The Source Group, Inc.

April 6, 2005

Mr. Jim C. Schuck
San Diego County Department of Environmental Health
Site Assessment and Mitigation Program
P. O. Box 129261
San Diego, CA 92112-9261

Subject: **Report of Groundwater Monitoring & Sampling and Groundwater Chemical Data Evaluation**
Fourth Quarter 2004
Sanesco Oil, LLC
1161 East Valley Parkway
Escondido, CA
H03480-002

Dear Mr. Schuck:

The Source Group, Inc. (SGI) was tasked with performing groundwater monitoring and sampling and an evaluation of current and past groundwater conditions at the former Sanesco Service Station located at 1161 East Valley Parkway in Escondido, California. This work was performed in response to the County of San Diego Department of Environmental Health (DEH) and the San Diego Regional Water Quality Control Board requirements that additional fieldwork and further documentation of environmental conditions was necessary before the former Sanesco Oil site could be considered for closure. In a letter dated April 25, 2003 (Attachment A), the DEH requested the following actions:

- Monitor nine on- and off-site groundwater wells,
- Provide time versus concentration graphs with calculated R-values for MTBE,
- Document the anticipated or likely beneficial uses of the water resources in the vicinity of the property, and
- Provide an estimate of the time required for the hydrocarbon contamination in groundwater to degrade to below water-quality objectives for municipal uses.

The Source Group, Inc. (SGI), has completed the assessment and evaluation requested by the DEH. The results are documented in this report.

Groundwater Monitoring

Seven monitoring wells (PB-2, PB-6, W-1, W-2, W-3, W-5, and W-7) were monitored for liquid level, purged, and groundwater samples were collected for analysis on December 21, 2004. Two wells that were sampled as part of the previous sampling event, B-1 and B-2, were not sampled in December due to a lapse in the encroachment permit. The encroachment permit was renewed in January and B-1 and B-2 were purged and sampled; groundwater level data was collected from all wells during the February 2005 monitoring and sampling event. Monitoring was conducted by Wayne Perry, Inc., of Buena Park, California. The samples were analyzed by American Analytics, a California-state-certified laboratory in Chatsworth, California.

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Each sample was analyzed for total petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and oxygenates (including methyl tertiary-butyl ether [MTBE] and tertiary-butyl alcohol [TBA]) in accordance with Environmental Protection Agency (EPA) Method 8260B. Groundwater gauging data and analytical results are summarized in Table 1. Field data sheets and the laboratory report are provided as Attachments B and C, respectively.

The depth-to-water (measured from the top of each well casing) when measured in December 2004 ranged from 11.52 feet in PB-6 to 13.40 feet in W-5. Depth-to-water when measured in February 2005 ranged from 9.30 feet in B-2 to 11.88 feet in W-5. The approximately 1.8 feet decrease in groundwater levels between the two events can be attributed to the abnormally large rainfall experienced in the intervening weeks. No measurable free product was detected in any well during either monitoring event.

February 2005 groundwater elevations ranged from 749.19 feet above mean sea level (MSL) in B-1 to 750.57 feet MSL in PB-2. Based upon the gauging data, there is a westward (northwest to southwest) groundwater gradient beneath the site at approximately 0.001 foot per foot (0.11 percent). Northwest of the site, the gradient is toward the northwest at approximately 0.005 foot per foot (0.50 percent). This gradient is less than the nearly 1.5% gradient calculated during the previous September 2003 sampling event. Groundwater contours and gradient are shown on Figures 2 and 3 for the December 2004 and February 2005 gauging events. The northwesterly gradient is consistent with earlier monitoring data.

Concentrations of TPH-G, benzene, MTBE, and TBA are shown on Figure 4. TPH-G was reported in three wells (4,300 µg/L in W-1, 470 µg/L in W-3, and 250 µg/L in W-5). Benzene was reported in W-1 (120 µg/L) and W-7 (1.1 µg/L); note that the benzene concentration in W-7 represents a three orders of magnitude decrease). MTBE was reported in PB-2 (2.4 µg/L), PB-6 (2.7 µg/L), and W-1 (30 µg/L). TBA was reported in W-3 (130 µg/L), and W-7 (33 µg/L); note again that the TBA concentration in W-7 represents a nearly 3 order of magnitude decrease in concentration. Monitoring Well W-1 contained the highest reported concentrations of benzene and TPH. In the September 2003 sampling event, monitoring well W-7 contained the highest reported concentrations of benzene, MTBE, and TBA.

Time versus Concentration Graphs

Laboratory analytical data was taken from Table 1, Current and Historic Groundwater Levels and Chemical Analysis Results. Data from wells W-1, W-3, and W-7 was used to construct a series of graphs presenting TPH for gasoline, benzene, and MTBE concentrations in parts per billion (ppb). Additional graphs were developed to illustrate trends in selected, individual chemical constituents on a well-by-well basis. Graphs are included in Appendix D.

W-1 Concentration Graphs

Monitoring well W-1 is located at the northwest corner and adjacent to the former underground storage tanks (see Figure 2). Chart 1 was developed to show the concentration of TPH-G, benzene, and MTBE between the first sampling event in August 1988 and the most recent December 2004. MTBE, nor any of the other oxygenates, was not added to the site analytical program until 1996. Further, from 1992 thru 1999 this well was not sampled due to free product, which ranged in measured thickness from a sheen to 0.35 feet. TPH concentrations for W-1 were 6,000 µg/L when sampled in 1991, were as high was 10,000 µg/L after free product left the well in 2001, and reduced to 1,000 µg/L in the September 2003 event. The December 2004

sampling event showed that the TPH level had increased to 4,000 µg/L. The MTBE concentration was 30 µg/L, similar to the 34 µg/L when the well was sampled in June 2001 and lower than the 110 µg/L detected in September 2003. Similarly, the benzene concentration detected in the December 2004 event of 120 µg/L was consistent with the 100 µg/L reported in September 2003.

Due to the erratic TPH concentrations, and limited MTBE data set (only three data points) establishing trend lines or calculating linear regression "r" values is not practical. Additional data would be required to make meaningful estimations or evaluations of data trends in this well. However, the thin sheen, and most recent low concentrations of MTBE, benzene, and TPHg suggest that natural degradation is continuing to result in lowered TPH constituents in this well.

W-3 Concentration Graphs

Monitoring well W-3 is located at the northwest corner of the site, approximately 65 feet downgradient of the former underground storage tanks. As this well is located at the most downgradient point on the site, and downgradient from the former USTs, this well makes an ideal sentry well to monitor groundwater migrating off of the site.

A graph was developed to illustrate the concentrations of TPHg, MTBE, and benzene in groundwater samples collected from 1988 through the December 2004 sampling event (see Chart 2). To more clearly illustrate the changes in TPHg concentrations in this well, a separate graph showing TPHg changes between 1988 and 2004 was generated. A trend line was calculated and added to the graph to demonstrate a decreasing trend in the TPHg concentrations in this well (Chart 3a). The trend line had a calculated "R^2" of 0.2633 and an "R" value of 0.51, indicating a moderate linear correlation of the data (note that using a logarithmic trend line provides a better fit to the data, more closely matching the high initial TPH concentration in the well and initial rapid decrease in TPH concentration, followed by slower TPH concentrations decreases, but with a continuing downward trend – see Chart 3b). Decreasing TPH concentrations in this well provide a good indication that past remedial measures as well as ongoing natural processes (natural attenuation) are effectively reducing the residual concentrations of TPHg and related compounds originating in soil and groundwater impacted by the former USTs.

MTBE data from W-3, collected from February 1998 to December 2004, were also graphed and used to evaluate the trend in MTBE concentrations in this well (Chart 4). Due to a limited data set, only MTBE data from the past eight sampling events (between July 1996 and December 2004) were used to develop the graph. The MTBE data suggests that a release of fuel containing MTBE reached W-3 between September 1996 and February 1998. MTBE was persistent in W-3 until March 2000, thereafter the concentrations show a rapid decrease. MTBE was not detected in W-3 in the December 2004 sampling event. The downward trend in MTBE concentrations indicates that natural attenuation is effectively reducing the concentration of MTBE at the site.

W-7 Concentration Graphs

Monitoring well W-7 is located at the north central portion of the site, adjacent to the existing underground storage tanks, and approximately 50 feet downgradient of the former underground storage tanks.

A graph was developed to illustrate the concentrations of TPHg, MTBE, and benzene in groundwater samples collected from 1991 through the December 2004 sampling event (see Chart 5). TPHg concentrations have been erratic over the past 10 years, with concentrations varying between non-detect and concentrations in excess of 1,000 µg/L. Recently, TPHg has not been detected in the well. Chart 5 shows that between 1991 and 1999, benzene concentrations remained low, in the 5 to 50 µg/l range. However, in March 2000, the benzene concentrations began to trend upward, with a spike to over 1,000 µg/l detected in the September 2003 sampling event. Benzene was not detected when W-3 was sampled in December 2004.

TBA was added to the list of analytes in June of 2001. Therefore, only limited data is available for this constituent. However, as shown on Table 1, the TBA concentration was 2,700 µg/l in 2001, increased to 20,000 µg/l in September 2003, and decreased to 33 µg/L in December 2004. The rapid increase and decrease in TBA, coupled with the recently observed spike in benzene concentrations in this same well, suggests the possibility of a recent leak of TBA-containing fuel at the site. Alternatively, the TBA may represent the degradation product of an older release of MTBE containing fuel. The peak in TBA concentration occurred approximately 3 years after the MTBE concentration peak.

Estimate for Natural Degradation of Hydrocarbons

Although the erratic nature of the site groundwater analytical data makes statistical evaluation difficult, general interpretations can be made. It is clear that the source that caused the release of the hydrocarbons to the subsurface is no longer active and that past remedial measures have resulted in the improvement of the on- and off-site groundwater quality (both lower dissolved concentrations and the absence of floating product).

The trendlines developed for the groundwater quality data, both linear and logarithmic, can be used as evidence of geochemical and biologic processes at work that will ultimately lead to the elimination of the residual hydrocarbons present in the subsurface at the site. For example, the trendlines in Charts 3a and 3b clearly show the trend towards the elimination of detectable concentrations of TPHg in on-site monitoring well MW-3.

Time estimates as to when MCLs (maximum contaminant level; for benzene of 0.5 µg/L) will reached can also be made using linear interpolations of peak concentration data. For example, using the peak benzene concentration data observed in on site monitoring MW-1, it is estimated that through natural degradation, the benzene MCL will be reached in another 10 to 20 years. The higher residual concentrations of TPHg, benzene, and MTBE in on-site well W-7 may require as much as an additional 30 years for natural processes to reach MCLs.

Groundwater Elevation Chart

Graphs of groundwater elevation variation with time were generated for wells W-1, W-3, and W-7. These graphs were developed to allow an evaluation to be made between hydrocarbon concentrations and groundwater elevation. Charts 6 through 8 provide elevation data for wells W-1, W-3, and W-7. The three graphs show an overall increasing trend of groundwater elevation, with periodic short-lived fluctuations in site groundwater levels. Attempts were made to correlate water elevations and the presence of floating product and/or hydrocarbon concentrations. However, no apparent trends or relations could be discerned. The effects of the abnormally high rainfall that occurred in the last months of 2004 and in January 2005 are reflected in the nearly 2 feet increase in water elevations across the site.

Anticipated or Likely Beneficial Uses of Groundwater

Research of current and potential beneficial uses of groundwater and receptor survey was performed in order to determine if groundwater impacted by the former Sanesco Oil Station could potentially impact off-site aquifer resources. Below is a description of the investigations and findings.

Background and Previous Work

The following is a summary of information found in reports by NMWW (2001), W. W. Irwin (1996) and Applied Consultants (1999) for other nearby properties, and from the United States Geological Survey (USGS) 1:100,000 Topographic Map of Oceanside, California (1982).

This site was a former Mobil-branded service station. In May 1987, three 10,000-gallon underground storage tanks were removed. The site was subsequently leased to the Circle K Corporation. Circle K installed new USTs at the site in 1988. ConocoPhillips Corporation currently operates the USTs.

The site lies within the Southern California Batholith which is composed of Mesozoic granite, quartz monzonite, granodiorite, and quartz diorite. The Elsinore fault lies approximately 18 miles northeast of the site and the Temescal Fault lies approximately 15 miles east of the site. The Pacific Ocean is about 13 miles south of the site. Lake Hodges, a reservoir formed behind a dam in the San Dieguito River, is approximately 3.7 miles south of the site. The site is about 1/5 mile southeast of Escondido Creek. Bernardo Mountain is approximately 3.7 miles south of the site.

The site is located within the Escondido Creek Watershed and within the Lake Dixon Surface Water Hydrologic Unit Basin. Site elevation is approximately 760 feet above mean sea level (MSL). Topography in the immediate vicinity of the site is generally flat. Local sediments are of alluvial origin and consist of clays, silts, sands and gravels. The study area is underlain at a shallow depth by undifferentiated granitic rocks of the Southern California Batholith. Locally groundwater is encountered in lenses and is typically dependent on bedrock topography and fracturing.

Groundwater beneath the study area belongs to the Escondido Subunit of the Carlsbad Ground Water Hydrologic Unit. The main drainage for the Escondido Subunit is Escondido Creek, which flows southwest from Lake Wohlford to Lake Hodges. The regional groundwater gradient is to the southwest, toward Lake Hodges.

Existing designated beneficial uses of the groundwater are municipal, agricultural and industrial. According to J. T. Alton (1985), groundwater within the City of Escondido is of poor quality due to high levels of nitrates and groundwater is not used anywhere in the City of Escondido; the entire water supply is imported. However, Applied Consultants (1999) indicated that groundwater in the vicinity of the site was considered beneficial for municipal, agricultural and industrial use. NMWW (2001) noted in the assessment of a parcel located less than two miles west of the site that the parcel (also located within the Escondido Hydrogologic Subunit) was in a sensitive aquifer area. Therefore, it is assumed that groundwater beneath the site is considered beneficial.

Water Quality Control Plan Review
SGI performed an updated review of current and planned uses of groundwater in the Escondido area. This work included a review of the Water Quality Control Plan for the San Diego Basin (9), interviews with city personnel, and review of other published data.

Based on the City of Escondido official website, the City of Escondido has multiple sources for its water. Local water originates from the watershed and well fields located near Lake Henshaw (approximately 20 miles to the northeast of the subject site). The water is transferred to Lake Wohlford (approximately 5 miles to the northeast of the subject site) via an open canal. Additional water is purchased from the Colorado River and from northern California via the State Water Project through the Metropolitan Water District and San Diego County Water Authority. The additional water is stored in Dixon Lake, which is located approximately 2.5 miles northeast of the subject site.

Interviews
On September 9, 2003 a phone interview was conducted with Mr. Paul Nichols of the San Diego County Health Department. He stated that the aquifers in and around Escondido are classified as beneficial by the Heath Department due to the fact that they still allow the installation of drinking water wells. In December 2004, SGI contacted Mr. Richard Walker with the City of Escondido. Mr. Walker confirmed that the City obtains most of its water from Lake Henshaw, which is located approximately 20 miles northeast of Escondido, and that well fields are used to supply some of the water to Lake Henshaw. However, there are no current or planned groundwater water production wells in the vicinity of the subject property.

Field Reconnaissance
On October 30, 2003 a SGI geologist inspected the surrounding area and down gradient of the subject property. During this inspection the geologist looked for evidence of undocumented wells (either flush mounted or with above ground completions) or other points where exposure to groundwater impacted by operations at the former Sanesco Oil site could be expected. This included inspecting and documenting the condition of Escondido Creek which lies approximately 500 mile to the northeast and down gradient of the site. Inspection of the creek showed that the channel was lined with concrete and that the concrete was in fair to good condition with no major cracks. Although a minor amount of water was floating in the creek, there was no evidence that groundwater was seeping into the channel via cracks or expansion joints.

Discussion and Conclusions
After reviewing the TPH-G, benzene and MTBE concentration data in graphical form, it is apparent that a decrease in TPH constituents associated with fuel releases from the previous underground storage tanks is occurring, and that past remedial measures as well as on-going natural degradation has resulted and will continue to result in continued decrease in dissolved-phase concentrations of TPHg. MTBE, and benzene. In consideration of the following facts, closure of this site is warranted:

- The site is an operating retail motor fuel facility operated by ConocoPhillips; gasoline dispensed at the facility no longer contains MTBE.
- Remedial measures have been implemented pursuant to approved corrective action plans. The remedial activities are discussed in reports previously submitted to DEH, including an Amendment to Corrective Action Plan prepared by IT Group dated May 4, 2001. Free product has been removed to the extent practicable.

- IT Corporation previously indicated that there was less than 750 pounds of fuel hydrocarbons remaining in the soil (ref. IT Group report dated May 4, 2001).
- Residual gasoline constituents in groundwater are stable and decreasing in concentration.
- The direction of groundwater flow has been consistent to the northwest over time.
- The residual contamination does not pose a threat to human health (i.e., there are no exposure pathways).
- There is no known current or planned use of the groundwater within the vicinity of the site.
- The residual contamination does not pose a threat to any known beneficial groundwater resource or surface water; and
- There is no planned use of the impacted groundwater during the 20 to 50 years it will take to degrade to MCLs.

It is recommended that no further work at this site be required and that closure status be granted via issuance of a no further action letter by your office. Upon receipt of closure status the groundwater monitoring wells will be abandoned by removal, per SD DEH requirements.

SGI appreciates the opportunity to be of continued service. Please call if you have any questions or need any additional information.

Sincerely,
The Source Group, Inc.

Neil F. Irish, R.G.
Principal Geologist

REGISTERED GEOLOGIST
NEIL F. IRISH
No. 5484
Exp. 7/06
STATE OF CALIFORNIA

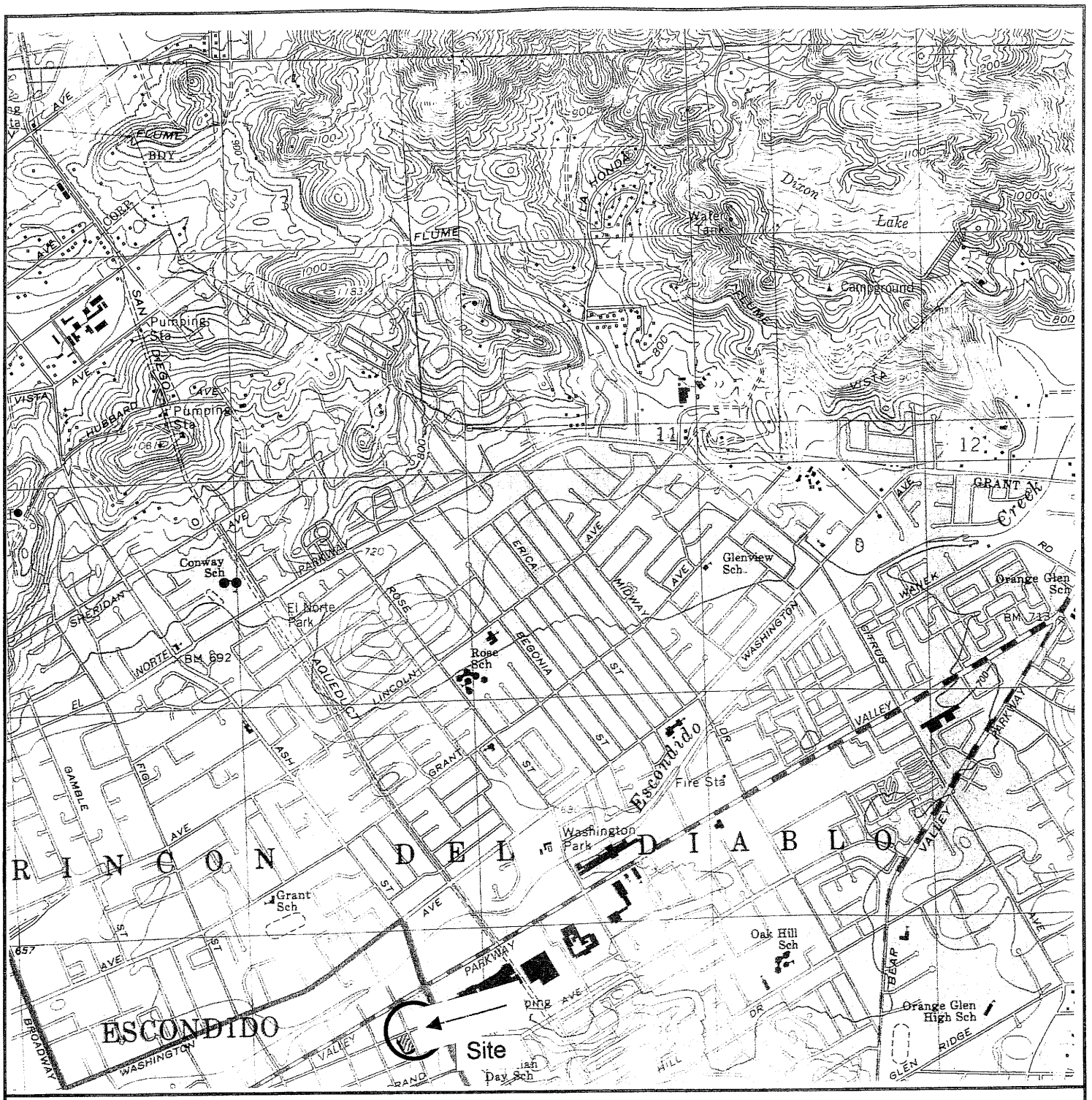
C: Mark Gilmartin, The Law Offices of Mark B. Gilmartin
Mr. Robert Bills, Sanesco Oil Company

Enclosures:

Table 1:	Current and Historic Groundwater Levels and Chemical Analysis Results
Figure 1:	Site Location Map
Figure 2:	Groundwater Contour Map, December 21, 2004
Figure 3:	Groundwater Contour Map, February 3, 2005
Figure 4:	Groundwater Hydrocarbon Concentration Map, December 21, 2004

Attachments:

Attachment A: DEH Letter
Attachment B: Field Data Sheets
Attachment C: Laboratory Report and Chain of Custody
Attachment D: Time vs. Concentration Charts & Groundwater Elevation Trends



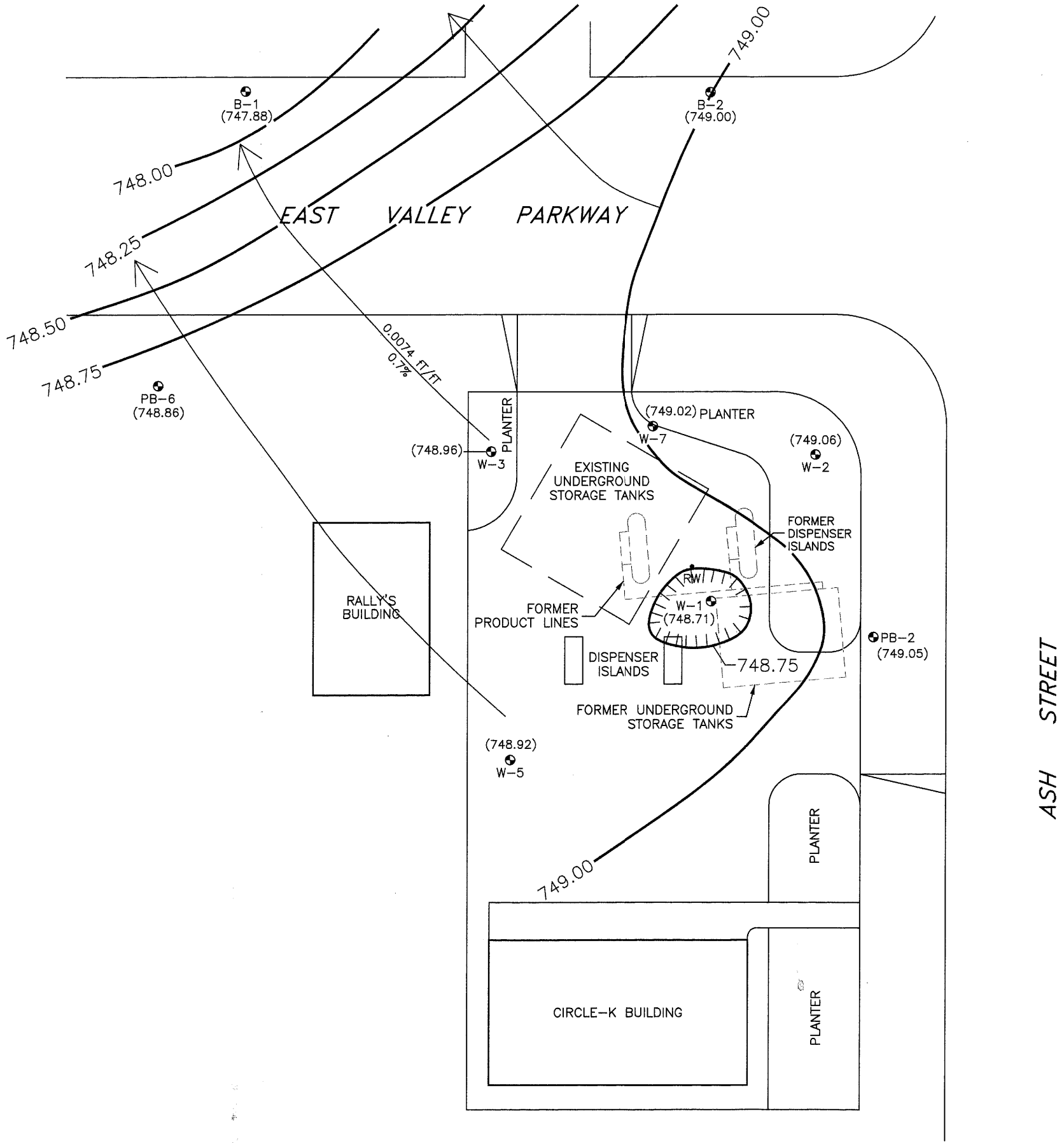
SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

N

The Source Group, Inc.	FILE NAME: SO-SL DATE: 11/6/2003 SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAP ESCONDIDO, CA 1968, 1975 Rev.	SITE LOCATION MAP FORMER SANESCO OIL STATION 1161 EAST VALLEY PARKWAY ESCONDIDO, CALIFORNIA	FIGURE 1



LEGEND

W-5	GROUNDWATER MONITORING WELL
RW	RECOVERY WELL
(749.00)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
749.00 ——	LINE OF EQUAL GROUNDWATER ELEVATION MAJOR CONTOUR INTERVAL = 0.20 FOOT MINOR CONTOUR (DASHED) INCLUDE FOR DETAIL
0.0074 ft/ft 0.7%	GROUNDWATER GRADIENT DIRECTION WITH GRADIENT IN FEET PER FOOT. (ft/ft) AND PERCENT

0 30 60

APPROXIMATE SCALE IN FEET

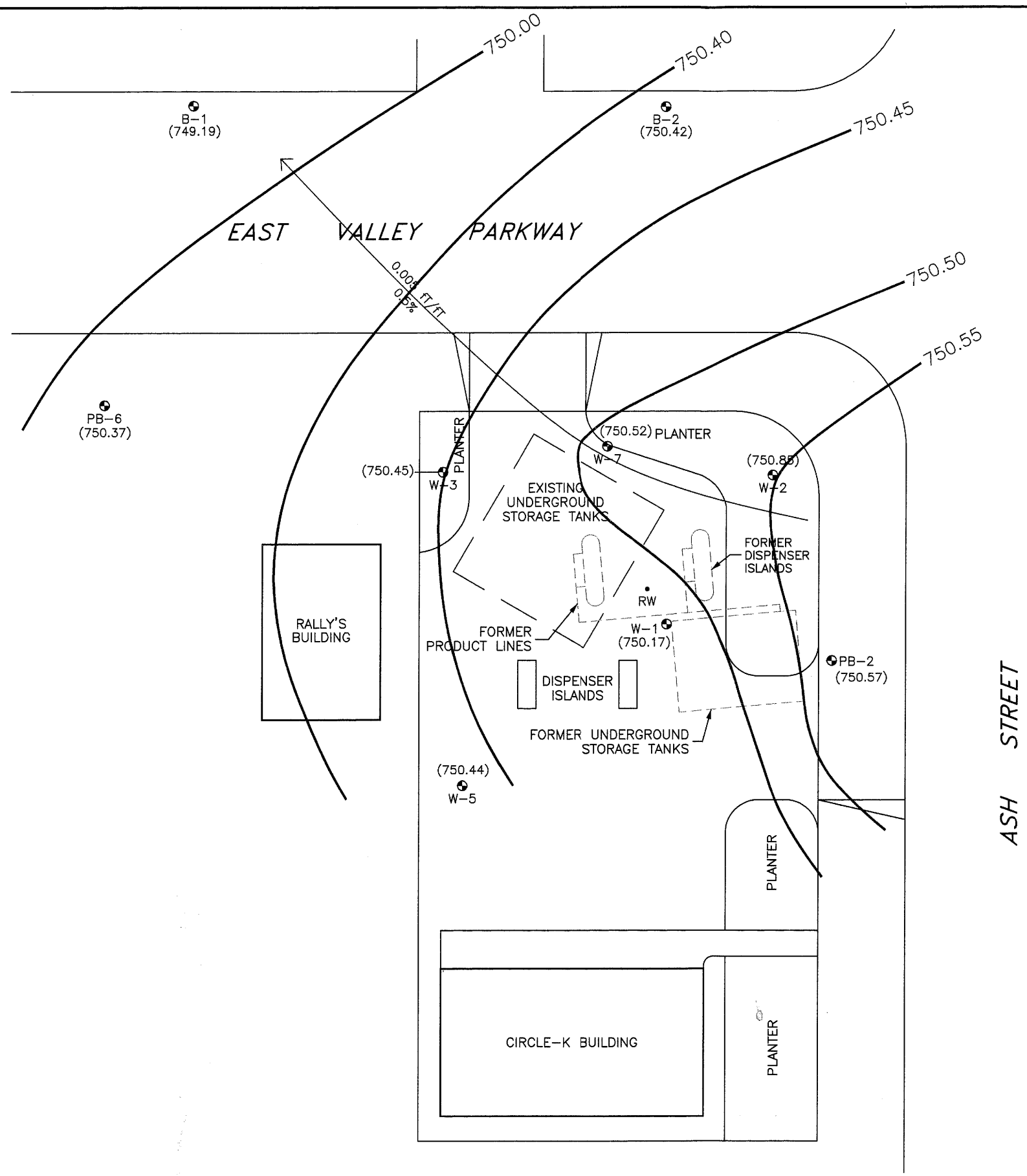
DATE:	FILE NAME:	SOURCE:
11/6/2003	SO-ST.DWG	

GROUNDWATER GRADIENT MAP
DECEMBER 2004

FORMER SANESCO OIL STATION
1161 EASTY VALLEY PARKWAY
ESCONDIDO, CALIFORNIA

The Source Group, Inc.

FIGURE
2



LEGEND

W-5	GROUNDWATER MONITORING WELL
RW	RECOVERY WELL
(750.57)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
750.55 ——	LINE OF EQUAL GROUNDWATER ELEVATION MAJOR CONTOUR INTERVAL = 0.20 FOOT MINOR CONTOUR (DASHED) INCLUDE FOR DETAIL
0.005 ft/ft 0.5%	GROUNDWATER GRADIENT DIRECTION WITH GRADIENT IN FEET PER FOOT. (ft/ft) AND PERCENT

0 30 60

APPROXIMATE SCALE IN FEET

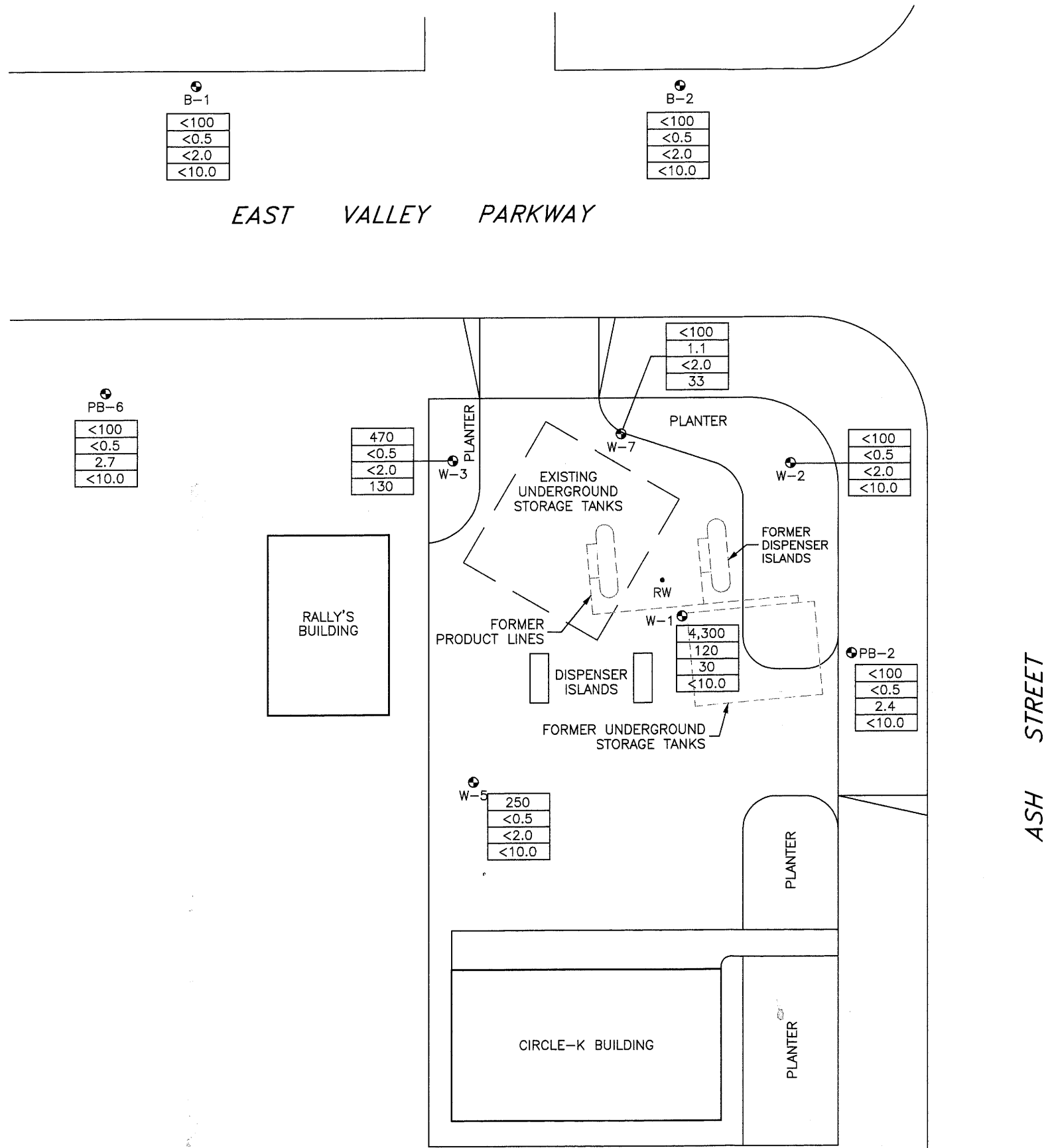
DATE:	FILE NAME:	SOURCE:
11/6/2003	SO-ST.DWG	

GROUNDWATER GRADIENT MAP
FEBRUARY 2005

FORMER SANESCO OIL STATION
1161 EASTY VALLEY PARKWAY
ESCONDIDO, CALIFORNIA

The Source Group, Inc.

FIGURE
3



LEGEND

W-5	GROUNDWATER MONITORING WELL
RW	RECOVERY WELL
4,300	TPH-G CONCENTRATION IN ug/L
120	BENZENE CONCENTRATION IN ug/L
30	MTBE CONCENTRATION IN ug/L
<10	TBA CONCENTRATION IN ug/L
<0.5	NOT DETECTED ABOVE THE INDICATED METHOD REPORTING LIMIT
TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERTIARY-BUTYL ETHER
TBA	TERTIARY-BUTYL ALCOHOL
ug/L	MICROGRAMS PER LITER
	ALL VALUES IN ug/L
<	INDICATES RESULT BELOW METHOD DETECTION LIMIT SHOWN

NOTE:

GROUNDWATER SAMPLES COLLECTED 12/21/04 EXCEPT WELL B-1 AND B-2 WHICH WERE SAMPLED ON 2/3/05.

0 30 60

APPROXIMATE SCALE IN FEET

DATE:	FILE NAME:	SOURCE:
11/6/2003	SO-ST.DWG	

HYDROCARBON CONCENTRATION MAP

FORMER SANESCO OIL STATION
1161 EASTY VALLEY PARKWAY
ESCONDIDO, CALIFORNIA

The Source Group, Inc.

FIGURE
4

TABLE

Table 1
Current and Historic Groundwater Levels and Chemical Analysis Results
Former Sanesco Oil Station
1161 E. Valley Parkway Escondido, CA

Well No. & Elevation (feet)*	Date	Depth to Groundwater (feet)	Groundwater Elevation** (feet)*	Free Product Thickness (feet)	TPH-g [1] µg/l (ppb)	TPH-d [2] µg/L (ppb)	Benzene [3] µg/l (ppb)	Toulene [3] µg/l (ppb)	Ethyl-benzene [3] µg/l (ppb)	Total Xylenes [3] µg/l (ppb)	MTBE [3] µg/l (ppb)	TBA [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)
W-1	1/27/1988	--	--	--	15,000	--	2,300	--	--	--	--	--	--	--	--
	8/29/1991	13.67	747.75	--	6000	--	400	--	--	--	--	--	--	--	--
761.42	9/24/1992	15.00	746.42	0.25	--	--	--	--	--	--	--	--	--	--	--
	3/31/1993	11.35	750.26	0.25	--	--	--	--	--	--	--	--	--	--	--
	12/28/1993	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--
	7/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/10/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	14.10	747.32	0.35	--	--	--	--	--	--	--	--	--	--	--
	9/13/1996	14.36	747.06	0.31	--	--	--	--	--	--	--	--	--	--	--
	2/9/1998	11.40	750.02	Sheen	--	--	--	--	--	--	--	--	--	--	--
	7/8/1999	12.98	748.44	Sheen	--	--	--	--	--	--	--	--	--	--	--
	3/27/2000	12.90	748.52	Trace	--	--	--	--	--	--	--	--	--	--	--
	6/8/2001	12.80	748.62	Trace	10,000	--	1000	35	220	ND	34	ND	ND	ND	ND
	09/02/03	12.68	748.74	--	1,000	--	100	17	63	13.9	110	<10	<2	<2	<2
	12/21/2004	12.71	748.71	--	4300	--	120	13	55	15.9	30	<10	<2	<2	<2
	2/3/2005	11.25	750.17	--	--	--	--	--	--	--	--	--	--	--	--
W-2	1/27/1988	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/7/1989	14.38	747.97	--	6	--	ND	--	--	--	--	--	--	--	--
	8/29/1991	14.60	747.75	--	ND	--	ND	--	--	--	--	--	--	--	--
762.35	3/31/1993	12.24	750.11	--	ND	--	0.40	--	--	--	--	--	--	--	--
	12/28/1993	14.27	748.08	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/1/1994	14.09	748.26	--	--	--	ND	--	--	--	--	--	--	--	--
	1/10/1995	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	2/5/1996	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/31/1996	14.74	747.61	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	9/13/1996	15.02	747.33	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/1998	12.33	750.02	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	7/8/1999	13.58	748.77	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	3/27/2000	13.49	748.86	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/2001	13.38	748.97	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/02/03	13.24	749.11	--	<100	--	<0.5	<0.5	<0.5	<1	<2	97	<2	<2	<2
	12/21/2004	13.29	749.06	--	<100		<0.5	<0.5	<0.5	<1	<2	<10	<2	<2	<2
	2/3/2005	11.80	750.55	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Current and Historic Groundwater Levels and Chemical Analysis Results
Former Sanesco Oil Station
1161 E. Valley Parkway Escondido, CA

Well No. & Elevation (feet)*	Date	Depth to Groundwater (feet)	Groundwater Elevation** (feet)*	Free Product Thickness (feet)	TPH-g [1] µg/l (ppb)	TPH-d [2] µg/L (ppb)	Benzene [3] µg/l (ppb)	Toulene [3] µg/l (ppb)	Ethyl-benzene [3] µg/l (ppb)	Total Xylenes [3] µg/l (ppb)	MTBE [3] µg/l (ppb)	TBA [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)
W-3	1/27/1988	--	--	--	20,000	--	2,300	--	--	--	--	--	--	--	--
	7/7/1989	14.01	747.93	0.01	--	--	--	--	--	--	--	--	--	--	--
	8/29/1991	14.24	747.70	--	3700	--	32	--	--	--	--	--	--	--	--
761.94	9/24/1992	16.10	745.84	--	100	--	ND	--	--	--	--	--	--	--	--
	3/31/1993	11.95	749.99	--	2600	--	19	--	--	--	--	--	--	--	--
	12/28/1993	13.91	748.03	--	2209	--	20.5	--	--	--	--	--	--	--	--
	7/1/1994	13.76	748.18	--	1795	--	9.4	--	--	--	--	--	--	--	--
	7/31/1996	14.36	747.58	--	500	--	3.0	1.1	7.1	0.90	34	--	--	--	--
	9/13/1996	14.64	747.30	--	50	--	--	--	--	--	<2	--	--	--	--
	2/9/1998	11.85	750.09	--	50	--	1.7	ND	12	ND	1100	--	--	--	--
	7/8/1999	13.21	748.73	--	50	--	ND	ND	ND	ND	670	--	--	--	--
	3/27/2000	13.15	748.79	--	50	--	ND	ND	ND	ND	1400	--	--	--	--
	6/8/2001	13.02	748.92	--	680	ND	ND	ND	2.4	ND	200	1500	ND	ND	ND
	09/02/03	12.92	749.02	--	540	--	<0.5	<0.5	<0.5	<1	<2	95	<2	<2	<2
	12/21/2004	12.98	748.96	Trace	470	--	<0.5	<0.5	<0.5	<1	<2	130	<2	<2	<2
	2/3/2005	11.49	750.45	--	--	--	--	--	--	--	--	--	--	--	--
W-5	1/27/1988	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
	7/7/1989	14.39	747.93	--	9	--	ND	--	--	--	--	--	--	--	--
	8/29/1991	14.61	747.71	--	ND	--	ND	--	--	--	--	--	--	--	--
762.32	9/24/1992	15.80	746.52	--	ND	--	ND	--	--	--	--	--	--	--	--
	3/31/1993	12.29	750.03	--	ND	--	1.3	--	--	--	--	--	--	--	--
	12/28/1993	14.26	748.06	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/1/1994	14.14	748.18	--	--	--	ND	--	--	--	--	--	--	--	--
	1/10/1995	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	2/5/1996	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/31/1996	14.72	747.60	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	9/13/1996	15.04	747.28	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/1998	12.27	750.05	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	7/8/1999	13.60	748.72	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	3/27/2000	13.54	748.78	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/2001	13.44	748.88	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/02/03	13.31	749.01	--	<100	--	<0.5	<0.5	<0.5	<1	<2	<10	<2	<2	<2
	12/21/2004	13.40	748.92	--	250	--	<0.5	<0.5	<0.5	<1	<2	<10	<2	<2	<2
	2/3/2005	11.88	750.44	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Current and Historic Groundwater Levels and Chemical Analysis Results
Former Sanesco Oil Station
1161 E. Valley Parkway Escondido, CA

Well No. & Elevation (feet)*	Date	Depth to Groundwater (feet)	Groundwater Elevation** (feet)*	Free Product Thickness (feet)	TPH-g [1] µg/l (ppb)	TPH-d [2] µg/L (ppb)	Benzene [3] µg/l (ppb)	Toulene [3] µg/l (ppb)	Ethyl-benzene [3] µg/l (ppb)	Total Xylenes [3] µg/l (ppb)	MTBE [3] µg/l (ppb)	TBA [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)
W-7	8/29/1991	12.61	749.21	--	--	--	--	--	--	--	--	--	--	--	--
761.82	9/24/1992	15.30	746.52	--	ND	--	0.60	--	--	--	--	--	--	--	--
	3/31/1993	11.79	750.03	--	1500	--	81	--	--	--	--	--	--	--	--
	12/28/1993	13.78	748.04	--	ND	--	2.5	--	--	--	--	--	--	--	--
	7/1/1994	13.59	748.23	--	--	--	7.0	--	--	--	--	--	--	--	--
	1/10/1995	--	--	--	659	--	44	--	--	--	--	--	--	--	--
	2/5/1996	--	--	--	ND	--	1.9	--	--	--	--	--	--	--	--
	7/31/1996	14.21	747.61	--	ND	--	1.0	ND	ND	ND	5.5	--	--	--	--
	9/13/1996	14.51	747.31	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/1998	11.77	750.05	--	ND	--	16	ND	3.2	ND	270	--	--	--	--
	7/8/1999	13.07	748.75	--	ND	--	3.2	ND	ND	ND	1600	--	--	--	--
	3/27/2000	13.00	748.82	--	--	--	50	ND	3.7	ND	3600	--	--	--	--
	6/8/2001	12.87	748.95	--	1400	ND	120	1.4	11	ND	33	2700	ND	ND	ND
	09/02/03	11.62	750.2	--	<10000	--	1100	<50	<50	<100	880	20000	<200	<200	<200
	12/21/2004	12.80	749.02	Trace	<100	--	1.1	<0.5	<0.5	<1	<2	33	<2	<2	<2
	2/3/2005	11.30	750.52	--	<100	--	--	--	--	--	--	--	--	--	--
B-1	8/29/1991	12.35	747.54	--	ND	--	ND	--	--	--	--	--	--	--	--
759.89	9/24/1992	16.00	743.89	--	ND	--	ND	--	--	--	--	--	--	--	--
	3/31/1993	11.28	748.61	--	ND	--	ND	--	--	--	--	--	--	--	--
	12/28/1993	12.97	746.92	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/13/1996	13.65	746.24	--	ND	--	ND	ND	ND	ND	1.3	--	--	--	--
	2/9/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/8/1999	12.45	747.44	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	3/27/2000	12.23	747.66	--	--	--	ND	ND	ND	ND	3.3	--	--	--	--
	6/8/2001	12.15	747.74	--	340	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/02/03	12.01	747.88	--	<100	--	<0.5	<0.5	<0.5	<1	<2	<10	<2	<2	<2
	2/3/2005	10.7	749.19	--	<100	--	<0.5	<0.5	<0.5	<1	<2	<10	<2	<2	<2

Table 1
Current and Historic Groundwater Levels and Chemical Analysis Results
Former Sanesco Oil Station
1161 E. Valley Parkway Escondido, CA

Well No. & Elevation (feet)*	Date	Depth to Groundwater (feet)	Groundwater Elevation** (feet)*	Free Product Thickness (feet)	TPH-g [1] µg/l (ppb)	TPH-d [2] µg/L (ppb)	Benzene [3] µg/l (ppb)	Toulene [3] µg/l (ppb)	Ethyl-benzene [3] µg/l (ppb)	Total Xylenes [3] µg/l (ppb)	MTBE [3] µg/l (ppb)	TBA [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)
B-2	8/29/1991	12.07	747.65	--	ND	--	ND	--	--	--	--	--	--	--	--
759.72	9/24/1992	13.60	746.12	--	ND	--	ND	--	--	--	--	--	--	--	--
	3/31/1993	9.97	749.75	--	ND	--	ND	--	--	--	--	--	--	--	--
	12/28/1993	11.74	747.98	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/1/1994	11.55	748.17	--	--	--	ND	--	--	--	--	--	--	--	--
	7/31/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/13/1996	12.50	747.22	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	2/9/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/8/1999	11.04	748.68	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	3/27/2000	11.02	748.70	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/2001	10.88	748.84	--	290	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/02/03	10.72	749.00	--	<100	--	<0.5	<0.5	<0.5	<1	<2	<10	<2	<2	<2
	2/3/2005	9.30	750.42	--	<100	--	<0.5	<0.5	<0.5	<1	<2	<10	<2	<2	<2
PB-2	12/28/1993	14.07	748.10	--	ND	--	ND	--	--	--	--	--	--	--	--
762.17	7/1/1994	13.93	748.24	--	--	--	ND	--	--	--	--	--	--	--	--
	1/10/1995	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	2/5/1996	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	7/31/1996	14.58	747.59	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	9/13/1996	14.84	747.33	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/1998	12.16	750.01	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	7/8/1999	13.55	748.62	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	3/27/2000	13.31	748.86	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/2001	13.21	748.96	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/02/03	13.06	749.11	--	<100	--	<0.5	<0.5	<0.5	<1	21	<10	<2	<2	<2
	12/21/2004	13.12	749.05	--	<100	--	<0.5	<0.5	<0.5	<1	2.4	<10	<2	<2	<2
	2/3/2005	11.60	750.57	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Current and Historic Groundwater Levels and Chemical Analysis Results
Former Sanesco Oil Station
1161 E. Valley Parkway Escondido, CA

Well No. & Elevation (feet)*	Date	Depth to Groundwater (feet)	Groundwater Elevation** (feet)*	Free Product Thickness (feet)	TPH-g [1] µg/l (ppb)	TPH-d [2] µg/L (ppb)	Benzene [3] µg/l (ppb)	Toulene [3] µg/l (ppb)	Ethyl-benzene [3] µg/l (ppb)	Total Xylenes [3] µg/l (ppb)	MTBE [3] µg/l (ppb)	TBA [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)
PB-6	12/28/1993	12.38	748.00	--	ND	--	ND	--	--	--	--	--	--	--	--
760.38	7/1/1994	12.25	748.13	--	--	--	ND	--	--	--	--	--	--	--	--
	1/12/1995	--	--	--	ND	--	ND	--	--	--	--	--	--	--	--
	2/5/1996	--	--	--	ND	--	2.8	--	--	--	--	--	--	--	--
	7/31/1996	13.85	746.53	--	ND	--	ND	ND	ND	ND	1.3	--	--	--	--
	9/13/1996	13.15	747.23	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/1998	10.43	749.95	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
	7/8/1999	11.71	748.67	--	ND	--	ND	ND	ND	ND	14	--	--	--	--
	3/27/2000	11.68	748.70	--	--	--	ND	ND	ND	ND	14	--	--	--	--
	6/8/2001	11.58	748.80	--	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND
	9/02/03	11.45	748.93	--	<100	--	<0.5	<0.5	<0.5	<1	87	160	<2	<2	<2
	12/21/2004	11.52	748.86	--	<100	--	<0.5	<0.5	<0.5	<1	2.7	<10	<2	<2	<2
	2/3/2005	10.01	750.37	--	--	--	--	--	--	--	--	--	--	--	--
RW	9/13/1996	12.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/9/1998	9.42	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/8/1999	10.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/27/2000	10.61	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/2001	10.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/02/03		--	--	--	--	--	--	--	--	--	--	--	--	--
QCTB	9/02/03	NA	NA	NA	<100	--	<0.5	<0.5	<0.5	<1.0	<0.5	--	--	--	--

Notes: [1] Analyzed for Total Petroleum Hydrocarbons as Gasoline by modified EPA method 8015. [2] Analyzed for Total Petroleum Hydrocarbons as Diesel by modified EPA method 8015. [3] Analyzed by EPA method 8020. On 3/27/00 and 6/8/01 [3] analyzed by EPA 5030B/8260B. [4] Analyzed by EPA 8260B. feet* = feet above mean sea level. ** = Groundwater elevation corrected for free product if/when present (gasoline density = 0.75 gm/cc) DTW = Depth to Water; DTP = Depth to Product; PSH = Phase Separated Hydrocarbons; MTBE = Methyl tert=Butyl Ether; DIPE = Di-isopropyl Ether; ETBE = Ethyl tert Butyl Ether; TAME = tert-Amyl Methyl Ether; TBA = tert-Butanol; ppb = parts per billion; -- = Not Measured; ND = Not Detected; NA = Not Applicable; Trace = Non-measurable, continuous thickness of PSH; Sheen = Non-measurable, discontinuous thickness of PSH.

ATTACHMENT A

DHS LETTER

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

April 25, 2003

Mr. Robert Bills
Sanesco Oil Company, LLC
2261 Villa Verde Rd.
Escondido, CA 92029-4335

UNAUTHORIZED RELEASE NO. H03480-002
1161 EAST VALLEY PARKWAY, ESCONDIDO, CA

Dear Mr. Bills:

The County of San Diego Department of Environmental Health (DEH) and the San Diego Regional Water Quality Control Board have reviewed the office files associated with the property referenced above. We have concluded that additional fieldwork and further documentation of environmental conditions is necessary prior to our consideration of this case for "closure". We respectfully request the implementation and reporting of the following actions:

- Monitor the nine (9) groundwater wells.
- Provide time vs. concentration graphs with calculated R-values for MTBE.
- Document with references (i.e. local water district) the anticipated or likely beneficial uses of the water resources in the vicinity of the property.
- Provide an estimate of the time required for the hydrocarbon contamination in groundwater to degrade to below water quality objectives for municipal uses. This time estimate should be supported with technical documentation and/or a discussion applicable to the environmental conditions on the property.

Should you have any questions or concerns, please contact me at (619) 338-2908.

Sincerely,

Jim C. Schuck

JIM C. SCHUCK, Project Manager
Site Assessment and Mitigation Program

JCS:kd

cc: Mr. Mark Gilmartin, Law Offices of Mark B. Gilmartin

WP/H03480-002-403

ATTACHMENT B

FIELD MONITORING FORMS

GROUNDWATER SAMPLING PROCEDURES

Before purging, each well was measured twice for depth of well, depth to water, and phase-separated hydrocarbon thickness. Groundwater depths were measured using an electronic water/hydrocarbon interface probe calibrated to one hundredth of a foot. The interface probe was washed in non-phosphate soap and triple rinsed in distilled water between wells.

Purged groundwater containing dissolved- or phase-separated petroleum hydrocarbons if present was evacuated with an air lift pump or bailer. All purged groundwater was transported by Asbury Environmental to Demmeno-Kerdoon located in the city of Compton for processing.

Prior to sampling, wells were purged of water with a stainless steel or PVC bailer. Fast recharging wells were purged of three casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours or until the well recovered 80 percent of the initial water column height before sampling. Each casing volume of water was field tested for temperature, conductivity, pH, and turbidity. The last casing volume of water was field tested for turbidity. Field measurement data follows this page.

Water samples were obtained using a disposable bailer equipped with a bottom emptying device and placed in laboratory supplied 40 ml VOA vials with acid preservative. Samples were sealed, labeled, and placed on ice to reduce the potential for volatilization. In addition to samples from the wells, a trip blank was prepared to verify the integrity of the sampling and laboratory procedures.

Water samples were transported to American Analytics laboratory following chain-of-custody procedures. Groundwater samples were tested for total petroleum hydrocarbons-gasoline, benzene, toluene, ethyl benzene, xylenes, and oxygenates using EPA Test Method 8260B.

WAYNE PERRY, INC.
WELL GAUGING FORM

Date: 12-21-04 Contractor Project No: 03-996

Station No: _____ Location: 1161 East Valley Pkwy - Ash street - Escondido Page 1 of 1

Contractor: *Wayne Perry, Inc.* Gauged by: Jorge G. Ramirez P.

Well ID	Well Diam.	Gauging Order	Depth to Product	Depth To Water	Depth to Water (Check)	Depth to Well Bottom	Product Thickness	Length of Water Column	Comments
B-1		1							N/A need Traffic Control
B-2		2							N/A need Traffic control
W-2	4"	3	/	13.29	13.29	25.18	/	11.89	
PB-2	4"	4	/	13.12	13.12	25.51	/	12.39	
W-5	4"	5	/	13.40	13.40	33.70	/	20.3	
PB-6	4"	6	/	11.52	11.52	24.57	/	13.05	
W-7	4"	7	/	12.80	12.80	33.15	/	20.35	silt on Bottom
W-3	4"	8	/	12.98	12.98	29.30	/	16.32	
W-1	4"	9	/	12.71	12.71	20.62	/	7.91	

Note: Gauging order shows lowest to highest concentrations based on previous quarter's analytical results.

242 gls Total

ave DTW = 12.83

WellGaugeForm

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No 03-996

Station No _____ Location 1161 E. Valley Pkwy / Ash St. - Escondido Page 1 of 7

Contractor: *Wayne Perry, Inc.* Sampler Jorge G. / Ramiro P.

Well ID: W-2 **Well Diameter:** 4" **Depth-to Water:** 13.29

Gauging Date: 12-21-04 **Purging Method:** Bailer **Depth-to-Bottom:** 25.18

Sampling Date: ↓ **Sampling Method:** Disp. Bailer **Water Column (ft):** 11.89

WELL PURGING:

Calculate volume of water to purge:

11.89 x 1.68 = 19.9 gals

(water column height') * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0.55		
8"	2	0.90		
10"	2	1 34	4	1 68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1 Purge **one borehole** volume and take measurements
2 Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes)
3 Well stabilty is achieved when measurements vary by less than than 10% between intervals
Stop purging and collect sample after well recovers 80% of its static condition
If well does not recover after waiting two hours, collect sample

Purge Start Time: 09:18 **Water Qual. Instrument Used:** OAKTON S# 143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	09:24	09:27				Tree Root in well.
TEMP (°C)	21.8	22.0				Well stability 10%
pH	7.99	7.97				
CONDUCTIVITY	1095	1143				
TURBIDITY	over 200	over 200			40.6	
GALS. REMOVED	19.9	10				Total Gallons Purged: 30

DO **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

REDOX **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

Did Well Dewater? NO Water Storage/Disposal Method Poly No of Drums Used_____

WELL SAMPLING:

Sampling Time 11:57 Recharge Level 13.30

Laboratory: ***American Analytics***

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE____ Oxygenates 8260B ✓ Other_____

Trip Blank ID_____ Duplicate ID_____ Equipment Blank ID_____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed

Put new padlock

Repair/Replacement Needed

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No 03-996

Station No _____ Location 1161 E. Valley Pkwy St - Escondido Ca Page 2 of 7

Contractor: *Wayne Perry, Inc.* Sampler Jorge G. / Ramiro P.

Well ID: PB-2 **Well Diameter:** 4" **Depth-to Water:** 13.12

Gauging Date: 12-26-04 **Purging Method:** Bailer **Depth-to-Bottom:** 25.51

Sampling Date: ↓ **Sampling Method:** Disp. Bailer **Water Column (ft):** 12.39

WELL PURGING:

Calculate volume of water to purge:

12.39 x 1.68 = 20.8 gals

(water column height') * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0.55		
8"	2	0.90		
10"	2	1.34	①	1.68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1 Purge **one borehole** volume and take measurements.
2 Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes)
3. Well stabilty is achieved when measurements vary by less than than 10% between intervals
Stop purging and collect sample after well recovers 80% of its static condition
If well does not recover after waiting two hours, collect sample

Purge Start Time: 09:36 **Water Qual. Instrument Used:** OAKTON S# 143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	09:39					Dry on 1 Borehole.
TEMP (°C)	23.1					
pH	7.94					
CONDUCTIVITY	2.74					
TURBIDITY	over 200				22.9	
GALS. REMOVED	13					Total Gallons Purged: 13

DO **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

REDOX **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

Did Well Dewater? yes Water Storage/Disposal Method poly No of Drums Used_____

WELL SAMPLING:

Sampling Time 12:05 Recharge Level 13.45

Laboratory: ***American Analytics***

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE____ Oxygenates 8260B. Other_____

Trip Blank ID_____ Duplicate ID_____ Equipment Blank ID_____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed

0

Repair/Replacement Needed

0

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No 03.996

Station No.____ Location 1161 E. Valley Pkwy / Ash st - Escondido Page 3 of 7

Contractor: *Wayne Perry, Inc.* Sampler Tony Co / Ramiro R.

Well ID: W-5 **Well Diameter:** 4" **Depth-to Water:** 13.40

Gauging Date: 12.21.04 **Purging Method:** Bailer **Depth-to-Bottom:** 33.70

Sampling Date: ↓ **Sampling Method:** Disp. Bailer **Water Column (ft):** 20.3

WELL PURGING:

Calculate volume of water to purge:

20.3 x 1.68 = 34.1 ____ gals

(water column height) * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0.55		
8"	2	0.90		
10"	2	1.34	4	1.68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1 Purge **one borehole** volume and take measurements
2 Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes)
3 Well stabilty is achieved when measurements vary by less than than 10% between intervals
Stop purging and collect sample after well recovers 80% of its static condition
If well does not recover after waiting two hours, collect sample

Purge Start Time: 09:44 **Water Qual. Instrument Used:** OAKTON S#143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	09:52	09:57				well stability 10%
TEMP (°C)	22.4	23.4				
pH	7.94	7.91				
CONDUCTIVITY	1462	1529				
TURBIDITY	over 200	over 200			14.8	
GALS. REMOVED	34.1	17.05				Total Gallons Purged: 52

DO **Pre-Purge Time**____ **Reading**____ **Post-Recharge Time**____ **Reading**____

REDOX **Pre-Purge Time**____ **Reading**____ **Post-Recharge Time**____ **Reading**____

Did Well Dewater? No Water Storage/Disposal Method poly No of Drums Used____

WELL SAMPLING:

Sampling Time 12:10 Recharge Level 13.37

Laboratory: ***American Analytics***

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE____ Oxygenates ✓ 8260B Other____

Trip Blank ID____ Duplicate ID____ Equipment Blank ID____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed

Repair/Replacement Needed

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No _____

Station No _____ Location 1161 E. Valley Pkwy / Ash St - Escondido Page 4 of 7

Contractor: *Wayne Perry, Inc.* Sampler Jorge G. / Ramiro R.

Well ID: PB-6 **Well Diameter:** 4" **Depth-to Water:** 11.52

Gauging Date: 12-21-04 **Purging Method:** Bailer **Depth-to-Bottom:** 24.57

Sampling Date: ↓ **Sampling Method:** Disp. Bailer **Water Column (ft):** 13.05

WELL PURGING:

Calculate volume of water to purge:

13.05 x 1.68 = 21.9 gals

(water column height') * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0.55		
8"	2	0.90		
10"	2	1.34	4"	1.68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1 Purge **one borehole** volume and take measurements
2 Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes)
3 Well stabilty is achieved when measurements vary by less than than 10% between intervals
Stop purging and collect sample after well recovers 80% of its static condition
If well does not recover after waiting two hours, collect sample

Purge Start Time: 10:05 **Water Qual. Instrument Used:** OAKTON S#143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	10:10	10:13				Well Stability 10%
TEMP (°C)	22.9	23.7				
pH	7.97	7.98				
CONDUCTIVITY	1556	1689				
TURBIDITY	over 200	over 200			21.6	
GALS. REMOVED	21.9	11				Total Gallons Purged: 33

DO **Pre-Purge Time** _____ **Reading** _____ **Post-Recharge Time** _____ **Reading** _____

REDOX **Pre-Purge Time** _____ **Reading** _____ **Post-Recharge Time** _____ **Reading** _____

Did Well Dewater? No Water Storage/Disposal Method Poly No of Drums Used _____

WELL SAMPLING:

Sampling Time 12:18 Recharge Level 12.55

Laboratory: ***American Analytics***

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE ____ Oxygenates ✓ 8260B Other _____

Trip Blank ID _____ Duplicate ID _____ Equipment Blank ID _____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed

Ø

Repair/Replacement Needed

Ø

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No 03-996

Station No _____ Location 1161 East Valley Pkwy / Ash st - Escondido CA Page 5 of 7

Contractor: *Wayne Perry, Inc.* Sampler Jorge Ce / Ramiro P.

Well ID: W-7 Well Diameter: 4" Depth to Water: 12.80

Gauging Date: 12-21-04 Purging Method: Bailer Depth-to-Bottom: 33.15

Sampling Date: ↓ Sampling Method: Disp-Bailer Water Column (ft): 20.35

WELL PURGING:

Calculate volume of water to purge:

20.35 x 1.68 = 34.1 gals

(water column height) * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0.55		
8"	2	0.90		
10"	2	1.34	4	1.68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1 Purge **one borehole** volume and take measurements
2 Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes)
3. Well stability is achieved when measurements vary by less than than 10% between intervals
Stop purging and collect sample after well recovers 80% of its static condition
If well does not recover after waiting two hours, collect sample

Purge Start Time: 10:20 **Water Qual. Instrument Used:** OAKTON S# 143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	10:28	10:31				sheen at Bailing
TEMP (°C)	22.7	23.3				well stability 10%
pH	7.96	7.99				
CONDUCTIVITY	1157	1206				
TURBIDITY	over 200	over 200			19.9	
GALS. REMOVED	34.1	17.05				Total Gallons Purged: 52

DO Pre-Purge Time_____ Reading_____ Post-Recharge Time_____ Reading_____

REDOX Pre-Purge Time_____ Reading_____ Post-Recharge Time_____ Reading_____

Did Well Dewater? No Water Storage/Disposal Method poly No. of Drums Used_____

WELL SAMPLING:

Sampling Time 12:27 Recharge Level 12:87

Laboratory: *American Analytics*

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE____ Oxygenates 8260B ✓ Other_____

Trip Blank ID_____ Duplicate ID_____ Equipment Blank ID_____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water_____

Repair/Replacement Performed

Put locking cap & Lock.

Repair/Replacement Needed

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No 03-996

Station No _____ Location 1161 East Valley Pkwy / Ash St. - Escondido Page 6 of 7

Contractor: *Wayne Perry, Inc.* Sampler Jorge G. / Lourdes R.

Well ID: W-3 **Well Diameter:** 4" **Depth-to Water:** 12.98

Gauging Date: 12-21-04 **Purging Method:** Bailer **Depth-to-Bottom:** 29.30

Sampling Date: ↓ **Sampling Method:** Disp. Bailer **Water Column (ft):** 16.32

WELL PURGING:

Calculate volume of water to purge:

16.32 x 1.68 = 27.4 gals

(water column height) * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0 55		
8"	2	0 90		
10"	2	1 34	4	1.68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1 Purge **one borehole** volume and take measurements
2 Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes)
3. Well stabilty is achieved when measurements vary by less than than 10% between intervals
Stop purging and collect sample after well recovers 80% of its static condition
If well does not recover after waiting two hours, collect sample

Purge Start Time: 10:38 **Water Qual. Instrument Used:** OAKTON S/N 143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	10:43	10:45				well stability 10%
TEMP (°C)	23.5	23.5				steam at Bailing
pH	7.86	7.83				
CONDUCTIVITY	1130	1163				
TURBIDITY	over 200	over 200			46.8	
GALS. REMOVED	27.4	13.7				Total Gallons Purged: 42

DO **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

REDOX **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

Did Well Dewater? no Water Storage/Disposal Method Poly No of Drums Used_____

WELL SAMPLING:

Sampling Time 12:32 Recharge Level 13:00

Laboratory: ***American Analytics***

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE____ Oxygenates 8260B Other_____

Trip Blank ID_____ Duplicate ID_____ Equipment Blank ID_____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed Put New Lock

Repair/Replacement Needed —

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No 03·996

Station No _____ Location 1161 East Valley Pkwy / Ash St. - Escondido Page 7 of 7

Contractor: *Wayne Perry, Inc.* Sampler Jorge Gu / Ramiro B

Well ID: W-1	**Well Diameter:** 4"	**Depth-to Water:** 12·71
Gauging Date: 12·21·04	**Purging Method:** Bailer	**Depth-to-Bottom:** 20·62
Sampling Date: ↓	**Sampling Method:** Disp. Bailer	**Water Column (ft):** 7·91

WELL PURGING:

Calculate volume of water to purge·

7·91 x 1·68 = 13·2 gals

(water column height') * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0 55		
8"	2	0.90		
10"	2	1 34	0	1 68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1 Purge **one borehole** volume and take measurements
2 Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes)
3 Well stabilty is achieved when measurements vary by less than than 10% between intervals
Stop purging and collect sample after well recovers 80% of its static condition
If well does not recover after waiting two hours, collect sample

Purge Start Time: 10:50 **Water Qual. Instrument Used:** OAKTON S# 143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	10:54	10:56				"Sheen at Bailing."
TEMP (°C)	22·6	23·8				
pH	7·81	7·78				
CONDUCTIVITY	1661	1651				
TURBIDITY	over 200	over 200			38·6	
GALS. REMOVED	13·2	6·6				Total Gallons Purged: 20

DO Pre-Purge Time_____ Reading_____ Post-Recharge Time_____ Reading_____

REDOX Pre-Purge Time_____ Reading_____ Post-Recharge Time_____ Reading_____

Did Well Dewater? No Water Storage/Disposal Method poly No. of Drums Used_____

WELL SAMPLING·

Sampling Time 12:37 Recharge Level 12·72

Laboratory· ***American Analytics***

Analyses Requested· TPH-G ✓ BTEX ✓ MTBE____ Oxygenates ✓ 8260B Other_____

Trip Blank ID_____ Duplicate ID_____ Equipment Blank ID_____

WELL INSPECTION·

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed

Ø

Repair/Replacement Needed

Ø

WAYNE PERRY, INC.
WELL GAUGING FORM

Date: 2-3-05 Contractor Project No: 03-996

Station No.: _____ Location: 1161 East Valley Pkwy @ Ash Street Page 1 of 1

Contractor: *Wayne Perry, Inc.* Gauged by: Jorge G. / Ramiro P.

Well ID	Well Diam.	Gauging Order	Depth to Product	Depth To Water	Depth to Water (Check)	Depth to Well Bottom	Product Thickness	Length of Water Column	Comments
B-1	4"	1	/	10.70	10.70	24.88	/	14.18	G.S
B-2	4"	2	/	9.30	9.30	25.37	/	16.07	G.S.
W-2	4"	3	/	11.80	11.80	25.10	/	13.3	G.
PB-2	4"	4	/	11.60	11.60	25.51	/	13.91	G.
W-5	4"	5	/	11.88	11.88	33.69	/	21.81	G.
PB-6	4"	6	/	10.01	10.01	24.57	/	14.56	G.
W-7	4"	7	/	11.30	11.30	33.24	/	21.94	G.
W-3	4"	8	/	11.49	11.49	29.30	/	17.81	G.
W-1	4"	9	/	11.25	11.25	20.75	/	9.5	G.

Note: Gauging order shows lowest to highest concentrations based on previous quarter's analytical results.

ave DTW = 11.04

77 gls. Total

WellGaugeForm

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No. 03.996

Station No.____ Location 1161 E. Valley Pkwy @ Ash street

Contractor: *Wayne Perry, Inc.* Sampler Jorge G. / Ramirez P.

Well ID: B-2 **Well Diameter:** 4" **Depth-to Water:** 9.30

Gauging Date: 2-3-05 **Purging Method:** Bailer **Depth-to-Bottom:** 25.37

Sampling Date: ↓ **Sampling Method:** Disp Bailer **Water Column (ft):** 16.07

WELL PURGING:

Calculate volume of water to purge:

16.07 x 1.68 = 26.9 gals

(water column height') * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0 55		
8"	2	0 90		
10"	2	1 34	4	1.68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1. Purge **one borehole** volume and take measurements.
2. Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes).
3. Well stabilty is achieved when measurements vary by less than than 10% between intervals.
   Stop purging and collect sample after well recovers 80% of its static condition.
   If well does not recover after waiting two hours, collect sample.

Purge Start Time: 09:37 **Water Qual. Instrument Used:** OAKTON S# 143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	09:41	09:44				
TEMP (°C)	23.0	23.2				
pH	8.09	8.05				
CONDUCTIVITY	1569	1559				
TURBIDITY	over 200	over 200			26.8	
GALS. REMOVED	27	14				Total Gallons Purged: 41

DO **Pre-Purge Time**____ **Reading**____ **Post-Recharge Time**____ **Reading**____

REDOX **Pre-Purge Time**____ **Reading**____ **Post-Recharge Time**____ **Reading**____

Did Well Dewater? No Water Storage/Disposal Method Poly No. of Drums Used____

WELL SAMPLING:

Sampling Time 10:24 Recharge Level 9.35

Laboratory: ***American Analytics***

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE____ Oxygenates 8260B ✓ Other____

Trip Blank ID QCTB 10:10 Duplicate ID____ Equipment Blank ID____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed Ø

Repair/Replacement Needed Ø

WAYNE PERRY, INC.
WELL PURGING, SAMPLING AND INSPECTION FORM

Contractor Job No. 03-996

Station No. _____ Location 1161 E. Valley Pkwy @ Ash Street

Contractor: *Wayne Perry, Inc.* Sampler Jorge G. / Ramiro P.

Well ID: B-1	**Well Diameter:** 4"	**Depth-to Water:** 10.70
Gauging Date: 2-3-05	**Purging Method:** Bailer	**Depth-to-Bottom:** 24.88
Sampling Date: ↓	**Sampling Method:** Disp. Bailer	**Water Column (ft):** 14.18

WELL PURGING:

Calculate volume of water to purge:

14.18 x 1.68 = 23.8 gals

(water column height') * multiplier = one borehole volume

Multipliers for converting length of water column (feet) to gallons:

Borehole	Well Diameter	Multiplier	Well Diameter	Multiplier
6"	2	0 55		
8"	2	0 90		
10"	2	1 34	4	1 68
12"	2	1.88	4	2.22

San Diego County Purge Procedure:

1. Purge **one borehole** volume and take measurements.
2. Purge **1/2 borehole** volume **intervals** before each measurement (upto maximum three borehole volumes).
3. Well stabilty is achieved when measurements vary by less than than 10% between intervals.
   Stop purging and collect sample after well recovers 80% of its static condition.
   If well does not recover after waiting two hours, collect sample.

Purge Start Time: 09:50 **Water Qual. Instrument Used:** OAKTON S# 143669

Borehole volume intervals	1	1 1/2	2	2 1/2	3	COMMENTS
TIME	09:54	09:57				
TEMP (°C)	23.3	23.6				
pH	8.02	7.96				
CONDUCTIVITY	1606	1616				
TURBIDITY	over 200	over 200			39.0	
GALS. REMOVED	24	12				**Total Gallons Purged:** 36

DO **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

REDOX **Pre-Purge Time**_____ **Reading**_____ **Post-Recharge Time**_____ **Reading**_____

Did Well Dewater? No Water Storage/Disposal Method Poly No. of Drums Used_____

WELL SAMPLING:

Sampling Time 10:28 Recharge Level 10.85

Laboratory: ***American Analytics***

Analyses Requested: TPH-G ✓ BTEX ✓ MTBE____ Oxygenates 8260B Other_____

Trip Blank ID_____ Duplicate ID_____ Equipment Blank ID_____

WELL INSPECTION:

Well Cap Secured ✓ Well Cap Locked ✓ Traffic Cover Secured ✓

Well Box Cleaned and Free of Water ✓

Repair/Replacement Performed

Ø

Repair/Replacement Needed

Ø

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.

Manifest Document No. 011905

2. Page 1 of

3. Generator's Name and Mailing Address
SENESCO OIL / WURZD OIL
1161 E VALLEY PARKWAY, ESCONDIDO CA

4. Generator's Phone (714) 826 0362

5. Transporter 1 Company Name
ASBURY

6. US EPA ID Number
CAD0262 77036

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
DEMENNO-KERDOON
2000 N ALAMEDA
COMPTON CA 90222

10. US EPA ID Number
CAT080013352

A. State Transporter's ID
B. Transporter 1 Phone
C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID
F. Facility's Phone

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. GROUND WATER	1	TT	242 ~~245~~	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
P.O.# 04FAN001

NON-HAZARDOUS WASTE

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: MARIO MILANES
Signature: [signature]
Date: Month 01 Day 19 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ERIC CUDEBACK
Signature: [signature]
Date: Month 01 Day 19 Year 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: Ignacio Pino
Signature: [signature]
Date: Month 01 Day 19 Year 05

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. N/A

Manifest Document No. 000001

2. Page 1 of

3. Generator's Name and Mailing Address
THE SOURCE GROUP
1962 FREEMONT AVE
SIGNA HILLS CA 90755

4. Generator's Phone (562) 597-1055

5. Transporter 1 Company Name
ASBURY ENVIRONMENTAL

6. US EPA ID Number
CAD028277036

A. State Transporter's ID

B. Transporter 1 Phone 800-974-4406

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
DEMENNO/KERDOON
2000 ALAMEDA ST
COMPTON CA 90222

10. US EPA ID Number
CAT080015352

E. State Facility's ID

F. Facility's Phone (310) 537-7100

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
WASTE WATER				
a. WASTE WATER 100%	1	TT	110	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
PURGE WATER

H. Handling Codes for Wastes Listed Above
R01

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT 800-424-9300

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: Mario Milanes
Signature:
Date: Month 2 Day 25 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Fernando Lara
Signature:
Date: Month 02 Day 25 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space
QUANTITY DISCREPANCY GREATER THAN 10% VARIATION RECONCILED WITH GENERATOR/TRANSPORTER ON 2-28-05 WITH M.M. OF RECEIVED 80 GALLONS

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

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

ATTACHMENT C

LABORATORY RESULTS

LABORATORY ANALYSIS RESULTS

Client: United
Project No.: 03.996
Project Name: SANESCO
Sample Matrix: Water
Method: EPA 8260B

AA Project No.: A531627
Date Received: 12/22/04
Date Reported: 12/30/04
Units: ug/L

Date Sampled:	**12/21/04**	**12/21/04**	**12/21/04**	**12/21/04**	
Date Analyzed:	**12/23/04**	**12/23/04**	**12/23/04**	**12/23/04**	
AA ID No.:	**180791**	**180792**	**180793**	**180794**	
Client ID No.:	**QCTB**	**W-2**	**PB-2**	**W-5**	
Dilution Factor:	**1.0**	**1.0**	**1.0**	**1.0**	**MRL**
Compounds:					
Benzene	<0.5	<0.5	<0.5	<0.5	0.5
Di-isopropyl Ether	<2	<2	<2	<2	2
Ethyl tert-Butyl Ether	<2	<2	<2	<2	2
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	0.5
Gasoline Range Organics	<100	<100	<100	**250**	100
Methyl tert-Butyl Ether	<2	<2	**2.4**	<2	2
Tert-Amyl Methyl Ether	<2	<2	<2	<2	2
Tert-Butanol	<10	<10	<10	<10	10
Toluene	<0.5	<0.5	<0.5	<0.5	0.5
m,p-Xylenes	<1	<1	<1	<1	1
o-Xylene	<0.5	<0.5	<0.5	<0.5	0.5

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Project Manager

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LABORATORY ANALYSIS RESULTS

Client: United
Project No.: 03.996
Project Name: SANESCO
Sample Matrix: Water
Method: EPA 8260B

AA Project No.: A531627
Date Received: 12/22/04
Date Reported: 12/30/04
Units: ug/L

Date Sampled:	**12/21/04**	**12/21/04**	**12/21/04**	**12/21/04**	
Date Analyzed:	**12/23/04**	**12/23/04**	**12/23/04**	**12/23/04**	
AA ID No.:	**180795**	**180796**	**180797**	**180798**	
Client ID No.:	**PB-6**	**W-7**	**W-3**	**W-1**	
Dilution Factor:	**1.0**	**1.0**	**1.0**	**1.0**	**MRL**
Compounds:					
Benzene	<0.5	**1.1**	<0.5	**120**	0.5
Di-isopropyl Ether	<2	<2	<2	<2	2
Ethyl tert-Butyl Ether	<2	<2	<2	<2	2
Ethylbenzene	<0.5	<0.5	<0.5	**55**	0.5
Gasoline Range Organics	<100	<100	**470**	**4300**	100
Methyl tert-Butyl Ether	**2.7**	<2	<2	**30**	2
Tert-Amyl Methyl Ether	<2	<2	<2	<2	2
Tert-Butanol	<10	**33**	**130**	<10	10
Toluene	<0.5	<0.5	<0.5	**13**	0.5
m,p-Xylenes	<1	<1	<1	**11**	1
o-Xylene	<0.5	<0.5	<0.5	**4.8**	0.5

MRL: Method Reporting Limit J: Estimated Value

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LABORATORY QA/QC REPORT

Client: United
Project Name: SANESCO
Method: EPA 8260B
Sample ID: Reagent Blank

Project No.: 03.996
AA Project No.: A531627
Date Analyzed: 12/23/04
Date Reported: 12/30/04

Compounds	Result ug/L	MRL
Benzene	<0.5	0.5
Di-isopropyl Ether	<2	2
Ethyl tert-Butyl Ether	<2	2
Ethylbenzene	<0.5	0.5
Gasoline Range Organics	<100	100
Methyl tert-Butyl Ether	<2	2
Tert-Amyl Methyl Ether	<2	2
Tert-Butanol	<10	10
Toluene	<0.5	0.5
m,p-Xylenes	<1	1
o-Xylene	<0.5	0.5

MRL: Method Reporting Limit

Eydie Schwartz

Eydie Schwartz
Project Manager

LABORATORY QA/QC REPORT

Client: United
Project Name: SANESCO
Method: EPA 8260B
Sample ID: Laboratory Control Standard
Concentration: 20 ug/L

Project No.: 03.996
AA Project No. A531627
Date Analyzed: 12/23/04
Date Reported: 12/30/04

Compounds	Recovered Amount (ug/L)	Recovery (%)	Acceptable Range (%)
Benzene	20.6	103	75 - 125
Ethylbenzene	23.6	118	75 - 125
Gasoline Range Organics	20.0	100	75 - 125
Methyl tert-Butyl Ether	24.5	123	75 - 125
Toluene	18.7	94	75 - 125
o-Xylene	24.4	122	75 - 125

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CHAIN OF CUSTODY RECORD

A531627

Client: Sanesco	Project Number: 03.996
Site Address: 1161 East Valley Pkwy @ Ash street Escondido, Ca.	Laboratory: American Analytics
	Sampled By: Jorge Gonzalez
Client Id #:	Results By:

Sample Name	Depth	Location Description	Date	Time	Sample Type: Soil	Water	Air	Number of Containers	Test Required
QCTB		180791	12/21	11:52		X		2	TPH-G/BTEX/MTBE by 8260B.
W-2		180792	12/21	11:57		X		4	EPA 8260 TPH-G/BTEX/ Oxygenates.
PB-2		180793	12/21	12:05		X		4	
W-5		180794	12/21	12:10		X		4	
PB-6		180795	12/21	12:18		X		4	
W-7		180796	12/21	12:27		X		4	
W-3		180797	12/21	12:32		X		4	
W-1		180798	12/21	12:37		X		4	

'04 DEC 22 AM 10:5

Relinquished By:	Received By:	Date:	Time:
15:30 12-21-04	12/21/04	12/21/04	1530
Relinquished By: 12/23/4	Received By: 12/22/04	Date: 12/22/04	Time: 0850
Relinquished By: 12/22/04 10:5	Received By:	Date: 12/22/04	Time: 10:54 AM
Relinquished By:	Received By:	Date:	Time:

LABORATORY ANALYSIS RESULTS

Client: United
Project No.: 03-996
Project Name: Former Sanesco Station
Sample Matrix: Water
Method: EPA 8260B

AA Project No.: A531651
Date Received: 02/03/05
Date Reported: 02/08/05
Units: ug/L

Date Sampled:	02/03/05	02/03/05	02/03/05	
Date Analyzed:	02/04/05	02/04/05	02/04/05	
AA ID No.:	181992	181993	181994	
Client ID No.:	QCTB	B-2	B-1	
Dilution Factor:	1.0	1.0	1.0	
Compounds:				**MRL**
Benzene	<0.5	<0.5	<0.5	0.5
Di-isopropyl Ether	<2	<2	<2	2
Ethyl tert-Butyl Ether	<2	<2	<2	2
Ethylbenzene	<0.5	<0.5	<0.5	0.5
Gasoline Range Organics	<100	<100	<100	100
Methyl tert-Butyl Ether	<2	<2	<2	2
Tert-Amyl Methyl Ether	<2	<2	<2	2
Tert-Butanol	<10	<10	<10	10
Toluene	<0.5	<0.5	<0.5	0.5
m,p-Xylenes	<1	<1	<1	1
o-Xylene	<0.5	<0.5	<0.5	0.5

MRL: Method Reporting Limit

J: Estimated Value

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LABORATORY QA/QC REPORT

Client: United
Project Name: Former Sanesco Station
Method: EPA 8260B
Sample ID: Reagent Blank

Project No.: 03-996
AA Project No.: A531651
Date Analyzed: 02/04/05
Date Reported: 02/08/05

Compounds	Results ug/L	MRL
Benzene	<0.5	0.5
Di-isopropyl Ether	<2	2
Ethyl tert-Butyl Ether	<2	2
Ethylbenzene	<0.5	0.5
Gasoline Range Organics	<100	100
Methyl tert-Butyl Ether	<2	2
Tert-Amyl Methyl Ether	<2	2
Tert-Butanol	<10	10
Toluene	<0.5	0.5
m,p-Xylenes	<1	1
o-Xylene	<0.5	0.5

MRL: Method Reporting Limit

Eydie Schwartz

Eydie Schwartz
Project Manager

LABORATORY QA/QC REPORT

Client: United
Project Name: Former Sanesco Station
Method: EPA 8260B
Sample ID: Laboratory Control Standard
Concentration: 20 ug/L

Project No.: 03-996
AA Project No. A531651
Date Analyzed: 02/04/05
Date Reported: 02/08/05

Compounds	Recovered Amount (ug/L)	Recovery (%)	Acceptable Range (%)
Benzene	17.5	88	75 - 125
Ethylbenzene	18.8	94	75 - 125
Gasoline Range Organics	19.0	95	75 - 125
Methyl tert-Butyl Ether	18.0	90	75 - 125
Toluene	17.9	90	75 - 125
o-Xylene	19.3	97	75 - 125

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A53165

CHAIN OF CUSTODY RECORD

Client: Former Sanesco station	Project Number: 03-996
Site Address: 1161 East. Valley Pkwy @ Ash Street	Laboratory: American Analytics
Escondido, Ca	Sampled By: Jorge Gonzalez
Client Id #:	Results By:

Sample Name	Depth	Location Description	Date	Time	Sample Type: Soil	Water	Air	Number of Containers	Test Required
QCTB		181992	2/3/05	10:10		X		2	TPH-g/BTEX/MTBE by 8260B
B-2		181993	2/3/05	10:24		X		4	EPA8260 TPH-g/BTEX/oxygenates
B-1		181994	2/3/05	10:28		X		4	↓

Relinquished By:	Received By:	Date: 2/3/05	Time: 1:35
Relinquished By:	Received By:	Date: 02/03/05	Time: 17:26
Relinquished By:	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

approved as work order 2/4/05 @ 1043. E. Schwartz

ATTACHMENT D

GRAPHS

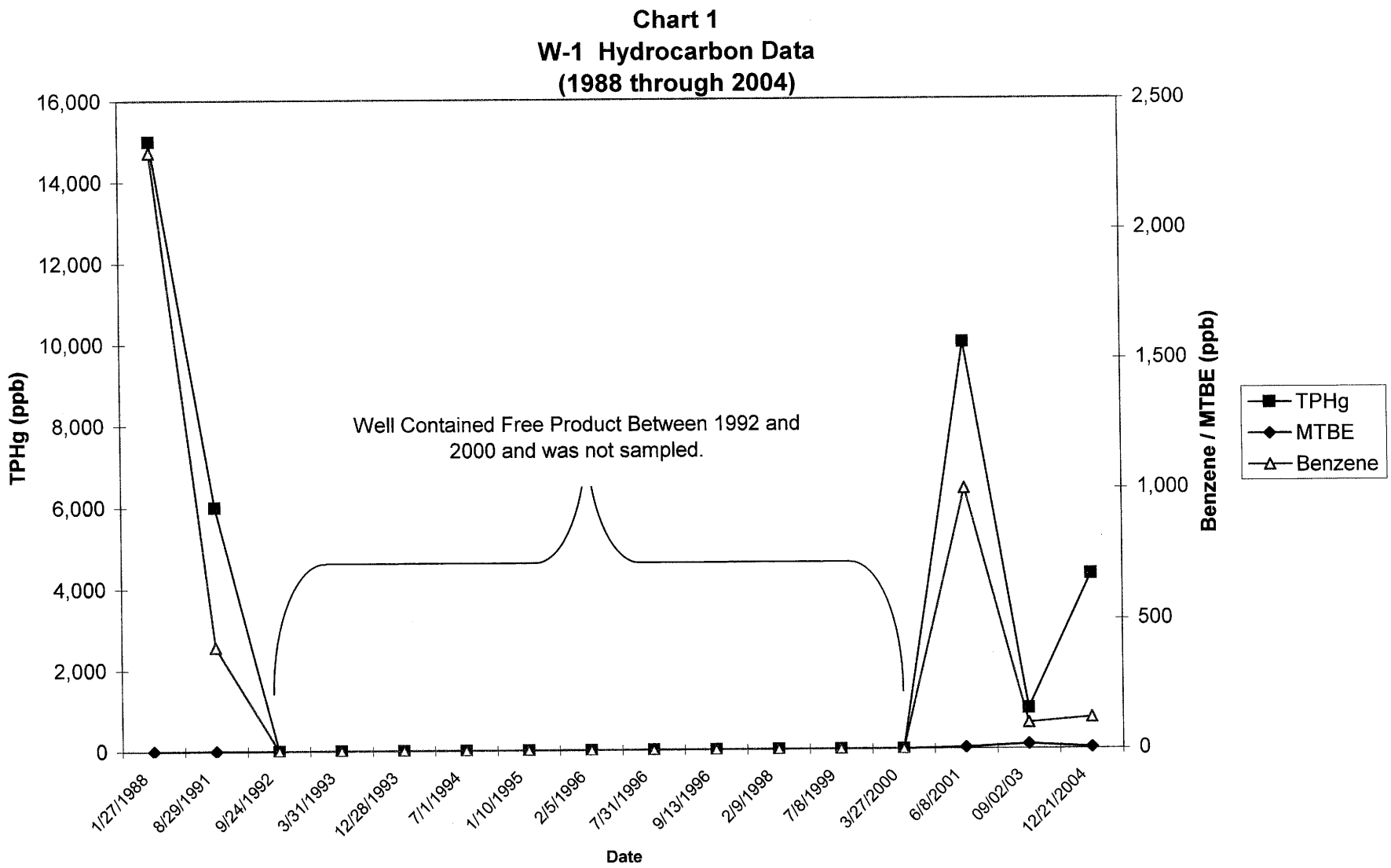

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Chart 2
W-3 Hydrocarbon Data
(1988 through 2005)

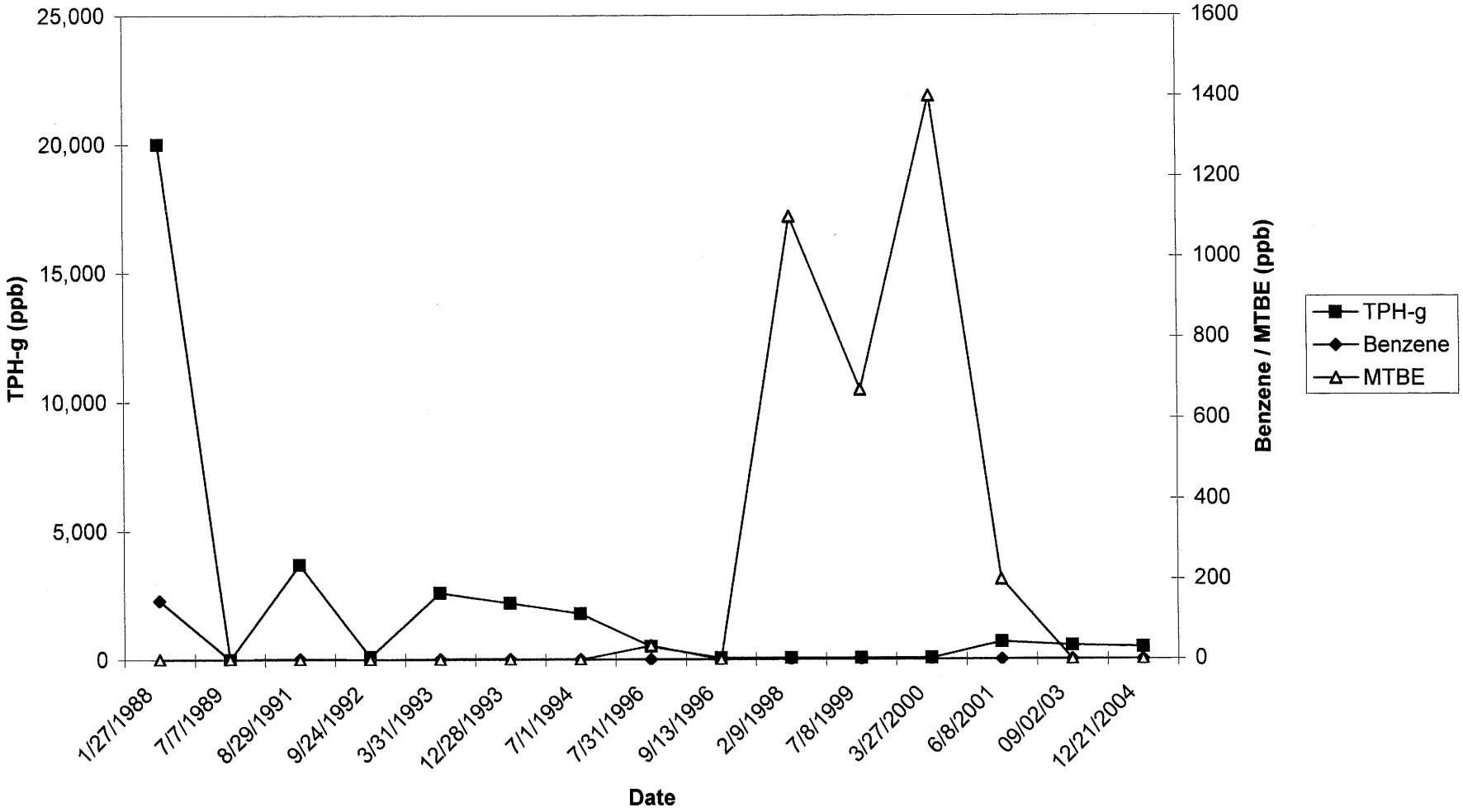

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Chart 3a
W-3 TPHg Trend
(1988 through 2004)

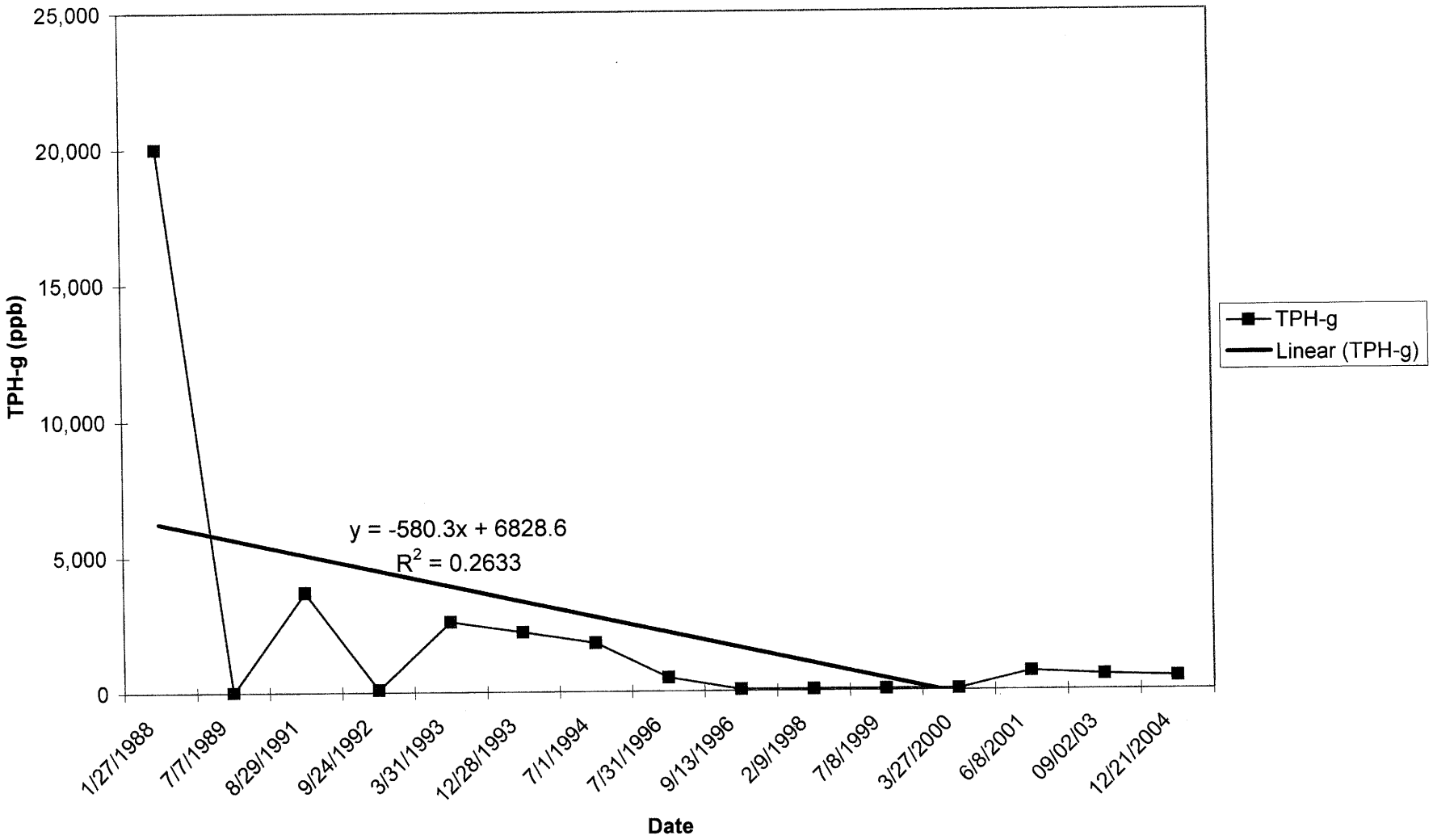

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Chart 3b
W-3 TPHg Trend Analysis
(1998 through 2004)

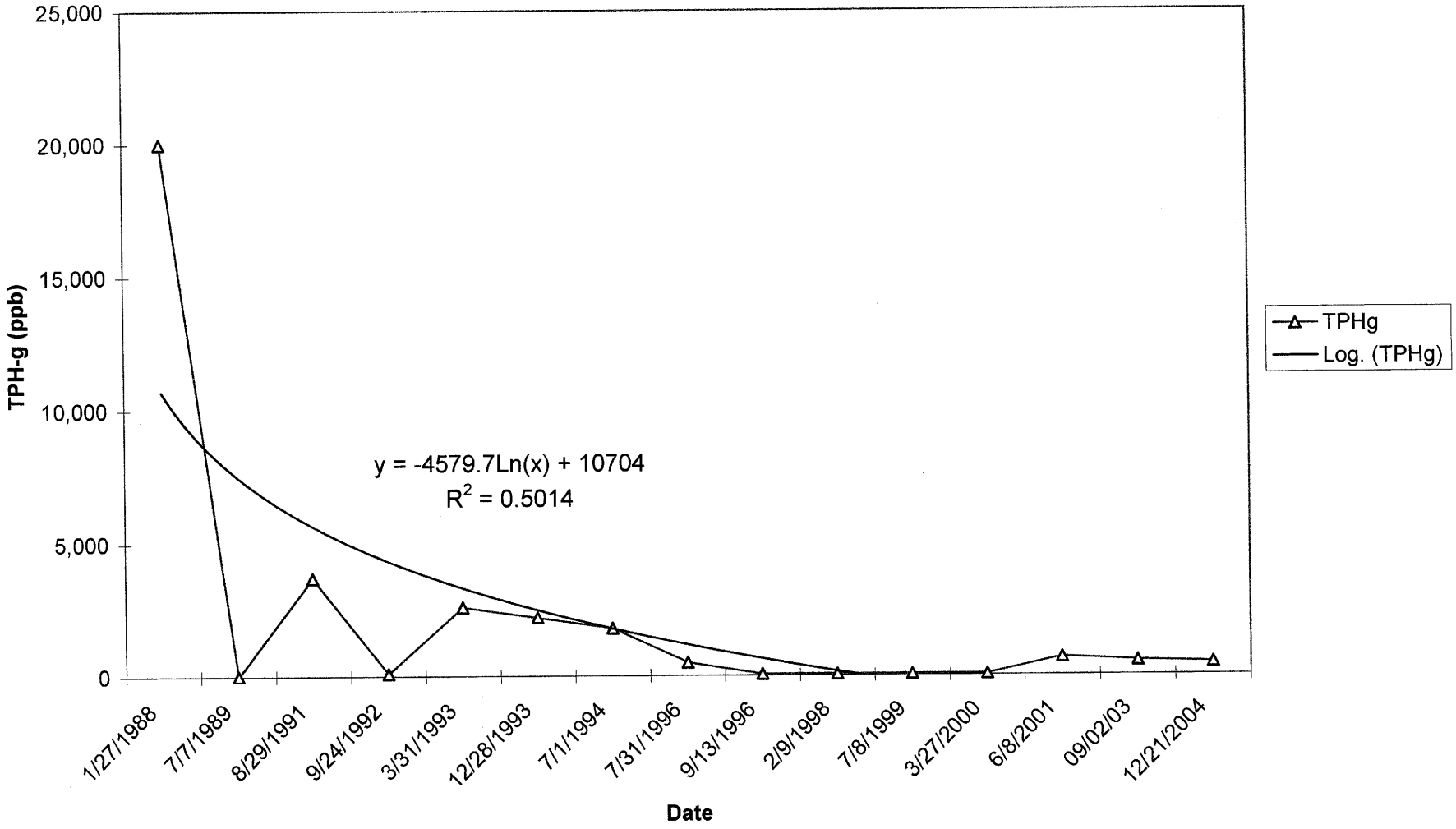

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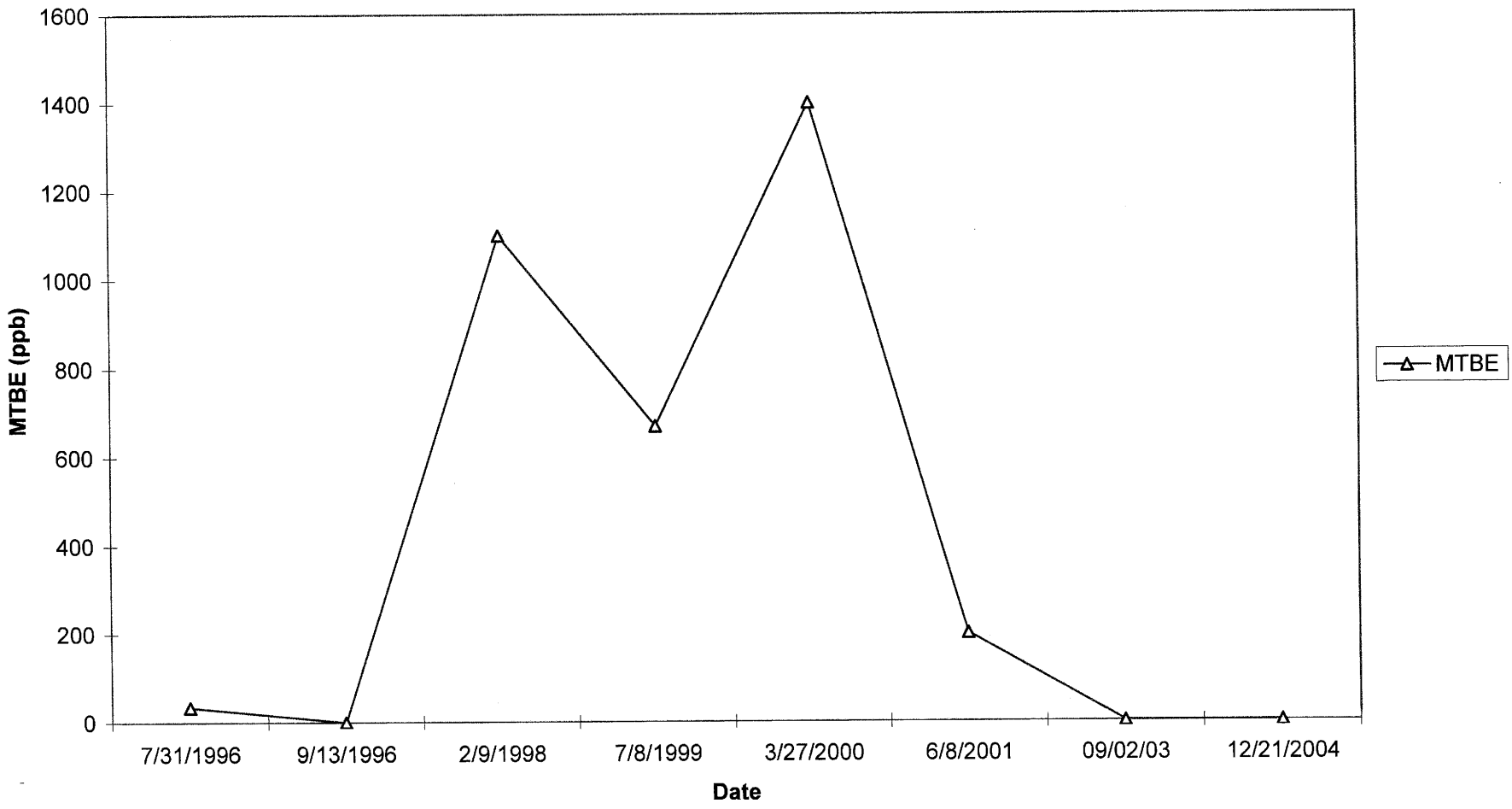
Chart 4
W-3 MTBE Trend Analysis
(1996 through 2004)



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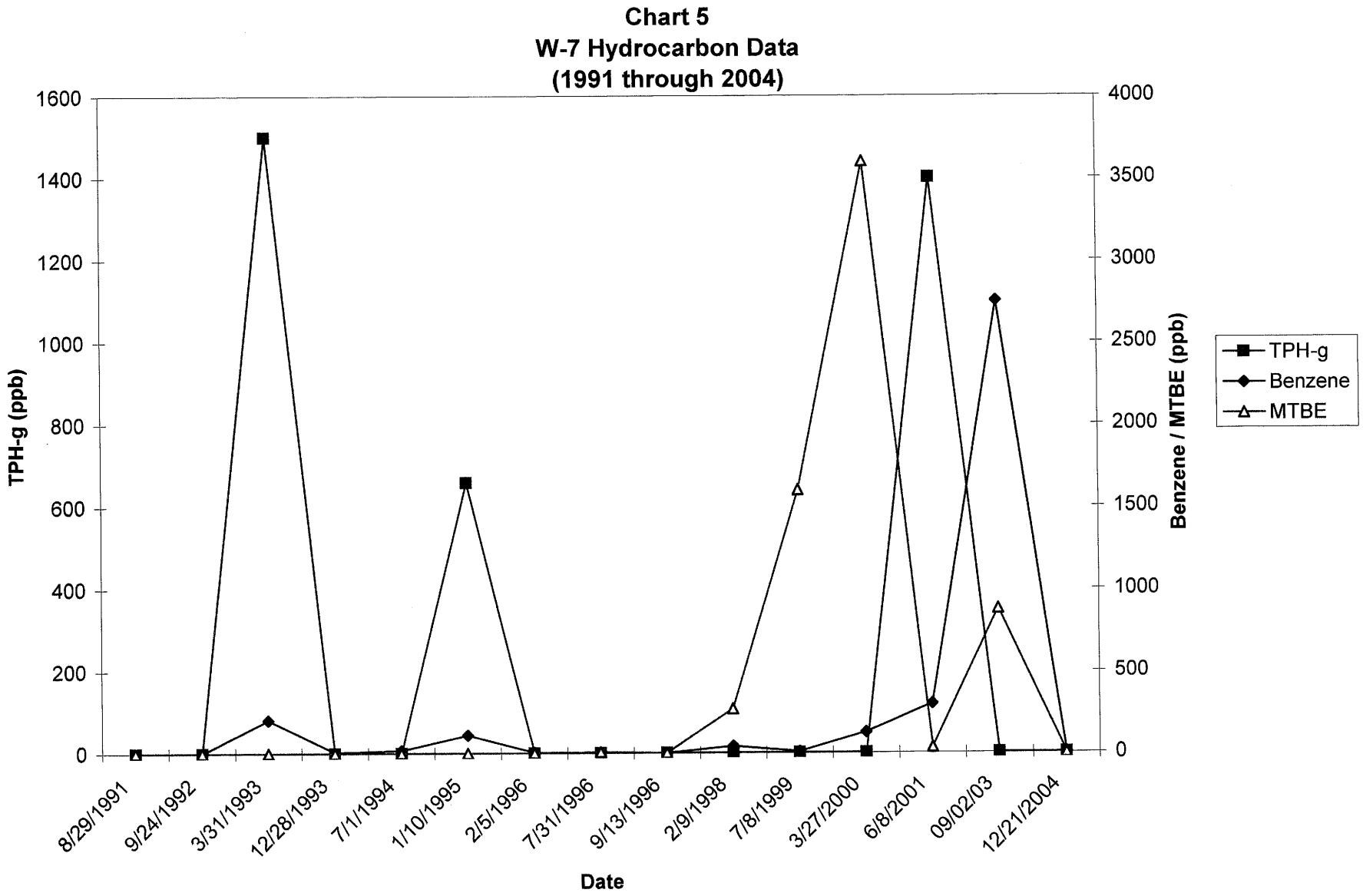

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Chart 6
W-7 Benzene
(1991 through 2004)

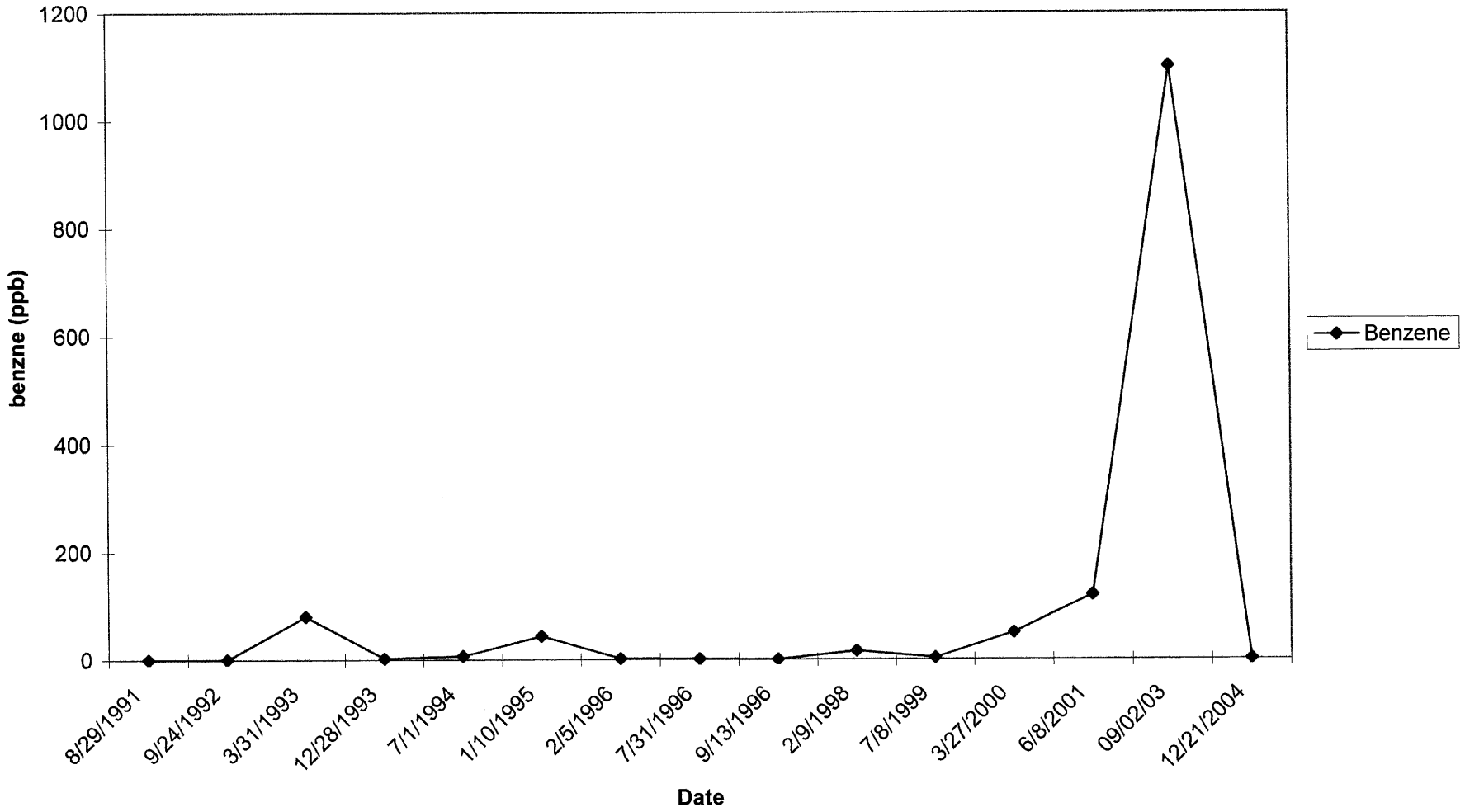

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Chart 7
W-1 Groundwater Elevation
(1991 through 2005)

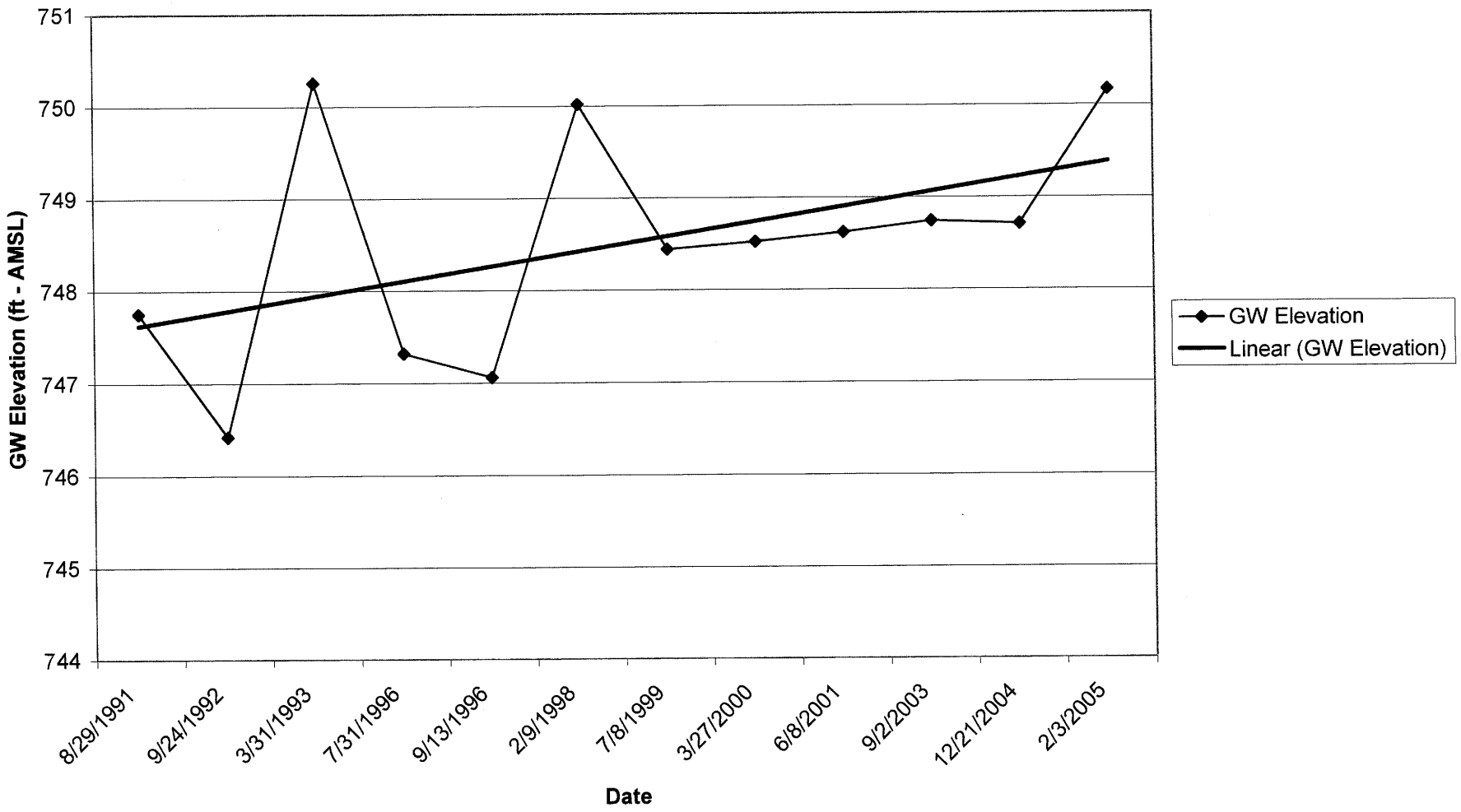

Chart 8
W-3 Groundwater Elevation
(1991 through 2005)

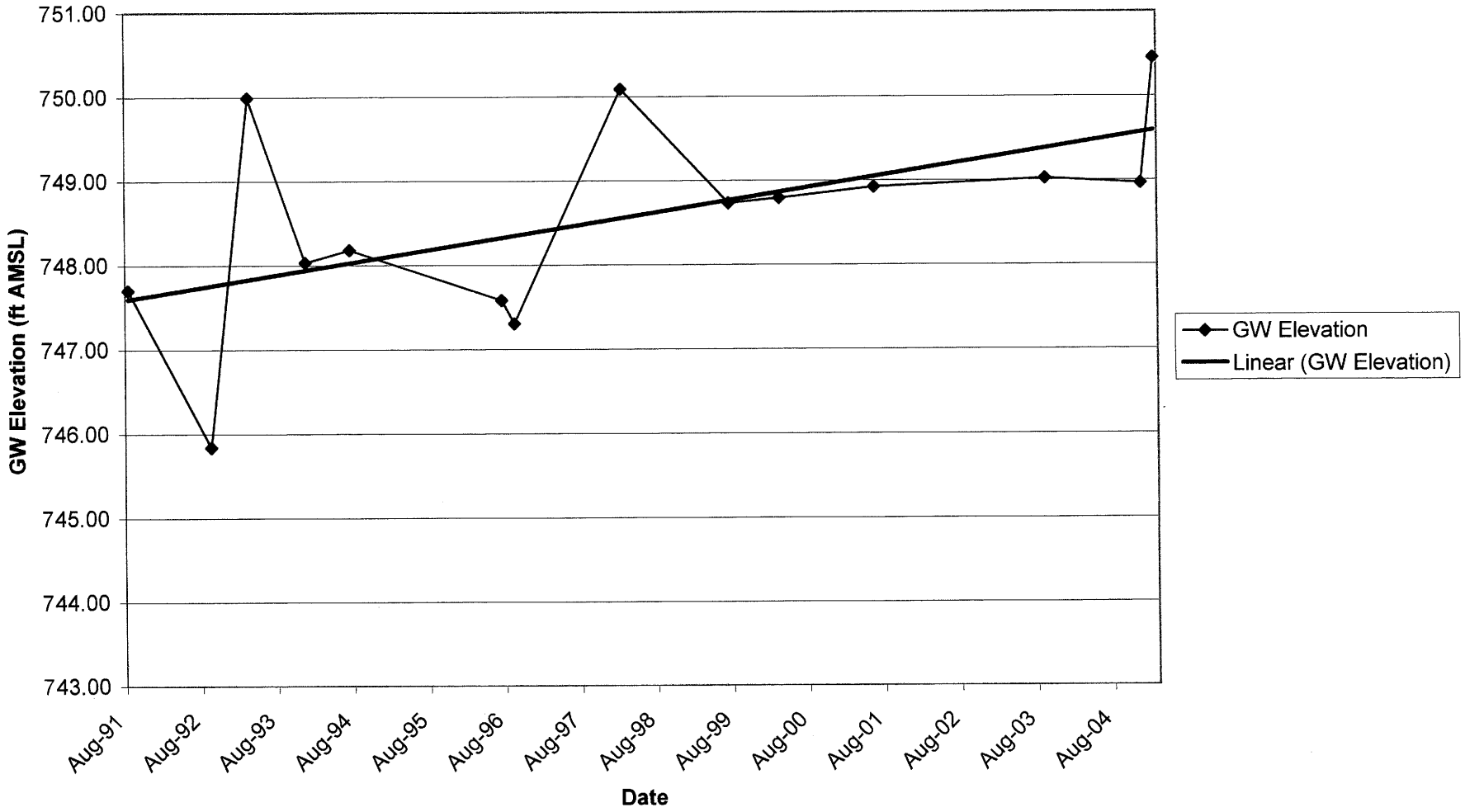

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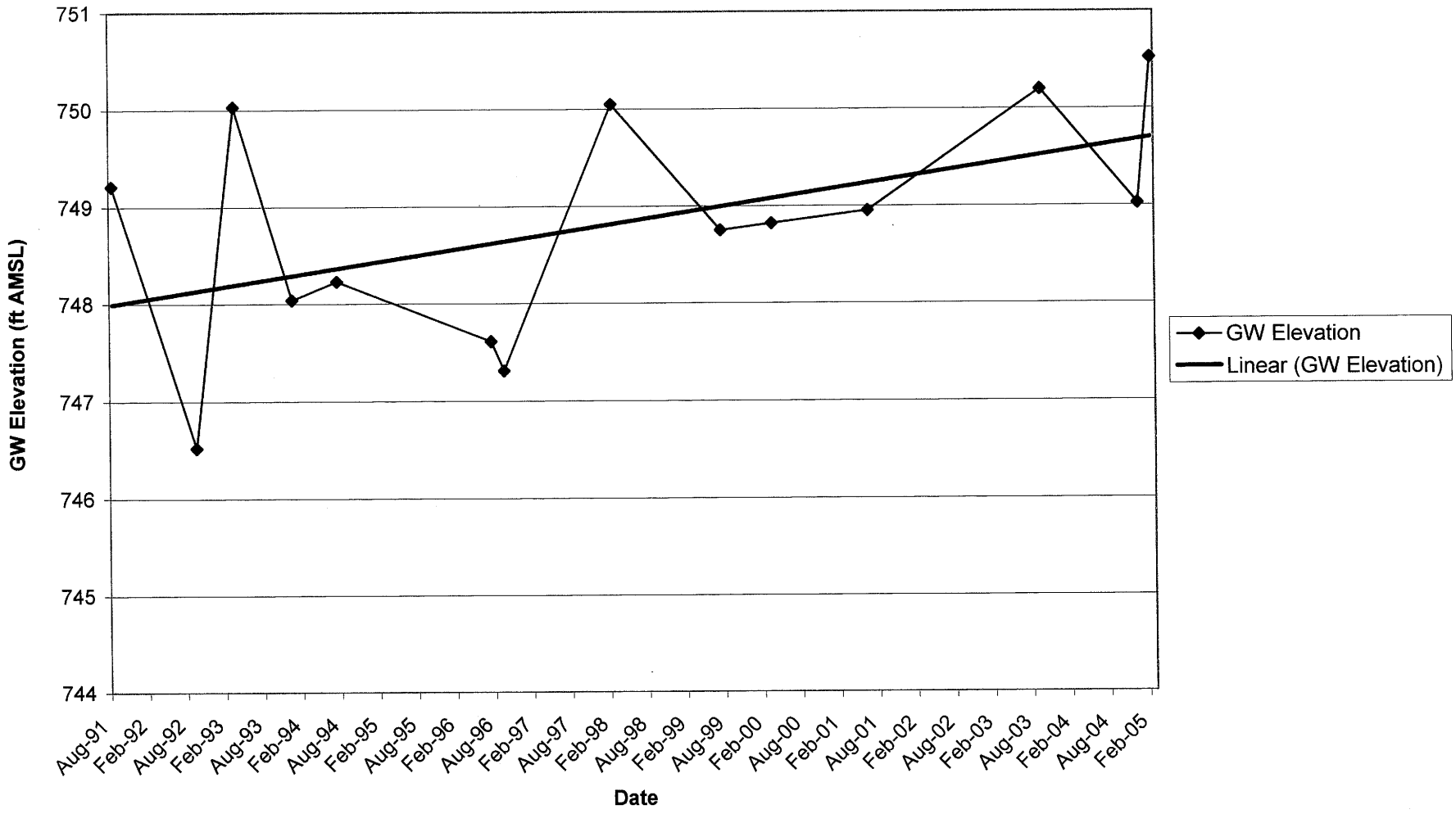
Chart 9
W-7 Groundwater Elevation Data
(1992 through 2005)



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