56	
Color / Odor	Grey	Grey	Grey	Grey	
Turbidity	Medium	Medium	Medium	Medium	
Product	None	None	None	None	

Comments:

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 4 of 10
Well Number: MW-4
Date: 10/27/2005
Weather: Sunny, 65-75
Time Began: 16:20
Sampling Personnel: DPK
Completed: 16:34

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	24.01' + 0.27'
- Depth to Water Below MP	14.84'
= Water Column in Well	9.44'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.60
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	✘
Acrillyc Bailer	
Pump	
Other	

Sample Method:

Evacuation Bailer	✘
Disposable Bailer	
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	16:26	16:29	16:31	16:34	
Gals Removed	1.5	3	4.5	6	
Temperature	22.0	22.1	22.3	22.2	
Conductivity	1315	1319	1320	1314	
pH	6.41	6.45	6.46	6.48	
Color / Odor	Grey-Tan	Grey-Tan	Tan	Tan	
Turbidity	Medium	Medium	Medium	Medium	
Product	None	None	None	None	

Comments:

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 5 of 10
Well Number: MW-5
Date: 10/27/2005
Weather: Sunny, 65-75
Time Began: 14:49
Sampling Personnel: DPK
Completed: 15:14

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	22.94' + 0.27'
- Depth to Water Below MP	14.64'
= Water Column in Well	8.57'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.45
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	✘
Acrillyc Bailer	
Pump	
Other	

Sample Method:

Evacuation Bailer	✘
Disposable Bailer	
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	15:05	15:08	15:11	15:14	
Gals Removed	1.5	3	4.5	6	
Temperature	21.4	21.5	21.3	21.1	
Conductivity	1367	1366	1368	1365	
pH	6.26	6.36	6.35	6.36	
Color / Odor	Grey	Grey	Grey	Grey	
Turbidity	Medium	Medium	Medium	Medium	
Product	Sheen	Film	Film	Film	

Comments: Replaced well seal.

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 6 of 10
Well Number: MW-6
Date: 10/27/2005
Weather: Sunny, 65-75
Time Began: 16:46
Sampling Personnel: DPK
Completed: 17:06

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	23.71' + 0.27'
- Depth to Water Below MP	15.52'
= Water Column in Well	8.46'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.43
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	✘
Acrillyc Bailer	
Pump	
Other	

Sample Method:

Evacuation Bailer	✘
Disposable Bailer	
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	16:53	16:57	17:01	17:06	
Gals Removed	1.5	3	4.5	6	
Temperature	20.8	20.9	20.8	20.8	
Conductivity	1461	1464	1467	1467	
pH	6.34	6.36	6.35	6.44	
Color / Odor	Grey-Tan	Grey-Tan	Grey	Grey-Tan	
Turbidity	Medium	Medium	Medium	Medium	
Product	None	Sheen	Sheen	Sheen	

Comments: Replaced well seal.

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 7 of 10
Well Number: MW-7
Date: 10/27/2005
Weather: Sunny, 65-75
Time Began: 15:39
Sampling Personnel: DPK
Completed: 16:00

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	26.78' + 0.27'
- Depth to Water Below MP	16.88'
= Water Column in Well	10.17'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.72
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	
Acrillyc Bailer	
Pump	
Other	Disposable

Sample Method:

Evacuation Bailer	
Disposable Bailer	✘
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	15:44	15:48	15:54	16:00	
Gals Removed	1.5	3	4.5	6	
Temperature	20.5	20.6	20.5	20.6	
Conductivity	1536	1531	1502	1489	
pH	6.47	6.45	6.42	6.36	
Color / Odor	Tan	Tan	Tan	Tan	
Turbidity	High	Medium	Medium	Medium	
Product	Sheen	None	None	None	

Comments:

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 8 of 10
Well Number: MW-8
Date: 10/28/2005
Weather: Sunny, 65-75
Time Began: 14:21
Sampling Personnel: DPK
Completed: 14:49

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	24.61' + 0.27'
- Depth to Water Below MP	14.45'
= Water Column in Well	10.43'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.76
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	
Acrillyc Bailer	
Pump	
Other	Disposable

Sample Method:

Evacuation Bailer	
Disposable Bailer	✘
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	14:27	14:34	14:42	14:49	
Gals Removed	1.5	3	4.5	6	
Temperature	20.6	20.6	20.6	20.5	
Conductivity	1506	1510	1509	1494	
pH	6.40	6.40	6.40	6.48	
Color / Odor	Grey-Tan	Grey-Tan	Grey-Tan	Grey-Tan	
Turbidity	High	High	High	High	
Product	Sheen	Sheen	Sheen	Sheen	

Comments:

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 9 of 10
Well Number: MW-9
Date: 10/28/2005
Weather: Sunny, 65-75
Time Began: 13:15
Sampling Personnel: DPK
Completed: 13:45

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	24.04' + 0.27'
- Depth to Water Below MP	14.39'
= Water Column in Well	9.92'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.68
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	
Acrillyc Bailer	
Pump	
Other	Disposable

Sample Method:

Evacuation Bailer	
Disposable Bailer	✘
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	13:21	13:29	13:35	13:45	
Gals Removed	1.5	3	4.5	6	
Temperature	21.7	21.5	21.5	21.5	
Conductivity	1702	1694	1671	1658	
pH	6.45	6.45	6.44	6.43	
Color / Odor	Grey-Tan	Tan	Tan	Tan	
Turbidity	High	High	High	Medium	
Product	Film	Sheen	Sheen	Sheen	

Comments:

WELL SAMPLING LOG

Site Location: Prime Properties
Page: 10 of 10
Well Number: MW-10
Date: 10/28/2005
Weather: Sunny, 65-75
Time Began: 12:34
Sampling Personnel: DPK
Completed: 12:56

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	23.54' + 0.27'
- Depth to Water Below MP	14.52'
= Water Column in Well	9.29'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.57
Gallons Pumped Prior to Sampling	6

Sample Collected

Volatile Organics (VOA's)	5
1 Liter Amber Glass	
Polyethylene (plastic)	
Other	
Samples Filtered	No

Evacuation Method:

PVC Bailer	
Acrillyc Bailer	
Pump	
Other	Disposable

Sample Method:

Evacuation Bailer	
Disposable Bailer	✘
Pump	
Direct	

SAMPLING DATA / FIELD PARAMETERS

Inspection for Free Product: None, Clear
(thickness to 0.01 foot, if any)

Time	12:40	12:45	12:51	12:56	
Gals Removed	1.5	3	4.5	6	
Temperature	20.8	20.7	20.7	20.7	
Conductivity	1500	1466	1443	1440	
pH	6.41	6.40	6.32	6.39	
Color / Odor	Tan	Tan	Tan	Tan	
Turbidity	High	High	Medium	Medium	
Product	Sheen	Sheen	Sheen	None	

Comments:

WELL DEVELOPMENT LOG

Site Location: Prime Properties
Page: 1 of 4
Well Number: MW-7
Date: 10/20/2005
Weather: Sunny, 65-75
Time Began: 15:43
Developing Personnel: DPK
Completed: 16:29

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	26.81' + 0.27'
- Depth to Water Below MP	16.85'
= Water Column in Well	10.23'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.73

Evacuation Method:

PVC Bailer	✘
Pump	
Other	

FIELD PARAMETERS

Inspection for Free Product: Sheen , Tan
(thickness to 0.01 foot, if any)

Time	15:54	16:07	16:15	16:22	16:29
Surge Time	5 min	5 min	2 min	2 min	- -
Gals Removed	5	5	3	3	3
Temperature	20.7	20.5	20.4	20.5	20.5
Conductivity	2413	2116	1883	1774	1672
pH	6.55	6.48	6.58	6.69	6.53
Color / Odor	Tan	Tan	Tan	Tan	Tan
Turbidity	Very High	Very High	Very High	High	High
Product	Sheen	Sheen	None	None	None
Other					
Dewatered	No	No	No	No	No
Recharge Time					

Comments:

WELL DEVELOPMENT LOG

Site Location: Prime Properties
Page: 2 of 4
Well Number: MW-8
Date: 10/20/2005
Weather: Sunny, 65-75
Time Began: 16:03
Developing Personnel: DPK
Completed: 17:42

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	23.24' + 0.27'
- Depth to Water Below MP	14.41'
= Water Column in Well	9.10'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.54

Evacuation Method:
PVC Bailer: ✘
Pump:
Other:

FIELD PARAMETERS

Inspection for Free Product: None , Tan
(thickness to 0.01 foot, if any)

Time	17:04	17:16	17:30	17:37	17:42
Surge Time	5 min	5 min	2 min	2 min	- -
Gals Removed	5	5	3	3	3
Temperature	20.3	20.1	20.2	20.3	20.2
Conductivity	2013	1975	1900	1866	1614
pH	6.46	6.33	6.48	6.51	6.47
Color / Odor	Grey	Grey	Grey	Grey	Grey
Turbidity	Very High	Very High	Very High	Very High	Very HIgh
Product	Sheen	None	Sheen	Sheen	None
Other					
Dewatered	No	No	No	No	No
Recharge Time					

Comments:

WELL DEVELOPMENT LOG

Site Location: Prime Properties
Page: 3 of 4
Well Number: MW-9
Date: 10/20/2005
Weather: Sunny, 65-75
Time Began: 12:33
Developing Personnel: DPK
Completed: 13:22

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	23.86' + 0.27'
- Depth to Water Below MP	14.35'
= Water Column in Well	9.78'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.65

Evacuation Method:

PVC Bailer	✘
Pump	
Other	

FIELD PARAMETERS

Inspection for Free Product: Sheen , Tan
(thickness to 0.01 foot, if any)

Time	12:44	12:56	13:05	13:13	13:22
Surge Time	5 min	5 min	2 min	2 min	- -
Gals Removed	5	5	3	3	3
Temperature	22.0	21.9	21.9	21.9	21.9
Conductivity	2302	1965	1866	1791	1713
pH	6.60	6.47	6.55	6.56	6.57
Color / Odor	Tan	Tan	Tan	Tan	Tan
Turbidity	Very High	Very High	High	High	High
Product	Film	Film	Sheen	Film	None
Other					
Dewatered	No	No	No	No	No
Recharge Time					

Comments:

WELL DEVELOPMENT LOG

Site Location: Prime Properties
Page: 4 of 4
Well Number: MW-10
Date: 10/20/2005
Weather: Sunny, 65-75
Time Began: 14:04
Developing Personnel: DPK
Completed: 15:03

EVACUATION DATA

Description of Measuring Point (MP): T.O.C.

Total Sounded Depth of Well Below MP	23.52' + 0.27'
- Depth to Water Below MP	14.48'
= Water Column in Well	9.31'
x Casing Diameter Multiplier	0.169
= Gallons in Casing	1.57

Evacuation Method:

PVC Bailer	✘
Pump	
Other	

FIELD PARAMETERS

Inspection for Free Product: None , Tan
(thickness to 0.01 foot, if any)

Time	14:15	14:34	14:44	14:57	15:03
Surge Time	5 min	5 min	2 min	2 min	- -
Gals Removed	5	5	3	3	3
Temperature	20.4	20.6	20.5	20.6	20.6
Conductivity	2126	1683	1557	1535	1487
pH	6.62	6.51	6.48	6.50	6.48
Color / Odor	Tan	Tan	Tan	Tan	Tan
Turbidity	Very High	Very High	High	High	High
Product	None	Sheen	Sheen	Sheen	Sheen
Other					
Dewatered	No	No	No	No	No
Recharge Time					

Comments:

ATTACHMENT E

Survey Data

Silicon Valley Land Surveying, Inc.

1093 North Fifth Street • San Jose, CA 95112 • Tel (408) 971-8572 • Fax (408) 971-8501

October 25, 2005

Mr. Gary Aguiar
Hydro Analysis, Inc.
11100 San Pablo Ave., suite 200-A
El Cerrito, CA 94530

Subject: Letter of Transmittal,
Monitoring Wells Survey for,
580 West "A" Street, Hayward, Calif.
SVLS Project No. 03-0260

Dear Mr. Aguiar,

Please find enclosed the GEOTracker Data Report for the Hayward site on October 24, 2005. An electronic copy has been emailed to you previously.

Additionally, your invoice for the service rendered is provided herein. We always appreciate your prompt payment.

If I can be any of further assistance, please do not hesitate to call.

Thank you for selecting Silicon Valley Land Surveying, Inc. as your land surveying consultant.

Very respectfully yours,

Timothy J. Redd, PLS
Principal Surveyor/President

Encl.

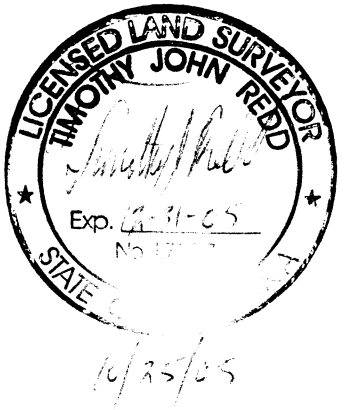
Via US Mail

TR/kh

Transletter-WestAStreet-Hayward-MonWells-102505

GeoTracker_Z Report for
Monitoring Wells Surveyed at 580 West A Street, Hayward, CA.
by Silicon Valley Land Surveying, Inc. for Hydro Analysis, Inc.

FIELD_PT	ELEV_SUR	ELEVATION	ELEV_I	ELEV	ELEV	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC	
MW-7	10/24/2005	51.089	DIG	88	2	Silicon Valley Land Surveying Inc.	1.819	NGS HT 0227	Adjusted to NAVD 88
MW-8	10/24/2005	48.577	DIG	88	2	Silicon Valley Land Surveying Inc.	-0.534	NGS HT 0227	Adjusted to NAVD 88
MW-9	10/24/2005	48.269	DIG	88	2	Silicon Valley Land Surveying Inc.	-0.223	NGS HT 0227	Adjusted to NAVD 88
MW-10	10/24/2005	48.412	DIG	88	2	Silicon Valley Land Surveying Inc.	-0.404	NGS HT 0227	Adjusted to NAVD 88



GeoTracker_XY Report for
Monitoring Wells Surveyed at 580 West A Street, Hayward, CA site
by Silicon Valley Land Surveying, Inc. for Hydro Analysis, Inc.

FIELD_PT_NAME	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE
MW-7	10/21/2005	37.6659687	122.1109735	CGPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530
MW-8	10/21/2005	37.6659573	122.1111887	CGPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530
MW-9	10/21/2005	37.6657760	122.1116849	CGPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530
MW-10	10/21/2005	37.6655720	122.1116717	CGPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530

10/25/05

Hydro Analysis, Inc.

Prime Properties Hayward

1 November 2005

INPUT	OUTPUT
Geographic, NAD83	State Plane, NAD83 0403 - California 3, U.S. Feet

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MW-1

1/10

Latitude: 37.6657543
Longitude: 122.1110476

Northing/Y: 2068892.252
Easting/X: 6095377.658

Convergence: -0 59 10.80584
Scale Factor: 0.999930282

MW-2

2/10

Latitude: 37.6657543
Longitude: 122.1111421

Northing/Y: 2068892.723
Easting/X: 6095350.309

Convergence: -0 59 11.01412
Scale Factor: 0.999930282

MW-3

3/10

Latitude: 37.6657741
Longitude: 122.1109271

Northing/Y: 2068898.860
Easting/X: 6095412.655

Convergence: -0 59 10.54026
Scale Factor: 0.999930282

MW-4

4/10

Latitude: 37.6658586
Longitude: 122.1110720

Northing/Y: 2068930.345
Easting/X: 6095371.250

Convergence: -0 59 10.85962
Scale Factor: 0.999930280

Remark:

Hydro Analysis, Inc.

Prime Properties Hayward

1 November 2005

INPUT	OUTPUT
Geographic, NAD83	State Plane, NAD83 0403 - California 3, U.S. Feet

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MW-5

5/10

Latitude: 37.6658838
Longitude: 122.1113597

Northing/Y: 2068940.953
Easting/X: 6095288.147

Convergence: -0 59 11.49372
Scale Factor: 0.999930279

MW-6

6/10

Latitude: 37.6657995
Longitude: 122.1113563

Northing/Y: 2068910.246
Easting/X: 6095288.602

Convergence: -0 59 11.48623
Scale Factor: 0.999930281

MW-7

7/10

Latitude: 37.6659687
Longitude: 122.1109735

Northing/Y: 2068969.937
Easting/X: 6095400.447

Convergence: -0 59 10.64252
Scale Factor: 0.999930277

MW-8

8/10

Latitude: 37.6659573
Longitude: 122.111187

Northing/Y: 2068966.851
Easting/X: 6095338.588

Convergence: -0 59 11.11308
Scale Factor: 0.999930277

Remark:

Hydro Analysis, Inc.

Prime Properties Hayward

1 November 2005

INPUT	OUTPUT
Geographic, NAD83	State Plane, NAD83 0403 - California 3, U.S. Feet

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MW-9

9/10

Latitude: 37.6657760
Longitude: 122.1116849

Northing/Y: 2068903.328
Easting/X: 6095193.357

Convergence: -0 59 12.21047
Scale Factor: 0.999930282

MW-10

10/10

Latitude: 37.6655720
Longitude: 122.1116717

Northing/Y: 2068828.994
Easting/X: 6095195.898

Convergence: -0 59 12.18138
Scale Factor: 0.999930287

Remark:

ATTACHMENT F

Analytical Results

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

HydroAnalysis Inc
11100 San Pablo Ave
Suite 200A
El Cerrito, CA 94530

Date: 01-NOV-05
Lab Job Number: 182514
Project ID: PRIME PROPERTIES
Location: Prime Properties

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**182514**
Client:	**HydroAnalysis Inc**
Project:	**PRIME PROPERTIES**
Location:	**Prime Properties**
Request Date:	**10/17/05**
Samples Received:	**10/17/05**

This hardcopy data package contains sample and QC results for sixteen soil samples, requested for the above referenced project on 10/17/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):

High surrogate recovery was observed for bromofluorobenzene (FID) in MW-7@15' (lab # 182514-003), due to interference from coeluting hydrocarbon peaks; the corresponding trifluorotoluene (FID) surrogate recovery was within limits.

High surrogate recovery was observed for trifluorotoluene (PID) in MW-8@20' (lab # 182514-009), due to interference from coeluting hydrocarbon peaks; the corresponding bromofluorobenzene (PID) surrogate recovery was within limits.

No other analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID:	MW-7@5'	Sampled:	10/11/05
Type:	SAMPLE	Analyzed:	10/18/05
Lab ID:	182514-001		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.6	ug/Kg	EPA 8021B
Toluene	ND	5.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.6	ug/Kg	EPA 8021B
o-Xylene	ND	5.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	59-140	EPA 8015B
Bromofluorobenzene (FID)	100	62-149	EPA 8015B
Trifluorotoluene (PID)	91	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

Field ID:	MW-7@10'	Sampled:	10/11/05
Type:	SAMPLE	Analyzed:	10/18/05
Lab ID:	182514-002		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.6	ug/Kg	EPA 8021B
Toluene	ND	5.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.6	ug/Kg	EPA 8021B
o-Xylene	ND	5.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	59-140	EPA 8015B
Bromofluorobenzene (FID)	105	62-149	EPA 8015B
Trifluorotoluene (PID)	94	63-125	EPA 8021B
Bromofluorobenzene (PID)	105	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID: MW-7@15' Sampled: 10/11/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-003

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	12 H Y	0.92	mg/Kg	EPA 8015B
MTBE	ND	18	ug/Kg	EPA 8021B
Benzene	ND	4.6	ug/Kg	EPA 8021B
Toluene	ND	4.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	119	59-140	EPA 8015B
Bromofluorobenzene (FID)	162 *	62-149	EPA 8015B
Trifluorotoluene (PID)	107	63-125	EPA 8021B
Bromofluorobenzene (PID)	122	71-129	EPA 8021B

Field ID: MW-7@20' Sampled: 10/11/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-004

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	11	0.91	mg/Kg	EPA 8015B
MTBE	ND	18	ug/Kg	EPA 8021B
Benzene	ND	4.5	ug/Kg	EPA 8021B
Toluene	ND	4.5	ug/Kg	EPA 8021B
Ethylbenzene	240	4.5	ug/Kg	EPA 8021B
m,p-Xylenes	130	4.5	ug/Kg	EPA 8021B
o-Xylene	ND	4.5	ug/Kg	EPA 8021B

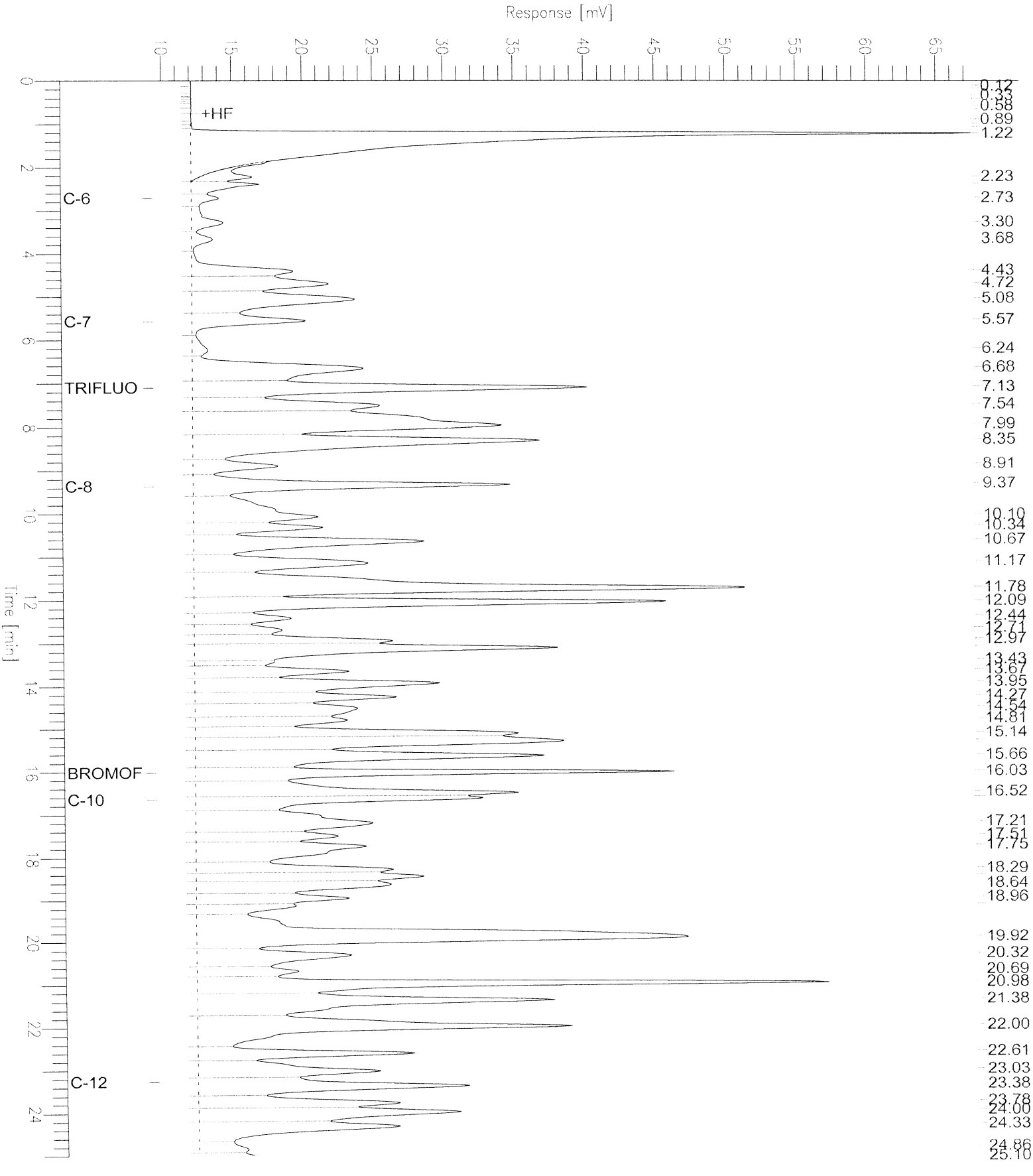
Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	122	59-140	EPA 8015B
Bromofluorobenzene (FID)	117	62-149	EPA 8015B
Trifluorotoluene (PID)	122	63-125	EPA 8021B
Bromofluorobenzene (PID)	113	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 182514-003,106825
FileName : G:\GC19\DATA\291X009.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

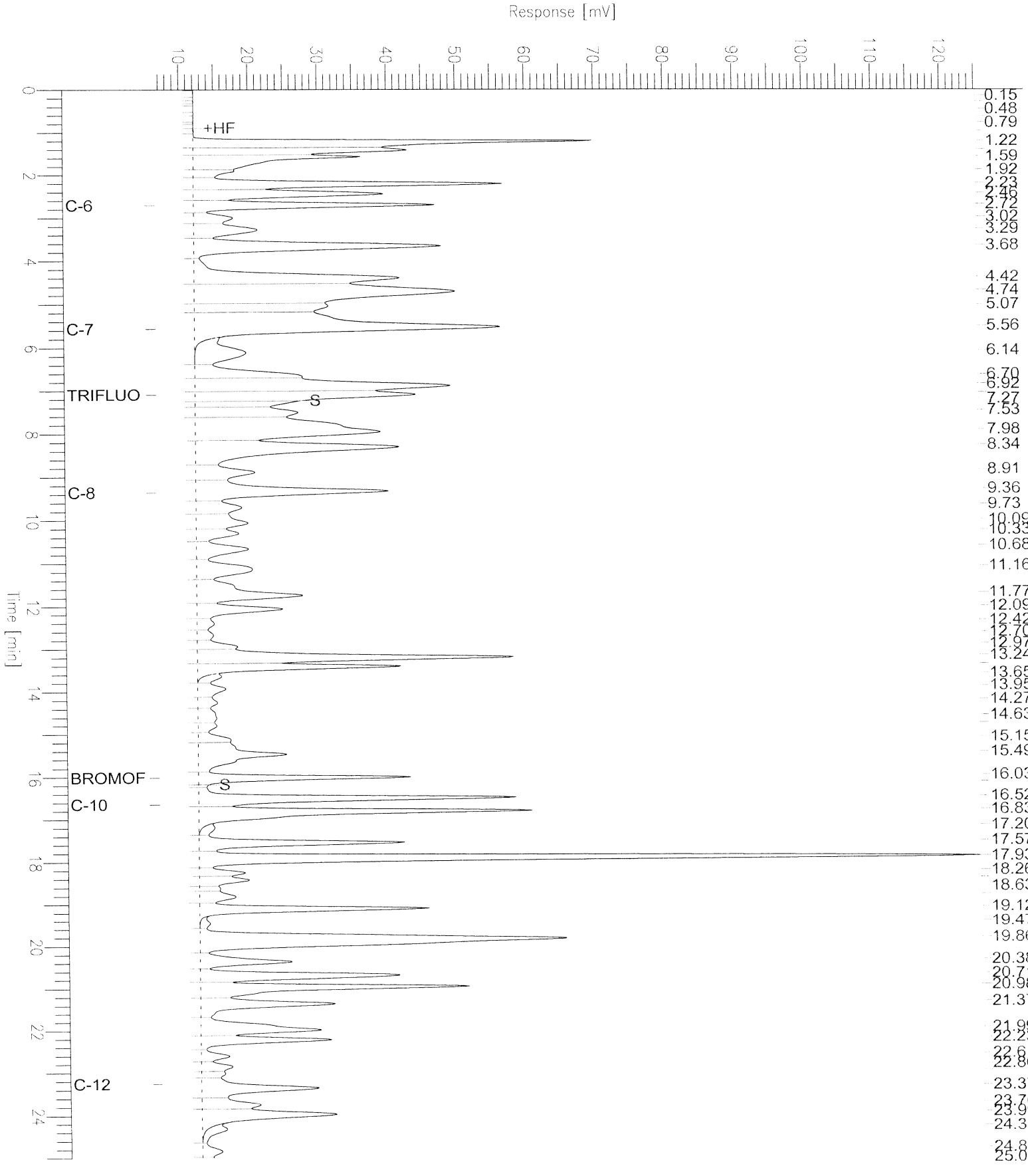
Sample #: a Page 1 of 1
Date : 10/19/05 10:45 AM
Time of Injection: 10/18/05 01:25 PM
Low Point : 9.36 mV High Point : 67.50 mV
Plot Scale: 58.1 mV



GC19 TVH 'X' Data File (FID)

Sample Name : 182514-004,106825
FileName : G:\GC19\DATA\291X010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

Sample #: a Page 1 of 1
Date : 10/19/05 10:45 AM
Time of Injection: 10/18/05 01:59 PM
Low Point : 6.47 mV High Point : 125.19 mV
Plot Scale: 118.7 mV



Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID: MW-8@5' Sampled: 10/11/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-006

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.6	ug/Kg	EPA 8021B
Toluene	ND	5.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.6	ug/Kg	EPA 8021B
o-Xylene	ND	5.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	59-140	EPA 8015B
Bromofluorobenzene (FID)	97	62-149	EPA 8015B
Trifluorotoluene (PID)	90	63-125	EPA 8021B
Bromofluorobenzene (PID)	99	71-129	EPA 8021B

Field ID: MW-8@10' Sampled: 10/11/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-007

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	59-140	EPA 8015B
Bromofluorobenzene (FID)	106	62-149	EPA 8015B
Trifluorotoluene (PID)	94	63-125	EPA 8021B
Bromofluorobenzene (PID)	107	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID:	MW-8@15'	Sampled:	10/11/05
Type:	SAMPLE	Analyzed:	10/18/05
Lab ID:	182514-008		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	3.4	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	12 C	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	32	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	59-140	EPA 8015B
Bromofluorobenzene (FID)	114	62-149	EPA 8015B
Trifluorotoluene (PID)	106	63-125	EPA 8021B
Bromofluorobenzene (PID)	107	71-129	EPA 8021B

Field ID:	MW-8@20'	Sampled:	10/11/05
Type:	SAMPLE	Analyzed:	10/18/05
Lab ID:	182514-009		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	6.6	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	120	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

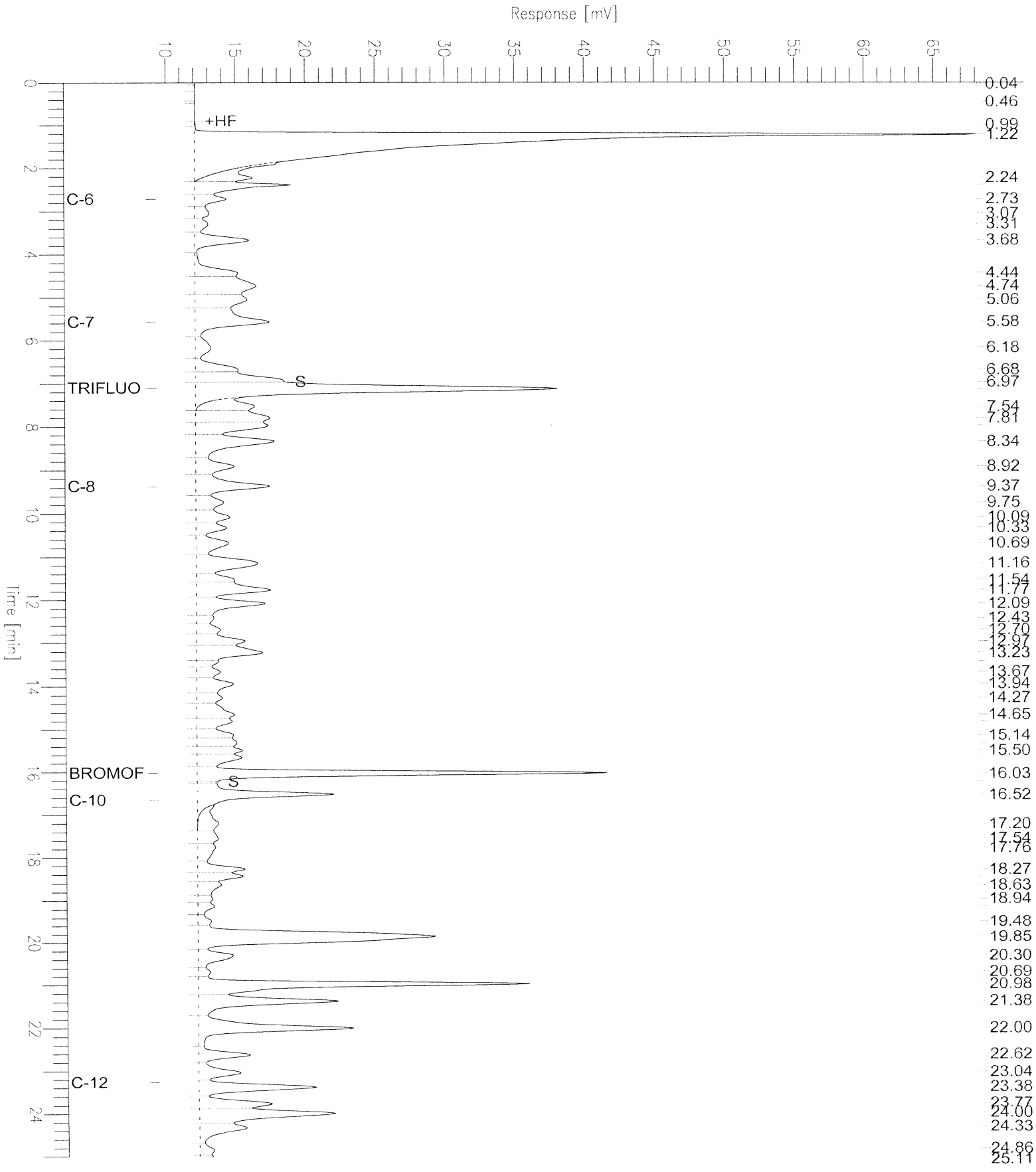
Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	122	59-140	EPA 8015B
Bromofluorobenzene (FID)	115	62-149	EPA 8015B
Trifluorotoluene (PID)	150 *	63-125	EPA 8021B
Bromofluorobenzene (PID)	112	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 182514-008,106825
FileName : G:\GC19\DATA\291X015.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

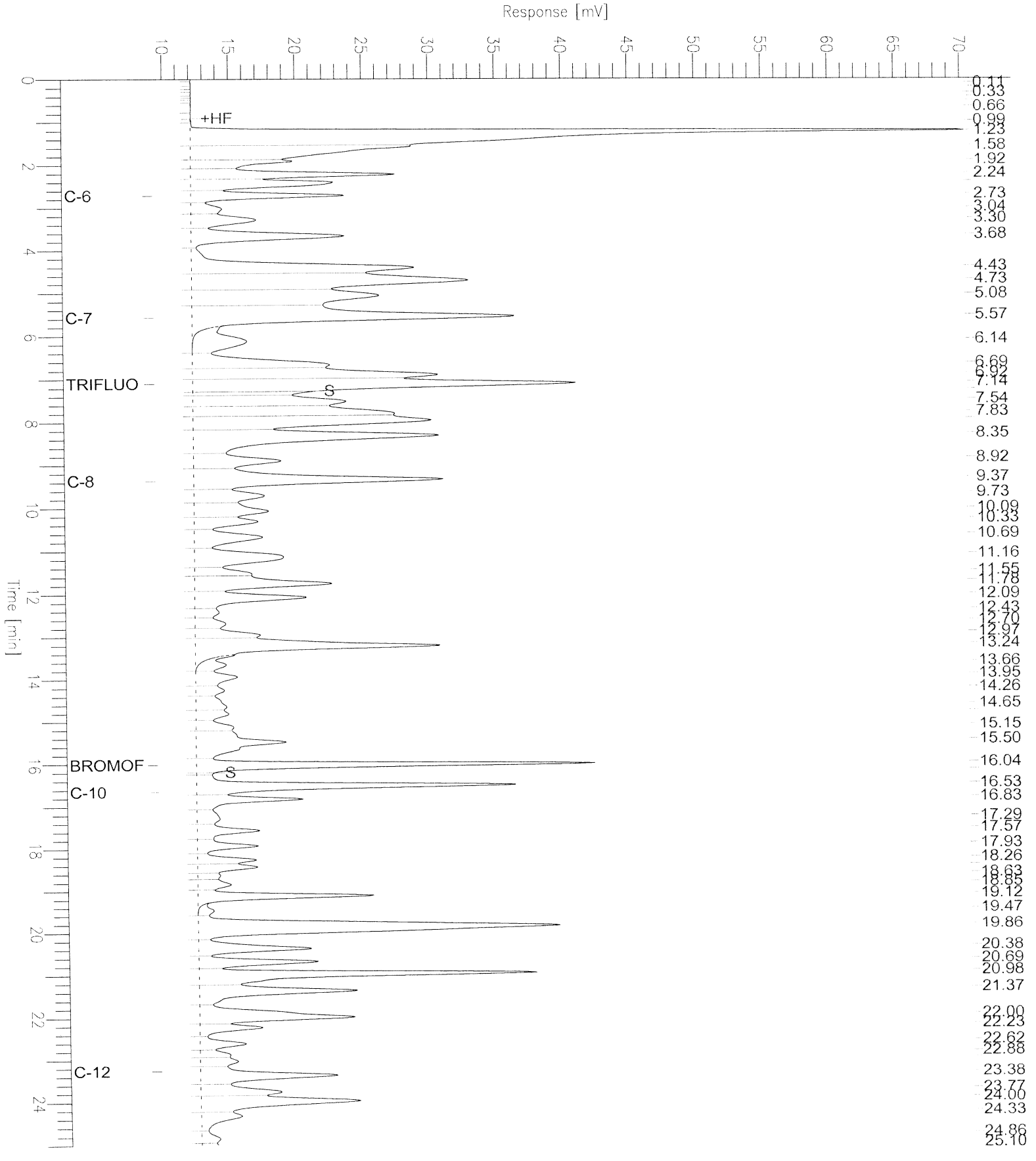
Sample #: a
Date : 10/19/05 10:46 AM
Time of Injection: 10/18/05 04:53 PM
Low Point : 9.30 mV High Point : 68.05 mV
Plot Scale: 58.7 mV



GC19 TVH 'X' Data File (FID)

Sample Name : 182514-009,106825
FileName : G:\GC19\DATA\291X016.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

Sample #: a Page 1 of 1
Date : 10/19/05 10:46 AM
Time of Injection: 10/18/05 05:27 PM
Low Point : 9.24 mV High Point : 70.28 mV
Plot Scale: 61.0 mV



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Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID: MW-9@5' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-011

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	59-140	EPA 8015B
Bromofluorobenzene (FID)	102	62-149	EPA 8015B
Trifluorotoluene (PID)	92	63-125	EPA 8021B
Bromofluorobenzene (PID)	102	71-129	EPA 8021B

Field ID: MW-9@10' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-012

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.97	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	59-140	EPA 8015B
Bromofluorobenzene (FID)	102	62-149	EPA 8015B
Trifluorotoluene (PID)	99	63-125	EPA 8021B
Bromofluorobenzene (PID)	105	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID: MW-9@15' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-013

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	59-140	EPA 8015B
Bromofluorobenzene (FID)	108	62-149	EPA 8015B
Trifluorotoluene (PID)	94	63-125	EPA 8021B
Bromofluorobenzene (PID)	107	71-129	EPA 8021B

Field ID: MW-9@20' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-014

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	6.7	0.98	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	30 C	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

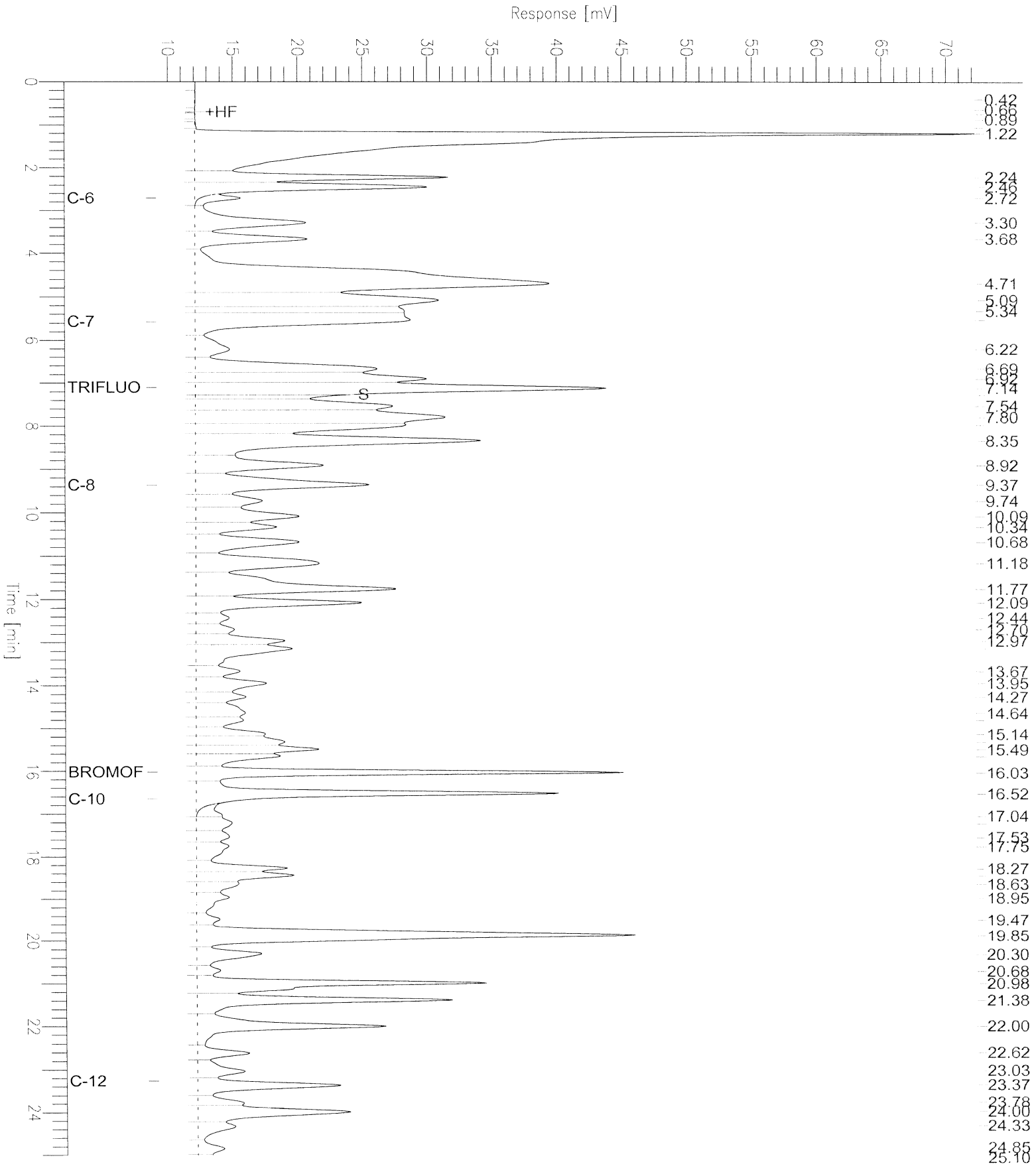
Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	131	59-140	EPA 8015B
Bromofluorobenzene (FID)	130	62-149	EPA 8015B
Trifluorotoluene (PID)	124	63-125	EPA 8021B
Bromofluorobenzene (PID)	118	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 182514-014,106825
FileName : G:\GC19\DATA\291X020.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

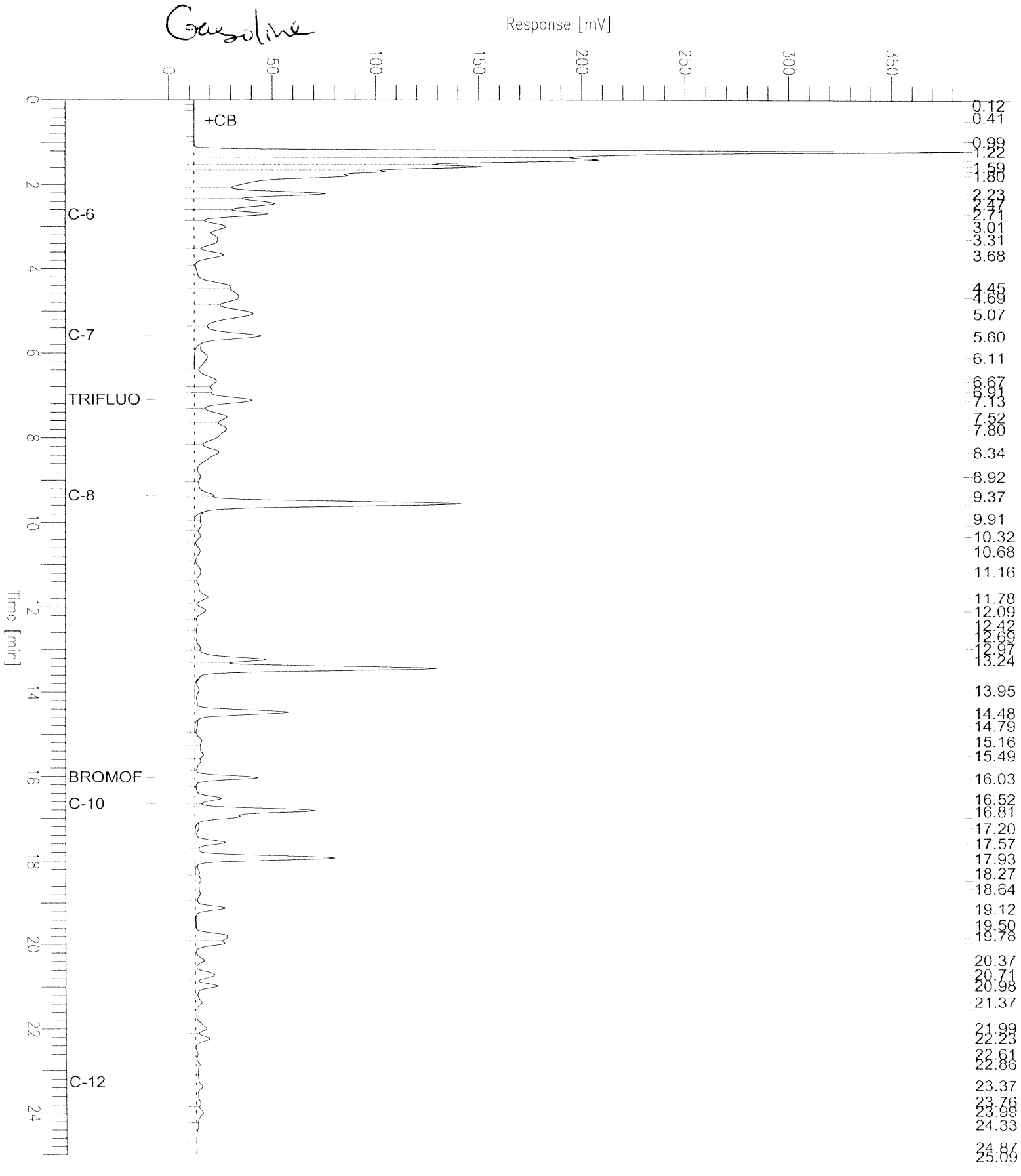
Sample #: a Page 1 of 1
Date : 10/19/05 10:46 AM
Time of Injection: 10/18/05 07:44 PM
Low Point : 9.09 mV High Point : 72.23 mV
Plot Scale: 63.1 mV



GC19 TVH 'X' Data File (FID)

Sample Name : ccv/lcs,qc313333,106825,S1762,5/5000
FileName : g:\gc19\data\291x003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -6 mV

Sample #: Page 1 of 1
Date : 10/18/05 10:48 AM
Time of Injection: 10/18/05 08:28 AM
Low Point : -6.35 mV High Point : 384.57 mV
Plot Scale: 390.9 mV



Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID: MW-10@5' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-015

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	59-140	EPA 8015B
Bromofluorobenzene (FID)	102	62-149	EPA 8015B
Trifluorotoluene (PID)	95	63-125	EPA 8021B
Bromofluorobenzene (PID)	105	71-129	EPA 8021B

Field ID: MW-10@10' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-016

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	59-140	EPA 8015B
Bromofluorobenzene (FID)	109	62-149	EPA 8015B
Trifluorotoluene (PID)	96	63-125	EPA 8021B
Bromofluorobenzene (PID)	108	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Field ID: MW-10@15' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/18/05
Lab ID: 182514-017

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	59-140	EPA 8015B
Bromofluorobenzene (FID)	104	62-149	EPA 8015B
Trifluorotoluene (PID)	95	63-125	EPA 8021B
Bromofluorobenzene (PID)	106	71-129	EPA 8021B

Field ID: MW-10@20' Sampled: 10/12/05
Type: SAMPLE Analyzed: 10/19/05
Lab ID: 182514-018

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	11	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	59-140	EPA 8015B
Bromofluorobenzene (FID)	102	62-149	EPA 8015B
Trifluorotoluene (PID)	92	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	106825
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000		

Type: BLANK
Lab ID: QC313331
Analyzed: 10/18/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	86	59-140	EPA 8015B
Bromofluorobenzene (FID)	99	62-149	EPA 8015B
Trifluorotoluene (PID)	88	63-125	EPA 8021B
Bromofluorobenzene (PID)	98	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC313332	Diln Fac:	1.000
Matrix:	Soil	Batch#:	106825
Units:	ug/Kg	Analyzed:	10/18/05

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	109.9	110	71-130
Benzene	100.0	97.06	97	80-120
Toluene	100.0	96.02	96	80-120
Ethylbenzene	100.0	97.59	98	80-120
m,p-Xylenes	100.0	95.37	95	80-120
o-Xylene	100.0	102.1	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	95	63-125
Bromofluorobenzene (PID)	108	71-129

Curtis & Tompkins, Ltd.
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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC313333	Diln Fac:	1.000
Matrix:	Soil	Batch#:	106825
Units:	mg/Kg	Analyzed:	10/18/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.224	92	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	59-140
Bromofluorobenzene (FID)	115	62-149

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182514	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	MW-7@5'	Diln Fac:	1.000
MSS Lab ID:	182514-001	Batch#:	106825
Matrix:	Soil	Sampled:	10/11/05
Units:	mg/Kg	Received:	10/17/05
Basis:	as received	Analyzed:	10/19/05

Type: MS Lab ID: QC313377

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1224	10.99	9.949	91	44-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	59-140
Bromofluorobenzene (FID)	108	62-149

Type: MSD Lab ID: QC313378

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.64	9.721	91	44-120	1	23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	59-140
Bromofluorobenzene (FID)	110	62-149

RPD= Relative Percent Difference

182514

CHAIN OF CUSTODY RECORD

Page 1 of 2

PROJECT NAME AND ADDRESS: Prime Properties, 580 West A Street, Hayward, Global ID T0600100023

SAMPLER: (Signature) [signature]

HYDRO ANALYSIS, INC.
11100 San Pablo Ave., Suite 200-A
El Cerrito, CA 94530
(510)620-0891 (510)620-0894 (FAX)

Log Code HAIE

ANALYSIS REQUESTED: TPHG + BTEX + MTBE; EDF/EDD Files

	CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	SAMPLE LOCATION	TPHG + BTEX + MTBE						EDF/EDD Files	REMARKS
-1	MW-7 @ 5'	10/11/05	14:26	X		Boring MW-7 @ 5' bgs	X						X	Normal Turnaround Time
-2	MW-7 @ 10'	10/11/05	14:31	X		Boring MW-7 @ 10' bgs	X						X	
-3	MW-7 @ 15'	10/11/05	14:39	X		Boring MW-7 @ 15' bgs	X						X	
-4	MW-7 @ 20'	10/11/05	14:46	X		Boring MW-7 @ 20' bgs	X						X	
-5	MW-7 @ 25'	10/11/05	15:06	X		Boring MW-7 @ 25' bgs	Hold							
-6	MW-8 @ 5'	10/11/05	11:35	X		Boring MW-8 @ 5' bgs	X						X	
-7	MW-8 @ 10'	10/11/05	11:45	X		Boring MW-8 @ 10' bgs	X						X	
-8	MW-8 @ 15'	10/11/05	11:50	X		Boring MW-8 @ 15' bgs	X						X	
-9	MW-8 @ 20'	10/11/05	11:55	X		Boring MW-8 @ 20' bgs	X						X	
-10	MW-8 @ 25'	10/11/05	12:03	X		Boring MW-8 @ 25' bgs	Hold							
-11	MW-9 @ 5'	10/12/05	11:54	X		Boring MW-9 @ 5' bgs	X						X	
-12	MW-9 @ 10'	10/12/05	12:01	X		Boring MW-9 @ 10' bgs	X						X	
-13	MW-9 @ 15'	10/12/05	12:05	X		Boring MW-9 @ 15' bgs	X						X	
-14	MW-9 @ 20'	10/12/05	12:09	X		Boring MW-9 @ 20' bgs	X						X	
-15	MW-10 @ 5'	10/12/05	09:50	X		Boring MW-10 @ 5' bgs	X						X	

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
[signature]	DATE 10/17/05 TIME 12:28	[signature]	DATE 10/17/05 TIME 12:30 p.m.
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE TIME

Received ☐ Cold ☐ Ambient ☑ Intact

182514

CHAIN OF CUSTODY RECORD

PROJECT NAME AND ADDRESS:
Prime Properties
580 West A Street
Hayward
Global ID T0600100023

SAMPLER: (Signature) Doug Klingeman

HYDRO ANALYSIS, INC.
11100 San Pablo Ave., Suite 200-A
El Cerrito, CA 94530
(510)620-0891 (510)620-0894 (FAX)

ANALYSIS REQUESTED

	CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	Log Code HAIE SAMPLE LOCATION	TPHG + BTEX + MTBE						EDF/EDD Files	REMARKS Normal Turnaround Time
-16	MW-10@ 10'	10/12/05	09:55	X		Boring MW-10@ 10' bgs	X						X	
-17	MW-10@ 15'	10/12/05	09:57	X		Boring MW-10 @ 15' bgs	X						X	
-18	MW-10@ 20'	10/12/05	10:02	X		Boring MW-10 @ 20' bgs	X						X	
-19	MW-10@ 25'	10/12/05	10:06	X		Boring MW-10 @ 25' bgs	Hold							

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
Doug Klingeman	DATE 10/17/05 TIME 12:28	Savanna Curtis	DATE 10/17/05 TIME 12:30
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE TIME

Received ☒ On Ice ☐ Cold ☐ Ambient ☒ Intact

Submission#: 2005-11-0010

Hydro Analysis November 04, 2005

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530

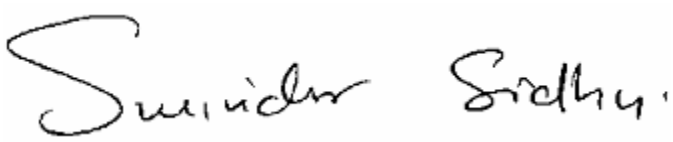
Attn.: Douglas Klingerman
Project: Prime Properties
Site: 580 West A Street., Hayward

Dear MR. Klingmerman,

Attached is our report for your samples received on 11/01/2005 11:08
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/16/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,



Surinder Sidhu
Project Manager

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/27/2005 13:49	Water	1
MW-2	10/27/2005 14:27	Water	2
MW-3	10/28/2005 15:29	Water	3
MW-4	10/27/2005 16:34	Water	4
MW-5	10/27/2005 15:14	Water	5
MW-6	10/27/2005 17:06	Water	6
MW-7	10/27/2005 16:00	Water	7
MW-8	10/28/2005 14:49	Water	8
MW-9	10/28/2005 13:45	Water	9
MW-10	10/28/2005 12:56	Water	10

Fuel Oxygenates by 8260B

Hydro Analysis

Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-1**	Lab ID:	2005-11-0010 - 1
Sampled:	10/27/2005 13:49	Extracted:	11/2/2005 19:49
Matrix:	Water	QC Batch#:	2005/11/02-02.62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9600	500	ug/L	10.00	11/02/2005 19:49	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	11/02/2005 19:49	
Benzene	5.1	5.0	ug/L	10.00	11/02/2005 19:49	
Toluene	7.4	5.0	ug/L	10.00	11/02/2005 19:49	
Ethylbenzene	1200	5.0	ug/L	10.00	11/02/2005 19:49	
Total xylenes	1000	10	ug/L	10.00	11/02/2005 19:49	
Surrogate(s)						
1,2-Dichloroethane-d4	93.5	73-130	%	10.00	11/02/2005 19:49	
Toluene-d8	95.2	81-114	%	10.00	11/02/2005 19:49	

Fuel Oxygenates by 8260B

Hydro Analysis

Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-2**	Lab ID:	2005-11-0010 - 2
Sampled:	10/27/2005 14:27	Extracted:	11/2/2005 20:16
Matrix:	Water	QC Batch#:	2005/11/02-02.62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5400	250	ug/L	5.00	11/02/2005 20:16	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	11/02/2005 20:16	
Benzene	93	2.5	ug/L	5.00	11/02/2005 20:16	
Toluene	6.2	2.5	ug/L	5.00	11/02/2005 20:16	
Ethylbenzene	290	2.5	ug/L	5.00	11/02/2005 20:16	
Total xylenes	150	5.0	ug/L	5.00	11/02/2005 20:16	
Surrogate(s)						
1,2-Dichloroethane-d4	99.1	73-130	%	5.00	11/02/2005 20:16	
Toluene-d8	97.2	81-114	%	5.00	11/02/2005 20:16	

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08
Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2005-11-0010 - 3
Sampled:	10/28/2005 15:29	Extracted:	11/2/2005 20:42
Matrix:	Water	QC Batch#:	2005/11/02-02.62
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2600	50	ug/L	1.00	11/02/2005 20:42	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/02/2005 20:42	
Benzene	ND	0.50	ug/L	1.00	11/02/2005 20:42	
Toluene	ND	0.50	ug/L	1.00	11/02/2005 20:42	
Ethylbenzene	3.1	0.50	ug/L	1.00	11/02/2005 20:42	
Total xylenes	1.2	1.0	ug/L	1.00	11/02/2005 20:42	
Surrogate(s)						
1,2-Dichloroethane-d4	92.3	73-130	%	1.00	11/02/2005 20:42	
Toluene-d8	99.4	81-114	%	1.00	11/02/2005 20:42	

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08
Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-4**	Lab ID:	2005-11-0010 - 4
Sampled:	10/27/2005 16:34	Extracted:	11/2/2005 21:08
Matrix:	Water	QC Batch#:	2005/11/02-02.62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6900	250	ug/L	5.00	11/02/2005 21:08	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	11/02/2005 21:08	
Benzene	5.6	2.5	ug/L	5.00	11/02/2005 21:08	
Toluene	ND	2.5	ug/L	5.00	11/02/2005 21:08	
Ethylbenzene	21	2.5	ug/L	5.00	11/02/2005 21:08	
Total xylenes	ND	5.0	ug/L	5.00	11/02/2005 21:08	
Surrogate(s)						
1,2-Dichloroethane-d4	103.4	73-130	%	5.00	11/02/2005 21:08	
Toluene-d8	101.0	81-114	%	5.00	11/02/2005 21:08	

Fuel Oxygenates by 8260B

Hydro Analysis

Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-5**	Lab ID:	2005-11-0010 - 5
Sampled:	10/27/2005 15:14	Extracted:	11/3/2005 13:08
Matrix:	Water	QC Batch#:	2005/11/03-01.69

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	24000	250	ug/L	5.00	11/03/2005 13:08	
Methyl tert-butyl ether (MTBE)	26	2.5	ug/L	5.00	11/03/2005 13:08	
Benzene	88	2.5	ug/L	5.00	11/03/2005 13:08	
Toluene	ND	2.5	ug/L	5.00	11/03/2005 13:08	
Ethylbenzene	750	2.5	ug/L	5.00	11/03/2005 13:08	
Total xylenes	230	5.0	ug/L	5.00	11/03/2005 13:08	
Surrogate(s)						
1,2-Dichloroethane-d4	111.5	73-130	%	5.00	11/03/2005 13:08	
Toluene-d8	93.3	81-114	%	5.00	11/03/2005 13:08	

Fuel Oxygenates by 8260B

Hydro Analysis

Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2005-11-0010 - 6
Sampled:	10/27/2005 17:06	Extracted:	11/2/2005 22:01
Matrix:	Water	QC Batch#:	2005/11/02-02.62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	17000	1000	ug/L	20.00	11/02/2005 22:01	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	20.00	11/02/2005 22:01	
Benzene	41	10	ug/L	20.00	11/02/2005 22:01	
Toluene	ND	10	ug/L	20.00	11/02/2005 22:01	
Ethylbenzene	3200	10	ug/L	20.00	11/02/2005 22:01	
Total xylenes	540	20	ug/L	20.00	11/02/2005 22:01	
Surrogate(s)						
1,2-Dichloroethane-d4	98.2	73-130	%	20.00	11/02/2005 22:01	
Toluene-d8	96.9	81-114	%	20.00	11/02/2005 22:01	

Fuel Oxygenates by 8260B

Hydro Analysis

Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7**	Lab ID:	2005-11-0010 - 7
Sampled:	10/27/2005 16:00	Extracted:	11/2/2005 22:27
Matrix:	Water	QC Batch#:	2005/11/02-02.62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	8500	500	ug/L	10.00	11/02/2005 22:27	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	11/02/2005 22:27	
Benzene	14	5.0	ug/L	10.00	11/02/2005 22:27	
Toluene	ND	5.0	ug/L	10.00	11/02/2005 22:27	
Ethylbenzene	170	5.0	ug/L	10.00	11/02/2005 22:27	
Total xylenes	56	10	ug/L	10.00	11/02/2005 22:27	
Surrogate(s)						
1,2-Dichloroethane-d4	90.0	73-130	%	10.00	11/02/2005 22:27	
Toluene-d8	98.9	81-114	%	10.00	11/02/2005 22:27	

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08
Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-8**	Lab ID:	2005-11-0010 - 8
Sampled:	10/28/2005 14:49	Extracted:	11/3/2005 13:29
Matrix:	Water	QC Batch#:	2005/11/03-01.69

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	12000	250	ug/L	5.00	11/03/2005 13:29	
Methyl tert-butyl ether (MTBE)	9.7	2.5	ug/L	5.00	11/03/2005 13:29	
Benzene	75	2.5	ug/L	5.00	11/03/2005 13:29	
Toluene	ND	2.5	ug/L	5.00	11/03/2005 13:29	
Ethylbenzene	260	2.5	ug/L	5.00	11/03/2005 13:29	
Total xylenes	28	5.0	ug/L	5.00	11/03/2005 13:29	
Surrogate(s)						
1,2-Dichloroethane-d4	114.4	73-130	%	5.00	11/03/2005 13:29	
Toluene-d8	93.0	81-114	%	5.00	11/03/2005 13:29	

Fuel Oxygenates by 8260B

Hydro Analysis

Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9**	Lab ID:	2005-11-0010 - 9
Sampled:	10/28/2005 13:45	Extracted:	11/2/2005 23:19
Matrix:	Water	QC Batch#:	2005/11/02-02.62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9200	500	ug/L	10.00	11/02/2005 23:19	
Methyl tert-butyl ether (MTBE)	10	5.0	ug/L	10.00	11/02/2005 23:19	
Benzene	120	5.0	ug/L	10.00	11/02/2005 23:19	
Toluene	ND	5.0	ug/L	10.00	11/02/2005 23:19	
Ethylbenzene	59	5.0	ug/L	10.00	11/02/2005 23:19	
Total xylenes	ND	10	ug/L	10.00	11/02/2005 23:19	
Surrogate(s)						
1,2-Dichloroethane-d4	94.3	73-130	%	10.00	11/02/2005 23:19	
Toluene-d8	101.1	81-114	%	10.00	11/02/2005 23:19	

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08
Site: 580 West A Street., Hayward

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10**	Lab ID:	2005-11-0010 - 10
Sampled:	10/28/2005 12:56	Extracted:	11/2/2005 23:45
Matrix:	Water	QC Batch#:	2005/11/02-02.62
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3700	50	ug/L	1.00	11/02/2005 23:45	
Methyl tert-butyl ether (MTBE)	4.2	0.50	ug/L	1.00	11/02/2005 23:45	
Benzene	ND	0.50	ug/L	1.00	11/02/2005 23:45	
Toluene	ND	0.50	ug/L	1.00	11/02/2005 23:45	
Ethylbenzene	48	0.50	ug/L	1.00	11/02/2005 23:45	
Total xylenes	20	1.0	ug/L	1.00	11/02/2005 23:45	
Surrogate(s)						
1,2-Dichloroethane-d4	95.8	73-130	%	1.00	11/02/2005 23:45	
Toluene-d8	104.3	81-114	%	1.00	11/02/2005 23:45	

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08
Site: 580 West A Street., Hayward

Batch QC Report

Prep(s): 5030B | Test(s): 8260B

Method Blank | **Water** | **QC Batch # 2005/11/02-02.62**

MB: 2005/11/02-02.62-045 | Date Extracted: 11/02/2005 17:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/02/2005 17:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/02/2005 17:45	
Benzene	ND	0.5	ug/L	11/02/2005 17:45	
Toluene	ND	0.5	ug/L	11/02/2005 17:45	
Ethylbenzene	ND	0.5	ug/L	11/02/2005 17:45	
Total xylenes	ND	1.0	ug/L	11/02/2005 17:45	
Surrogates(s)					
1,2-Dichloroethane-d4	94.0	73-130	%	11/02/2005 17:45	
Toluene-d8	95.4	81-114	%	11/02/2005 17:45	

Fuel Oxygenates by 8260B

Hydro Analysis

Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/11/03-01.69**

MB: 2005/11/03-01.69-026 — Date Extracted: 11/03/2005 07:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/03/2005 07:26	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/03/2005 07:26	
Benzene	ND	0.5	ug/L	11/03/2005 07:26	
Toluene	ND	0.5	ug/L	11/03/2005 07:26	
Ethylbenzene	ND	0.5	ug/L	11/03/2005 07:26	
Total xylenes	ND	1.0	ug/L	11/03/2005 07:26	
Surrogates(s)					
1,2-Dichloroethane-d4	100.0	73-130	%	11/03/2005 07:26	
Toluene-d8	94.6	81-114	%	11/03/2005 07:26	

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/11/02-02.62**

LCS 2005/11/02-02.62-019 Extracted: 11/02/2005 Analyzed: 11/02/2005 17:19
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.5		25.0	94.0			65-165	20		
Benzene	26.2		25.0	104.8			69-129	20		
Toluene	24.2		25.0	96.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	434		500	86.8			73-130			
Toluene-d8	508		500	101.6			81-114			

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/11/03-01.69**

LCS 2005/11/03-01.69-044 Extracted: 11/03/2005 Analyzed: 11/03/2005 06:44

LCSD 2005/11/03-01.69-005 Extracted: 11/03/2005 Analyzed: 11/03/2005 07:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.5	28.0	25.0	110.0	112.0	1.8	65-165	20		
Benzene	22.7	23.8	25.0	90.8	95.2	4.7	69-129	20		
Toluene	23.3	25.3	25.0	93.2	101.2	8.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471	470	500	94.2	94.0		73-130			
Toluene-d8	480	487	500	96.0	97.4		81-114			

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/11/02-02.62**

MS/MSD

Lab ID: 2005-10-0606 - 014

MS: 2005/11/02-02.62-057 Extracted: 11/02/2005 Analyzed: 11/02/2005 18:57

Dilution: 1.00

MSD: 2005/11/02-02.62-023 Extracted: 11/02/2005 Analyzed: 11/02/2005 19:23

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.6	22.2	ND	25.0	94.4	88.8	6.1	65-165	20		
Benzene	27.4	24.7	ND	25.0	109.6	98.8	10.4	69-129	20		
Toluene	25.6	22.7	ND	25.0	102.4	90.8	12.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	457	463		500	91.4	92.6		73-130			
Toluene-d8	494	483		500	98.8	96.6		81-114			

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/11/03-01.69**

MS/MSD

Lab ID: 2005-11-0014 - 042

MS: 2005/11/03-01.69-035 Extracted: 11/03/2005 Analyzed: 11/03/2005 09:35

Dilution: 1.00

MSD: 2005/11/03-01.69-056 Extracted: 11/03/2005 Analyzed: 11/03/2005 09:56

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	45.4	50.6	12.4	25.0	132.0	152.8	14.6	65-165	20		
Benzene	25.3	27.0	ND	25.0	101.2	108.0	6.5	69-129	20		
Toluene	25.3	27.8	ND	25.0	101.2	111.2	9.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	527	573		500	105.4	114.6		73-130			
Toluene-d8	484	489		500	96.8	97.8		81-114			

Fuel Oxygenates by 8260B

Hydro Analysis
Attn.: Douglas Klingerman

11100 San Pablo Ave. Suite 200-A
El Cerrito, CA 94530
Phone: (510) 620-0891 Fax: (510) 620-0894

Project: Prime Properties

Received: 11/01/2005 11:08

Site: 580 West A Street., Hayward

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

STL San Francisco

Sample Receipt Checklist

Submission #:2005- 11-0010

	Checklist completed by:	NV	DATE	11/1/05
	Courier: ☐ STL SF	Courier ☐ Fedex UPS Other		Client ☐

	Log-In Details	Yes	No	Comments
1	Custody seals intact on shipping container/samples		✓	
2	Chain of custody present?	✓		
3	Chain of custody signed when relinquished and received?	✓		☐ Picked-Up at Secure Location ☐ Client signed-off at time prior to pick-up
4	All samples checked when COC relinquished		✓	
5	Chain of custody agrees with sample labels?	✓		
6	Samples in proper container/bottle?	✓		
7	Sample containers intact?	✓		
8	Sufficient sample volume for indicated test?	✓		
9	All samples received within holding time?	✓		

Cooler Temperature Compliance Check

Temperature Blank Reading	If no trip blank is submitted individual temperatures must be taken as per SOP	Cooler Sample Temperature			
		#1	#2	#3	Average
		3			3

Reason for Elevated Temperature	Samples with Temp > 6°C - Comments
☐ - Ice Melted ☐ Insufficient Ice ☐	
☐ Samp. in boxes ☐ Sampled < 4hr ☐ Ice not req.	

VOA Sample Inspection

		Small	Med.	Large	
Are bubbles present in any of the VOA vials ?	Sample #	0	0	0	Samples with broken, cracked or leaking containers
		☐	☐	☐	
		☐	☐	☐	
		☐	☐	☐	

Water - pH acceptable upon receipt?	Yes	No	Samples with Unacceptable pH
	☐	☐	

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: _____/_____/05 Client contacted: Ye☐ N☐

Summary of discussion:

Corrective Action (per PM/Client):

2005 Checklist Ver. 2.0

2005-11-0010

CHAIN OF CUSTODY RECORD

98747

Page 1 of 1

PROJECT NAME AND ADDRESS:
Prime Properties
580 West A Street
Hayward
Global ID T0600100023

SAMPLER: (Signature) Doug Klingerman

HYDRO ANALYSIS, INC.
11100 San Pablo Ave., Suite 200-A
El Cerrito, CA 94530
(510)620-0891 (510)620-0894 (FAX)

Log Code HAIE

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	SAMPLE LOCATION	TPH-Gas/BTEX	MTBE					EDF/EDD Files	REMARKS
MW-1	10/27/05	13:49		X	Monitor Well # MW-1	X	X					X	
MW-2	10/27/05	14:27		X	" " # MW-2	X	X					X	
MW-3	10/28/05	15:29		X	" " # MW-3	X	X					X	
MW-4	10/27/05	16:34		X	" " # MW-4	X	X					X	5 day TAT
MW-5	10/27/05	15:14		X	" " # MW-5	X	X					X	
MW-6	10/27/05	17:06		X	" " # MW-6	X	X					X	
MW-7	10/27/05	16:00		X	" " # MW-7	X	X					X	
MW-8	10/28/05	14:49		X	" " # MW-8	X	X					X	
MW-9	10/28/05	13:45		X	" " # MW-9	X	X					X	
MW-10	10/28/05	12:56		X	" " # MW-10	X	X					X	

Temp 3°C 40ml 5-14c

RELINQUISHED BY: (Signature) Doug Klingerman	DATE 11/1/05 TIME 11:08	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE 11/1/05 TIME 11:08

ATTACHMENT G

Waste Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 50298 N/A

Manifest Document No. N750298

2. Page 1 of

3. Generator's Name and Mailing Address

PRIME PROPERTIES
11100 SAN PABLO AVE. #200A
EL CERRITO CA 94530

4. Generator's Phone ( ) (510) 620-0891

Site Address

580 WEST A STREET
HAYWARD
CA 94541

0539

5. Transporter 1 Company Name: NORTH STATE ENVIRONMENTAL

6. US EPA ID Number: CAR000159459

A. State Transporter's ID

B. Transporter 1 Phone (650) 588-2838

7. Transporter 2 Company Name: ASBURY ENVIRONMENTAL SERVICES

8. US EPA ID Number: CAD028277036

C. State Transporter's ID

D. Transporter 2 Phone (323) 268.5056

9. Designated Facility Name and Site Address

D.K. ENVIRONMENTAL
3650 E. 26th Street
Los Angeles CA90223

10. US EPA ID Number: CAT080033681

E. State Facility's ID

F. Facility's Phone (800) 974-4495

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE LIQUID (WATER)	05	DM	00275	G
b. NON-HAZARDOUS WASTE SOLID (SOIL)	08	DM	03200	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above

TERRY (510) 620-0891 Emergency Contact:

Trans 1 address: 815 DUBUQUE AVE. "S", SO. SAN FRANCISCO, CA 94080

Trans 2 address: 7300 CHEVRON WAY, DIXON, CA 95620

H. Handling Codes for Wastes Listed Above

a: 5 S b: 5 S
c: d:

15. Special Handling Instructions and Additional Information

A: 351102-35
B: 351102-34

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
D.B. Prime Properties		11	04	05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
STEVE MATTUCCI		11	04	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

NON-HAZARDOUS WASTE

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

HydroAnalysis Inc
11100 San Pablo Ave
Suite 200A
El Cerrito, CA 94530

Date: 31-OCT-05
Lab Job Number: 182511
Project ID: STANDARD
Location: Prime Properties

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**182511**
Client:	**HydroAnalysis Inc**
Location:	**Prime Properties**
Request Date:	**10/17/05**
Samples Received:	**10/17/05**

This hardcopy data package contains sample and QC results for one four-point soil composite, requested for the above referenced project on 10/17/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182511	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD		
Field ID:	COMPOSITE	Batch#:	106825
Matrix:	Soil	Sampled:	10/12/05
Basis:	as received	Received:	10/17/05
Diln Fac:	1.000	Analyzed:	10/18/05

Type: SAMPLE Lab ID: 182511-005

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	2.3 H Y	0.98	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	8.1	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	59-140	EPA 8015B
Bromofluorobenzene (FID)	113	62-149	EPA 8015B
Trifluorotoluene (PID)	97	63-125	EPA 8021B
Bromofluorobenzene (PID)	107	71-129	EPA 8021B

Type: BLANK Lab ID: QC313331

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

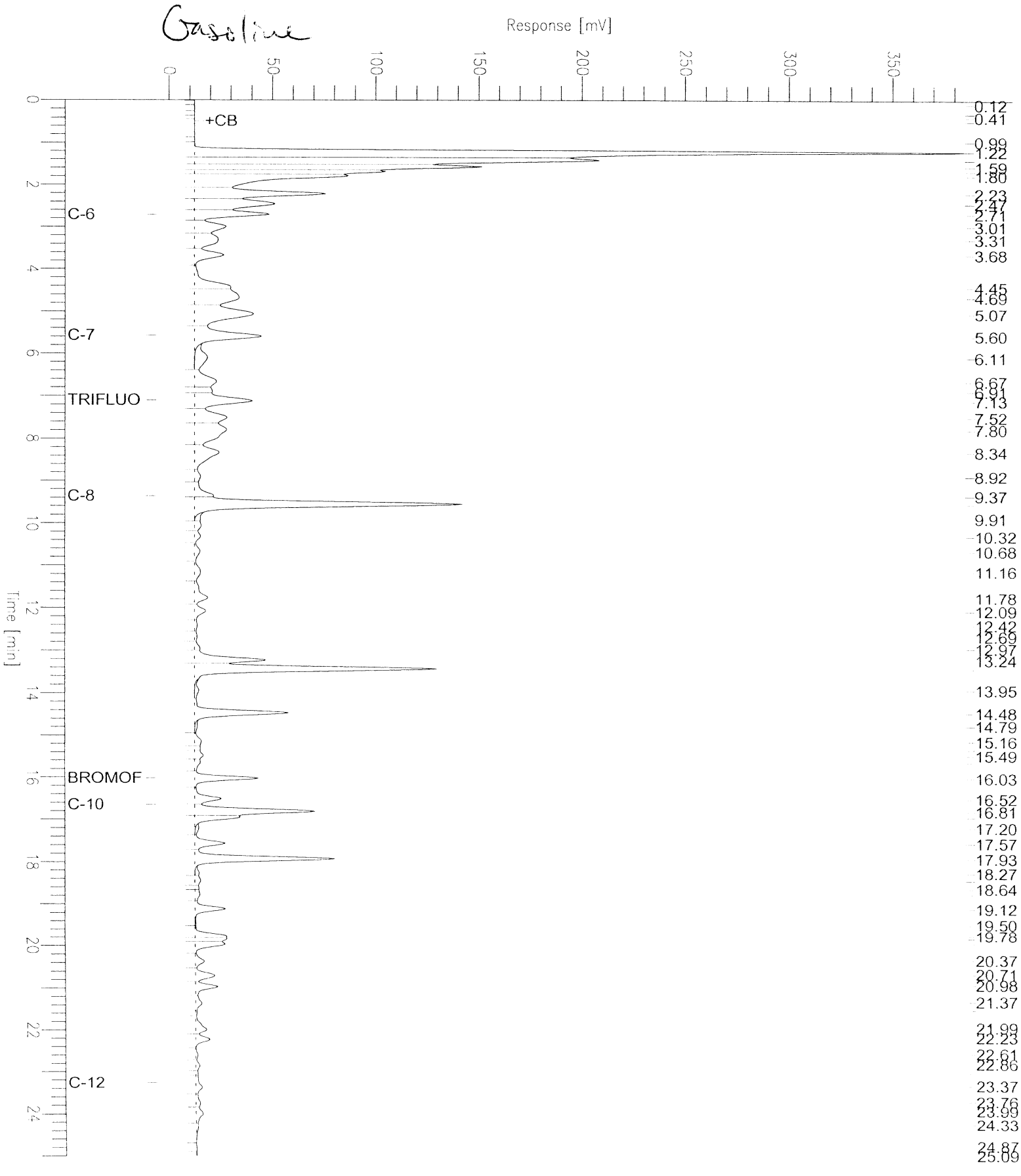
Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	86	59-140	EPA 8015B
Bromofluorobenzene (FID)	99	62-149	EPA 8015B
Trifluorotoluene (PID)	88	63-125	EPA 8021B
Bromofluorobenzene (PID)	98	71-129	EPA 8021B

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : ccv/lcs,qc313333,106825,S1762,5/5000
FileName : g:\gc19\data\291x003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -6 mV

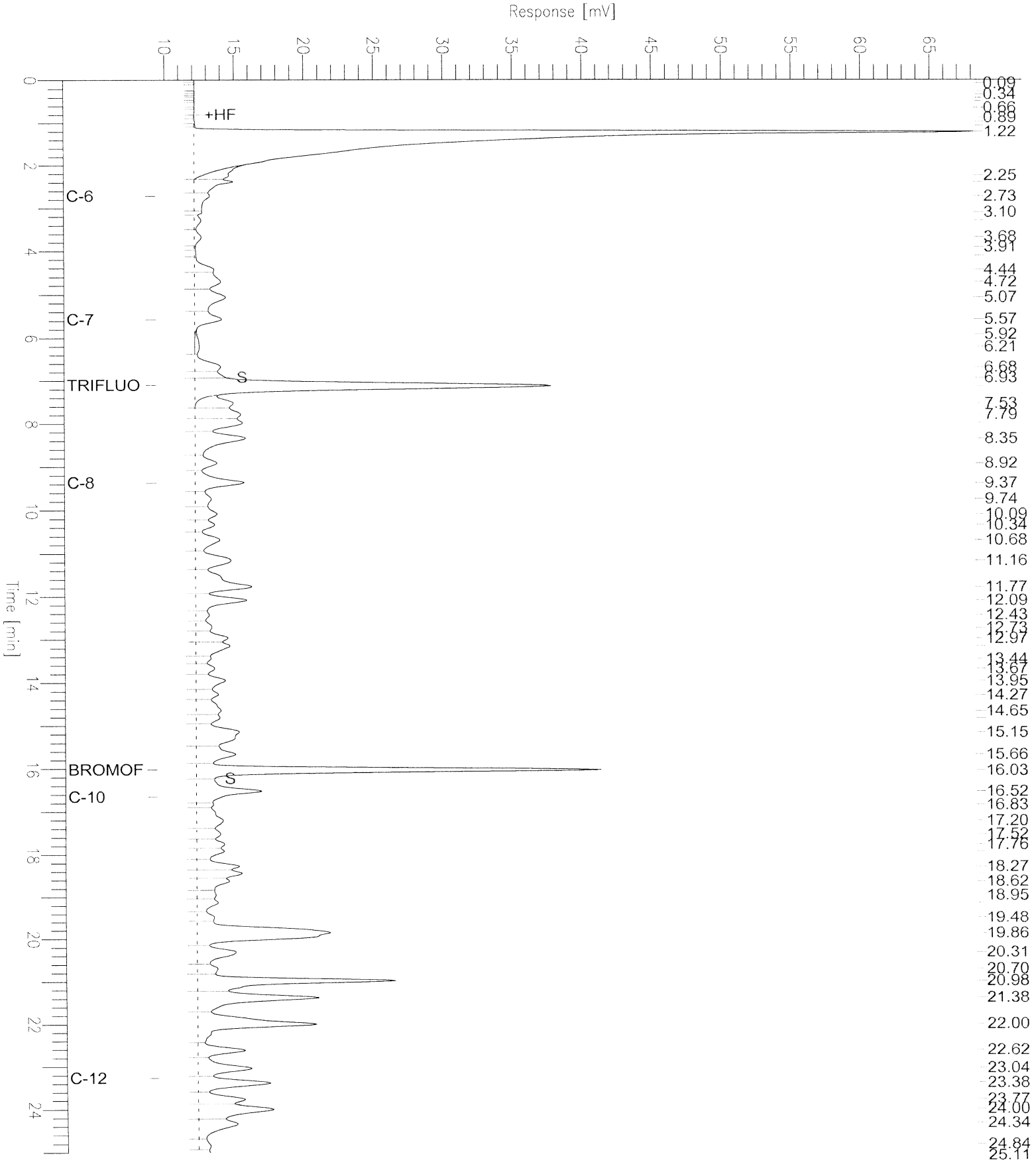
Sample #: Page 1 of 1
Date : 10/18/05 10:48 AM
Time of Injection: 10/18/05 08:28 AM
Low Point : -6.35 mV High Point : 384.57 mV
Plot Scale: 390.9 mV



GC19 TVH 'X' Data File (FID)

Sample Name : 182511-005,106825
FileName : G:\GC19\DATA\291X007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

Sample #: comp Page 1 of 1
Date : 10/19/05 10:45 AM
Time of Injection: 10/18/05 12:17 PM
Low Point : 9.31 mV High Point : 68.17 mV
Plot Scale: 58.9 mV



Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182511	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC313332	Diln Fac:	1.000
Matrix:	Soil	Batch#:	106825
Units:	ug/Kg	Analyzed:	10/18/05

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	109.9	110	71-130
Benzene	100.0	97.06	97	80-120
Toluene	100.0	96.02	96	80-120
Ethylbenzene	100.0	97.59	98	80-120
m,p-Xylenes	100.0	95.37	95	80-120
o-Xylene	100.0	102.1	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	95	63-125
Bromofluorobenzene (PID)	108	71-129

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182511	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC313333	Diln Fac:	1.000
Matrix:	Soil	Batch#:	106825
Units:	mg/Kg	Analyzed:	10/18/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.224	92	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	59-140
Bromofluorobenzene (FID)	115	62-149

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182511	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	MW-7@5'	Diln Fac:	1.000
MSS Lab ID:	182514-001	Batch#:	106825
Matrix:	Soil	Sampled:	10/11/05
Units:	mg/Kg	Received:	10/17/05
Basis:	as received	Analyzed:	10/19/05

Type: MS Lab ID: QC313377

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1224	10.99	9.949	91	44-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	59-140
Bromofluorobenzene (FID)	108	62-149

Type: MSD Lab ID: QC313378

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.64	9.721	91	44-120	1	23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	59-140
Bromofluorobenzene (FID)	110	62-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Lead

Lab #:	182511	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	106970
Field ID:	COMPOSITE	Sampled:	10/12/05
Matrix:	Soil	Received:	10/17/05
Units:	mg/Kg	Prepared:	10/21/05
Basis:	as received	Analyzed:	10/21/05
Diln Fac:	1.000		

Type	Lab ID	Result	RL
SAMPLE	182511-005	6.2	0.10
BLANK	QC313914	ND	0.15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Lead

Lab #:	182511	Location:	Prime Properties
Client:	HydroAnalysis Inc	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	106970
MSS Lab ID:	182637-001	Sampled:	10/19/05
Matrix:	Soil	Received:	10/20/05
Units:	mg/Kg	Prepared:	10/21/05
Basis:	as received	Analyzed:	10/21/05

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC313915		100.0	102.0	102	80-120		
BSD	QC313916		100.0	100.0	100	80-120	2	20
MS	QC313917	<0.05254	100.0	94.00	94	57-125		
MSD	QC313918		82.64	76.03	92	57-125	2	20

RPD= Relative Percent Difference

182511

CHAIN OF CUSTODY RECORD

PROJECT NAME AND ADDRESS:
Prime Properties
580 West A Street
Hayward

SAMPLER: (Signature) Doug Klingsman

HYDRO ANALYSIS, INC.
11100 San Pablo Ave., Suite 200-A
El Cerrito, CA 94530
(510)620-0891 (510)620-0894 (FAX)

ANALYSIS REQUESTED

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	SAMPLE LOCATION	TPHG + BTEX + MTBE	Total Lead	Normal Turnaround Time	REMARKS
-1 Drum 1	10/11/05	11:52	X		4 point composite of soil cuttings	X	X		-5 No EDF
-2 Drum 2	10/11/05	14:53	X						
-3 Drum 3	10/12/05	10:17	X						
-4 Drum 4	10/12/05	12:15	X						

RELINQUISHED BY: (Signature) Doug Klingsman	DATE 10/17/05 TIME 12:28	RECEIVED BY: (Signature) Lavanka Lewis	DATE 10/17/05 TIME 12:30
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)	DATE TIME

Received 5 Coolers

HYDRO ANALYSIS, INC.
Environmental & Water Resources Engineering
Groundwater Consultants

November 14, 2005

Danilo Galang
City of Hayward Fire Department
Hayward City Hall
777 B Street
Hayward, CA 94541

Re: 580 West A Street
Hayward, CA
RB File No. 01-0027

Dear Mr. Galang:

Please find enclosed a copy of the report titled "*Report of Subsurface Investigation, Prime Properties, 580 West A Street, Hayward, California*" by Hydro Analysis, Inc., dated November 11, 2005.

Based upon the results of this most recent subsurface investigation, it has been concluded that the concentrations of Gasoline, Benzene and MTBE found in the shallow groundwater beneath the Prime Properties site are part of the hydrocarbon plume that is emanating from the EZ Serve site located at 525 West "A" Street (see Figures 7, 8 & 9 of the investigation report).

We recommend that the future course of action should include 1) **notification of the responsible parties for the EZ Serve site by the City of Hayward** regarding the results of this investigation, 2) quarterly groundwater monitoring in order to establish an acceptable historical record of groundwater flow direction and contaminant concentrations as they pertain to the newly-installed monitoring wells, and 3) coordination with the EZ Serve site in order to conduct quarterly sampling activities at the same time and to share analytical data in a timely manner.

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If you have any questions, please contact me at (510)620-0891.

Sincerely,

Gary Aguiar
Principal Engineer

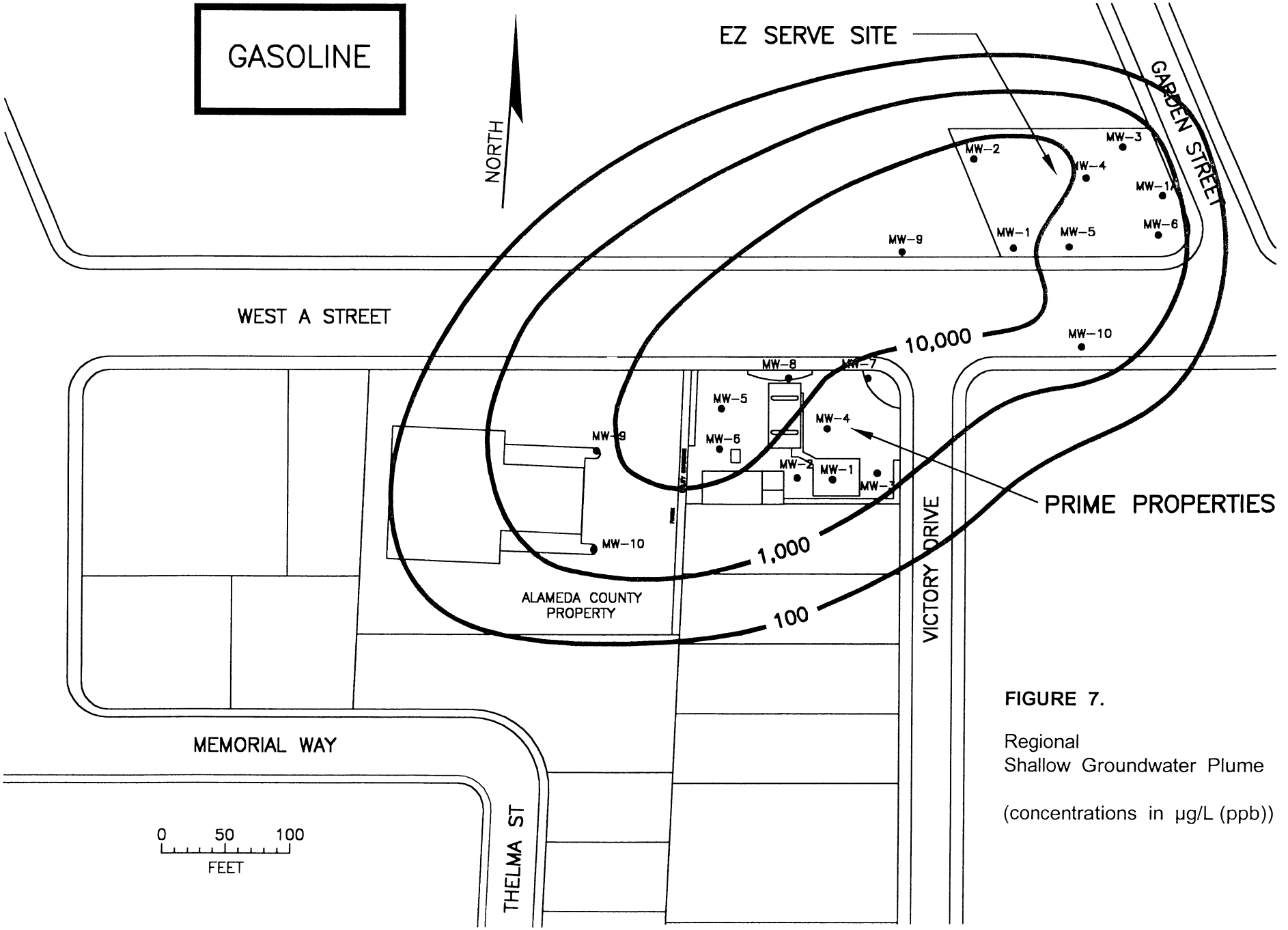

FIGURE 7.

Regional
Shallow Groundwater Plume

(concentrations in µg/L (ppb))

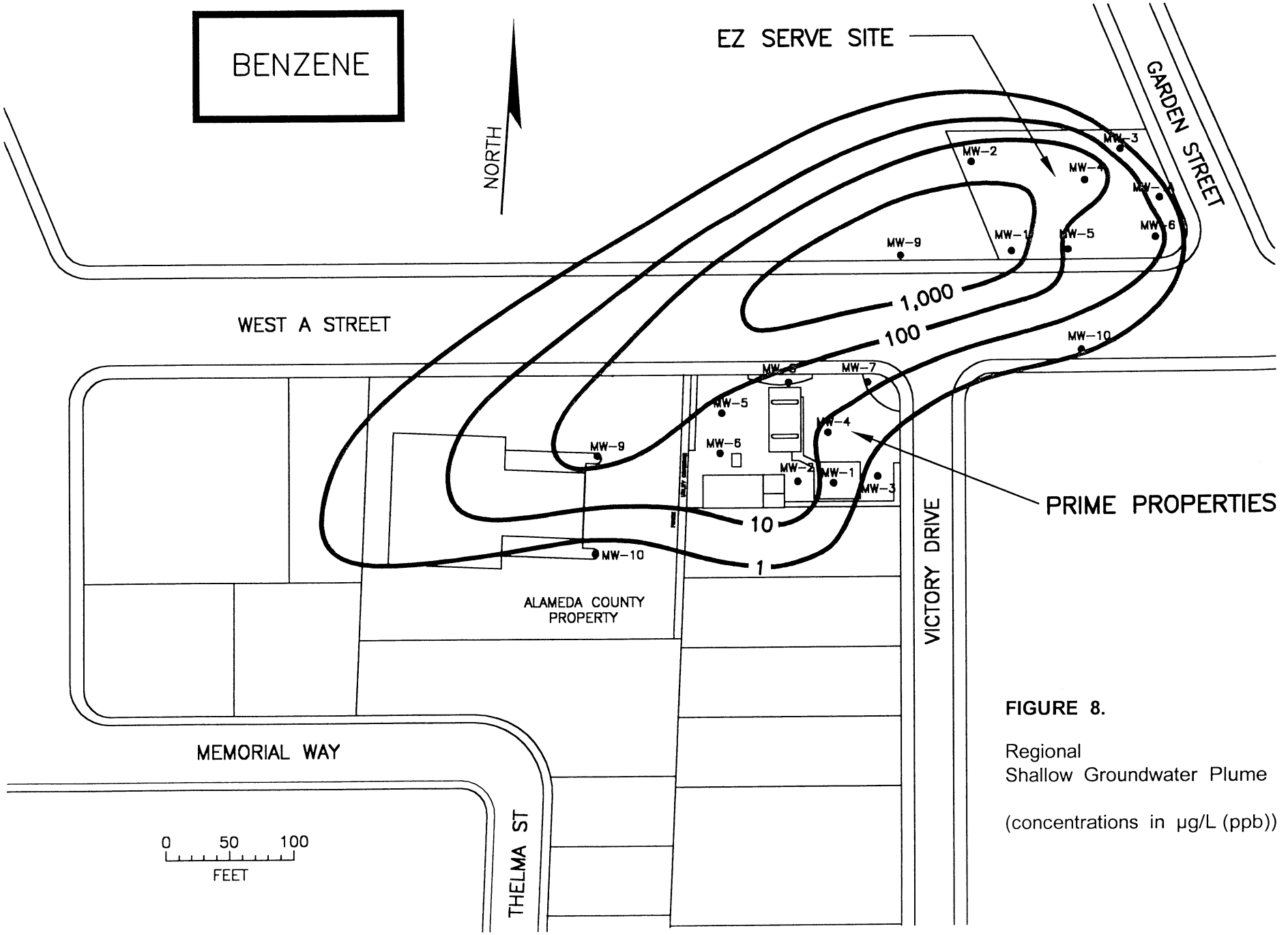

FIGURE 8.

Regional
Shallow Groundwater Plume

(concentrations in µg/L (ppb))

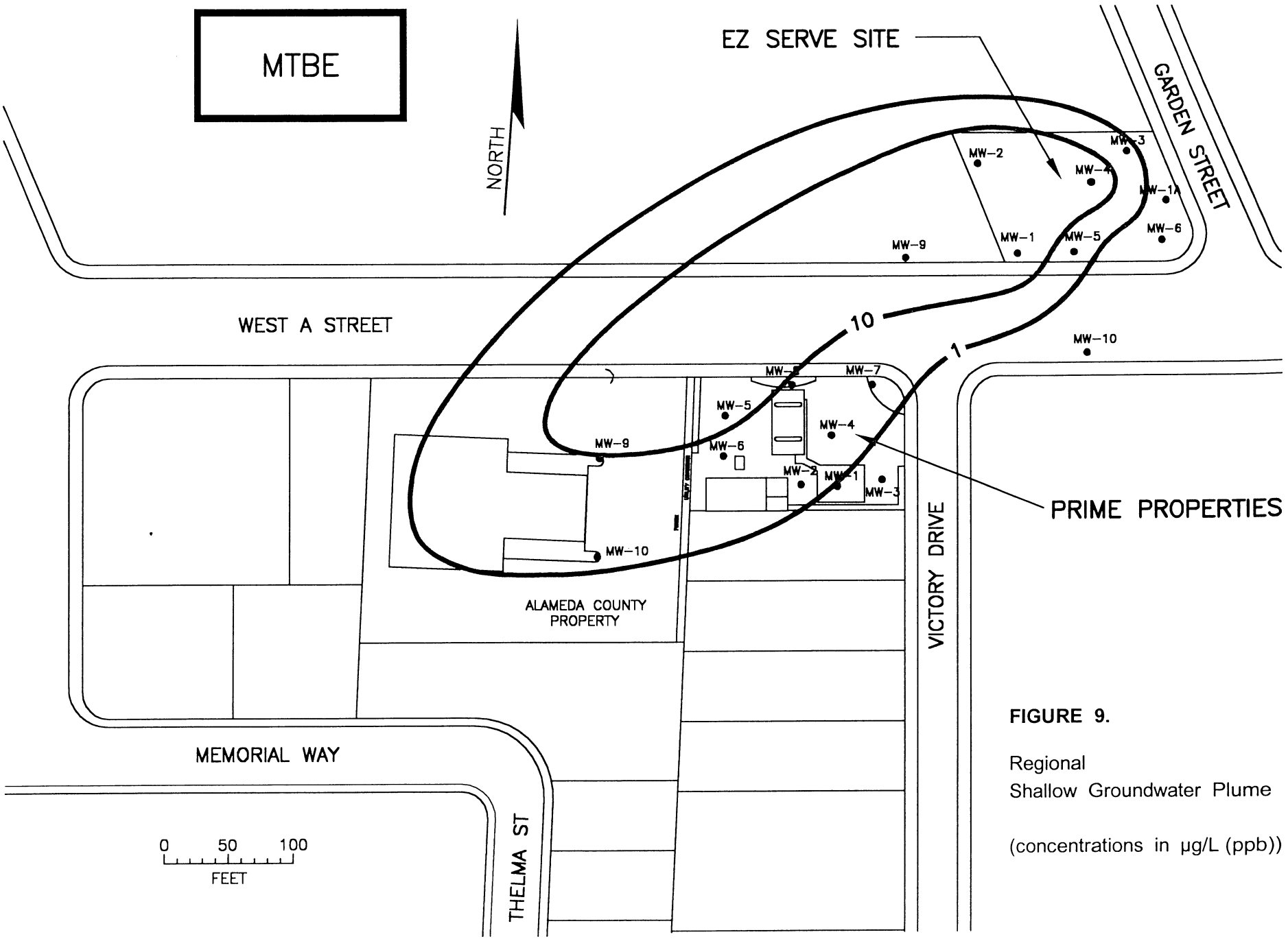

FIGURE 9.

Regional
Shallow Groundwater Plume

(concentrations in µg/L (ppb))