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2nd Quarter Groundwater Monitoring Report
Former CENCO Refinery
12345 Lakeland Road, Santa Fe Springs, CA

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CAO 97-118

Prepared on Behalf of

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Prepared for

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1. INTRODUCTION

On behalf of Isola Law Group, LLP, Murex Environmental (Murex) has prepared this *Second Quarter 2010 Groundwater Monitoring Report* for CENCO Refining Company for its former refinery located at 12345 Lakeland Road in Santa Fe Springs, California (site; Figure 1).

1.1 Purpose

The objective of the monitoring is to evaluate groundwater quality beneath the site and adjacent properties (Figure 2). This report presents the groundwater monitoring activities performed between May 10 and 17, 2010, in accordance with California Regional Water Quality Control Board, Los Angeles Region (RWQCB) Cleanup and Abatement Order (CAO) No. 97-118.

1.2 Site Description and History

The site is approximately 55 acres in size and is bordered to the north by Florence Avenue, to the south by Lakeland Road, and to the east by Bloomfield Avenue (Figure 2). Commercial/light industrial properties border the site to the west. The site was operated as an oil refinery from the 1930s until July 1995. Historical aerial photographs indicate that the western portion of the site may have been used for agricultural purposes from approximately 1928 to 1938. Oil-production-related structures such as ponds and aboveground holding tanks may have also been located onsite during these years (Haley & Aldrich, Inc. [Haley & Aldrich], 2005). The refinery is not currently in operation; however, some of the refinery structures remain onsite. These structures are scheduled to be removed prior to the redevelopment of the property for commercial/light industrial use.

Previous refining operations included processing crude oil into several grades of fuel including kerosene, leaded gasoline and aviation fuel, unleaded gasoline, jet fuel, high and low-sulfur diesel, fuel oil, and petroleum coke. Soil and groundwater quality beneath and in proximity to the site have been impacted by past site operations. Soil and groundwater investigations are being conducted pursuant to two CAOs (Nos. 85-17 and 97-118) issued by the RWQCB to Powerine Oil Company (CENCO Refining Company) in 1985 and 1997 (Haley & Aldrich, 2005).

2. GROUNDWATER SAMPLING ACTIVITIES

Quarterly groundwater monitoring has been conducted since August 1986. The previous monitoring event was performed by Murex in March 2010. The following subsections summarize the work completed during the second quarter 2010 monitoring event.

2.1 Monitoring Network

The quarterly groundwater monitoring program currently includes 44 wells as listed in Table I and shown on Figure 2. These wells include:

- Sixteen onsite groundwater monitoring wells: MW-101, MW-103, MW-104A, MW-105, MW-201, MW-202, MW-204, MW-205, MW-504, W-9, W-10, W-11, W-12, W-17A, W-17B, and W-17C;

- Sixteen downgradient offsite groundwater monitoring wells of which:

    - Three located on the former Lakeland property that include: MW-501A, MW-502, and MW-503B; and

    - Thirteen located on the Hospital property that include: MW-600A, MW-601A, MW-603, MW-604, MW-605, MW-606, MW-607, W-14A, W-14B, W-14C, W-15A, W-15B, and W-15C;

- Seven offsite groundwater monitoring wells located to the southeast on the Walker property including: W-1, W-3A, W-4, W-16A, W-16B, W-16C, and EW-1;

- Three offsite groundwater monitoring wells located to the east on the Bloomfield property that include: MW-106A, MW-107A, and MW-203; and

- Two onsite deep former water production wells identified as W-7 and W-8.

2.2 Groundwater Gauging

Murex attempted to gauge all 44 wells on May 7, 2010. Out of the total 44 wells, 19 were dry and 2 contained free-phase petroleum hydrocarbon (FPPH) product as follows:

- Wells containing groundwater: MW-104A, MW-106A, MW-107A, MW-503B, W-1, W-4, W-7, W-8, W-9, W-10, W-12, W-14A, W-14B, W-14C, W-15A, W-15B, W-15C, W-16A, W-16B, W-16C, W-17A, W-17B, and W-17C;
- Dry wells: MW-101, MW-103, MW-105, MW-201, MW-202, MW-203, MW-204, MW-205, MW-501A, MW-502, MW-504, MW-600A, MW-601A, MW-603, MW-604, MW-605, MW-606, MW-607 and W-3A;
- Wells with FPPH: EW-1 and W-11.

Table II summarizes the groundwater elevation measurements.

2.3 Groundwater Purging

The 23 monitoring wells that contained groundwater were purged via a vacuum stinger that was connected to a truck mounted vacuum operated by Nieto & Sons, with the exception of wells with FPPH and the production wells W-7 and W-8. During purging, extracted groundwater volume and quality were monitored in the field for flow rate, temperature, pH, turbidity, electrical conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), color, and odor. The results of the field parameter testing are summarized in Table VI. Purged groundwater was taken and disposed of by Nieto & Sons at their offsite facility.

2.4 Groundwater Sampling and Analysis

Following purging, groundwater samples were collected in sample containers both unpreserved and preserved (with hydrochloric acid) from the 23 wells, stored in pre-cooled ice chests and transported under chain-of-custody manifests to Sunstar Laboratories, Inc. (Sunstar Lab) of Lake Forest, California, ELAP # 2250. Sample identification name and Analytical methods were indicated on the chain-of-custody manifest corresponding to each collected sample. The requested laboratory analysis included the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by U.S. Environmental Protection Agency (USEPA) Method 8015M;

- Volatile organic compounds (VOCs) with oxygenates by USEPA Method 8260B; and

- Hexavalent chromium by USEPA Method 7199.

The results of the analytical testing are shown in Table III (TPHg), Table IV (VOCs), and Table V (hexavalent chromium).

To evaluate potential evidence of biological degradation of petroleum hydrocarbons in groundwater, groundwater samples from four wells (MW-104A, MW-205, MW-606, and MW-503B) are additionally analyzed for biodegradation parameters. However, two wells were dry (MW-205 and MW-606). As a result, only samples from wells MW-104A and MW-503B were sent to Sunstar Lab for the following analysis:

- Methane by USEPA Method RSK-175;
- Nitrate and sulfate by USEPA Method 300.0;
- Alkalinity by Standard Method (SM) 2320B; and
- Ferrous iron (Fe2+) by SM 3500-Fe D.

All samples were transported to SunStar Laboratories under proper chain-of-custody procedures.

The results of the biological parameter testing are summarized in Table VI.

2.5 Quality Assurance/Quality Control

As per the Quality Assurance/Quality Control (QA/QC) plan, Murex collected and/or submitted field duplicate samples and trip blanks for laboratory analysis as a quality assurance/quality control measure.

2.5.1 Trip Blanks

Trip blanks (provided by SunStar Laboratories) accompanied each daily groundwater sample shipment to evaluate the potential contamination of field samples during storage and transport. Trip blanks were analyzed for VOCs only.

2.5.2 Duplicates

Duplicate samples, which assess the precision of the laboratory analyses, were collected from wells MW-107A, W-8 and W-10. This represents a duplicate frequency of

approximately 13% relative to the total number of wells sampled. The duplicates followed the same analytical protocols as their respective primary samples.

2.5.3 Equipment Blanks

Equipment blanks were not collected because dedicated stingers were used to purge the wells and new disposable bailers were used for sampling, therefore eliminating cross-contamination between wells during the purging and sampling process.

3. RESULTS & DISCUSSION

This section presents and discusses the results of the second quarter 2010 groundwater monitoring event. Well completion data (as adapted from Dan Herlihy Environmental Services, 2006) are provided in Table 1. The groundwater level measurements, depths to water and FPPH, and groundwater elevations are presented in Table 2. Analytical results are compiled in Tables 3 through 6.

Appendix A provides copies of the well measurement and groundwater sampling forms. Laboratory reports and completed COCs are reproduced in Appendix B. Finally, Appendix C contains historical data tables. Murex will combine new data with historical data, and present graphs of concentrations over time to the RWQCB in future submittals, once electronic files from previous consultants become available.

The presentation of the results in this report does not distinguish between site- and non-site-related constituents, although there are indications of non-site-related contaminants in groundwater.

3.1 Groundwater Surface Elevations and Gradient

Groundwater surface elevations were calculated for each well by subtracting the water level measurement from the top of casing elevation (Tables 1 and 2). Groundwater elevations were adjusted for wells with FPPH, which was assumed to have a relative density of 0.80, which is typical for mean density of various petroleum hydrocarbon mixtures. Groundwater elevations, contour lines, gradient direction and slope are shown on Figure 3.

Based on the groundwater level measurements obtained on May 7, 2010, first-encountered groundwater beneath the site vicinity ranges in elevation from 24.26 to 50.27 feet above mean sea level. Groundwater elevations have dropped by an average of approximately 4.07 feet since January 2009 (ARCADIS, 2009), compared to a decrease of approximately 3.6 feet between February 2008 and January 2009.

The average horizontal groundwater gradient is approximately 0.008 foot per foot (ft/ft), as shown in Figure 3. The groundwater flow direction during this monitoring event is to the south-southwest. These flow directions are relatively consistent with those historically reported in previous investigations.

The significant drop in groundwater elevation documented over the last 10 years (approximately 25-30 feet) has caused many of the groundwater monitoring wells to be dry. Regionally, groundwater elevations have decreased as a result of California's drought; however, the drop in levels locally may also be influenced by municipal groundwater pumping operations.

3.2 Free-Phase Petroleum Hydrocarbons

Measurable FPPH, which is also known as light non-aqueous-phase liquid, or LNAPL, was detected in wells EW-1 and W-11 (Table 2). FPPH in Well EW-1 was measured at a thickness of 0.71 feet and in Well W-11 was measured at 0.61 feet. In previous monitoring events, FPPH was detected in monitoring wells EW-1 and W-11, as well as MW-502, MW-504, and W-3A, although these wells were dry during this event.

3.3 Groundwater Analysis

Analytical results are summarized in Tables 3 through 6, and laboratory reports and completed COCs are included in Appendix C.

3.3.1 Total Petroleum Hydrocarbons as Gasoline

The Second Quarter 2010 TPHg results are presented in Table 3 and Figure 4. TPHg was detected in 19 of the 23 wells sampled at concentrations ranging from 54 micrograms per liter (µg/L) in monitoring well W-17B to 9,500 µg/L in monitoring well W-10. Compared to the First Quarter of 2010, TPHg concentrations decreased in 9, increased in 9, and remained the same in 5 wells, which is considered to be relatively stable.

Groundwater sampled from monitoring well MW-107A exhibited the largest absolute increase in TPHg concentrations from 1,100 ug/L to 1,500 ug/L compared to the March 2010 monitoring event. The largest absolute decrease in TPHg concentration was observed in monitoring well W-10, where the concentration dropped from 12,000 to 9,500 µg/L since March 2010.

3.3.2 VOCs and Oxygenates

A summary of VOC and oxygenate analytical results for the Second Quarter 2010 is presented in Table 4. Historical data from previous monitoring events is contained in Appendix C. Murex will combine new data with historical data, and present graphs of

concentrations over time to the RWQCB in future submittals, once electronic files from previous consultants become available.

3.3.2.1 Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)

Benzene was present in samples collected from 12 wells at concentrations ranging from 0.58 µg/L in well W-14C to 3,900 µg/L in the sample from well W-10 (Figure 5). Samples from 11 wells contained benzene at concentrations greater than the California Maximum Contaminant Level (MCL) in drinking water of 1 µg/L. Benzene concentrations in the Second Quarter of 2010 are similar to concentrations from previous monitoring events.

Of the other BTEX compounds analyzed, toluene was detected in samples from 3 wells at concentrations ranging from 1.0 µg/L in MW-503B to 11 µg/L in the sample from MW-107A. Toluene was not detected above its California MCL (150 µg/L) in the wells sampled. Ethylbenzene was detected in samples from 4 wells at concentrations ranging from 1.2 µg/L in MW-503B to 230 µg/L in W-10. Ethylbenzene was not detected above its California MCL (300 µg/L) in the sampled wells. Total xylenes, including the *ortho, meta,* and *para* isomers, were detected in samples from 4 wells at concentrations ranging from 0.51 µg/L in W-7 to 280 µg/L in W-10. All xylene detections were less than the California MCL of 1,750 µg/L.

3.3.2.2 Methyl tert-butyl Ether (MTBE)

The oxygenate MTBE was detected in samples from 4 wells at concentrations ranging from 4.7 µg/L in MW-107A to 85 µg/L in W-15A (Figure 5). The California MCL of 13 µg/L for MTBE in drinking water was exceeded only in wells W-15A and W-15B (17 µg/L).

3.3.2.3 Tert-Butyl Alcohol (TBA)

TBA, another oxygenate and a byproduct of MTBE breakdown, was detected only in the sample from well W-15B at a concentration of 36 µg/L. The California State Notification Level (formerly the Action Level) and Response Level for Drinking Water for TBA is 12 µg/L.

3.3.2.4 Other VOCs

In addition to the aforementioned compounds, 18 additional VOCs were detected in groundwater during this sampling event. The constituents are as follows, with the frequency of detection (number of wells) shown in parentheses.

cis-1,2-dichloroethene (*c*-1,2-DCE) (11) naphthalene (5)

isopropylbenzene (9)
trans-1,2-dichloroethene (*t*-1,2-DCE) (5)
1,1-dichloroethane (1,1-DCA) (2)
n-propylbenzene (9)
sec-butylbenzene (6)
1,2-dichloroethane (1,2-DCA) (2)
1,1-dichloroethene (1,1-DCE) (2)
1,1,2-trichloroethane (1)
tert-butylbenzene (1)
1,2,4-trimethylbenzene (2)
1,3,5-trimethylbenzene (1)
n-butylbenzene (3)
p-isopropyltoluene (1)
vinyl chloride (4)
trichloroethene (TCE) (4)
tetrachloroethane (PCE) (1)

Contrary to the previous monitoring event, PCE was detected in one well sampled this quarter and TCE was detected at a concentration exceeding the 5 µg/L California MCL in the sample from well W-14B at a concentration of 32 µg/L.

3.3.3 Hexavalent Chromium

Hexavalent chromium was not detected in the samples from the sampled monitoring wells, nor has it been in recent years.

3.3.4 Distribution of Constituents

3.3.4.1 Potential Offsite Sources of VOCs

Groundwater collected from the monitoring wells along Bloomfield Ave, located cross-gradient at the south-eastern boundary of the site, contained chlorinated hydrocarbons. The detection of these contaminants in cross-gradient wells and other off-site wells to the East suggests the presence of offsite, upgradient source(s). In addition, previous monitoring events resulted in the detection of chlorinated hydrocarbons in samples from wells located on the west side of the site (i.e. MW-105) and the west side of the Hospital property (i.e. MW-603 and W-14B).

3.3.4.2 TPHg and VOCs

The highest concentrations of TPHg detected during this sampling event were in the north-central and southwestern portions of the site, extending southeast toward the northern part of the Hospital property and east toward the Bloomfield property (Figures 4 and 5). TPHg was detected at a concentration of 9,500 µg/L in the sample from monitoring well W-10, located in the north-central part of the site. TPHg was detected at the former Lakeland property at a concentration of 2,900 µg/L in the sample from monitoring well MW-503B.

In two of the aforementioned wells, the highest benzene concentrations were also detected: 3,900 µg/L in W-10 and 91 µg/L in MW-503B (Figure 5). Well W-10 also had the highest concentrations of ethylbenzene (230 µg/L), naphthalene (130 µg/L), 1,2,4-trimethylbenzene (70 µg/L), 1,3,5-trimethylbenzene (13 µg/L), and total xylenes (282 µg/L). The highest MTBE concentrations were observed in wells W-15A and W-15B at 85 and 17 µg/L, respectively.

Wells exhibiting FPPH product were not sampled, however, likely exhibit concentrations in excess of 10% of the aqueous solubility of the petroleum mixture. The solubility of various gasoline-range hydrocarbons can span from 36 mg/L (C5-C6) down to 5.4 mg/L (C6-C8) (Gustafson, 1996). Assuming a mean solubility of 10 mg/L, the concentrations of TPHg in wells exhibiting FPPH likely exceed 1 mg/L, or 1,000 ug/L.

The footprint of impacted groundwater emanating from the southwestern corner of the site has not changed shape or size substantially since the last groundwater monitoring event in December 2009.

3.3.5 Biodegradation Parameters

Biodegradation of TPHg most commonly occurs by aerobic, nitrate-reducing, ferric iron (Fe3+)-reducing, sulfate-reducing, or methanogenic respiration. TPHg and BTEX serve as electron donors for the microbial metabolism in aerobic biodegradation. Electron acceptors include oxygen, nitrate, Fe3+, sulfate, and carbon dioxide.

In general, if sufficient oxygen is present, aerobic biodegradation will occur first. When the dissolved oxygen (DO) concentration falls below approximately 0.5 mg/L (an anoxic environment), denitrification will begin if nitrate is present. After most nitrate has been consumed, Fe3+ reduction will begin if Fe3+ is present. Fe3+ concentrations will decrease, while Fe2+ concentrations will increase. After most Fe3+ is consumed, sulfate reduction will begin if sulfate is available. After most sulfate has been consumed, methanogenesis, which involves carbon dioxide as an electron acceptor, begins. During methanogenesis, methane concentrations increase (Department of the Navy, 1998).

The results discussed below indicate that biodegradation, whether aerobic or anaerobic, may be occurring in the local environment around the wells that were sampled for biodegradation parameters.

3.3.5.1 Field Measured Parameters

pH, DO, and oxidation-reduction potential (ORP) data were collected from 21 monitoring wells using a YSI 556 water quality meter (Table 6). The meter was inserted into grab water samples, collected from the vacuum truck intake throughout the purging process.

• **pH** – This parameter quantifies the acidity or alkalinity of a solution. Results ranged from 7.87 to 8.68, indicating a neutral to alkaline environment that is suitable for the growth of alkalophilic bacteria and microorganisms that thrive at a circumneutral pH.

• **DO** – Oxygen is the preferred electron acceptor in the biodegradation of petroleum hydrocarbons. When aerobic biodegradation occurs, DO concentrations are expected to decline as microorganisms use the electron acceptor during respiration.

DO concentrations ranged from 0.77 to 7.90 mg/L, reflecting an aerobic environment. It is important to note that the vacuum stinger method used to purge the wells introduces oxygen into the water. Therefore, DO data is not representative of the actual oxygen content.

• **ORP** – This parameter is a measure of electron activity, which reflects the oxidizing or reducing nature of the environment. ORP values are generally negative under reducing conditions (gaining electrons) and positive under oxidizing conditions (losing electrons). Anaerobic biodegradation has a tendency to create reducing conditions, resulting in negative ORP readings.

The most negative ORP values were observed in samples from monitoring wells MW-107A (–370 mV), W-17C (–322 mV), W-17B (–313 mV), W-16B (–310 mV), W-16C (–295 mV), W-15A (–228 mV), W-1 (–197 mV), W-12 (–180 mV), W-9 (–175 mV) and W-14B (-172 mV). A hydrogen sulfide odor (produced from the reduction of sulfate in groundwater) was detected during purging of wells MW-107A, MW-503B, W-1, W-12, W-16B, W-16C, and W-17C, providing additional evidence that anaerobic conditions are present. The only positive ORP values were observed in samples from monitoring wells MW-107A (19 mV) and W-14A (2 mV). As with DO measurements, ORP measurements can be affected by disturbance and exposure to the atmosphere during sample collection, however are more stable than DO readings and likely approximate actual conditions.

These readings indicate aerobic degradation of the hydrocarbons has stalled due to lack of oxygen. It is likely that the introduction of air (such as through bioventing) could benefit the degradation of the contaminants.

3.3.5.2 Laboratory Measured Parameters

Groundwater samples from four wells MW-104A and MW-503B were analyzed by SunStar Laboratories for methane, nitrate, sulfate, total alkalinity, and Fe2+. Two wells, MW-205 and MW-606 wells were also included for the evaluation of biodegradation potential based on their location, however, no samples were collected from them because they were dry.

• **Total Alkalinity** – Total alkalinity results from the presence of hydroxides, carbonates, and bicarbonates. Aerobic biodegradation in groundwater may result in increased alkalinity due to the evolution of carbon dioxide.

Results were similar to those observed in previous monitoring events in 2009 and 2010. The highest alkalinity concentration (790 mg/L) was observed in the sample from monitoring well MW-104A (same value as in the July 2009, December 2009, and March 2010 sampling events). MW-503B has a total alkalinity of 760 mg/L (lower than the 450 mg/L value in March 2010). The relatively high alkalinity observed in these wells indicates that the local environment is conducive to methanogenesis and that prior to methanogenesis, aerobic degradation may have occurred. When TPHg is degraded aerobically, carbon dioxide is released into the aqueous environment in the form of carbonates or bicarbonates, raising the alkalinity.

• **Nitrate** – Nitrate may be used as an electron acceptor in anoxic environments where the DO has been depleted. During this biodegradation process, nitrate loses an oxygen atom and is reduced to nitrite in part of a process called denitrification. Decreased concentrations of nitrate in wells containing higher concentrations of hydrocarbons generally indicate the occurrence of denitrification.

Nitrate was not detected in either of the samples collected from wells MW-104A and MW-503B. However, geochemical conditions in localized groundwater may still be suitable for denitrification.

• **Ferrous Iron** – Fe3+ (ferric iron) may be used as an electron acceptor during anaerobic degradation of petroleum hydrocarbons when it is reduced to Fe2+ (ferrous iron). Fe2+ was observed in samples from monitoring wells MW-503B and MW-104A at a concentration of 2.61 mg/L and 0.126 mg/L respectively. Fe3+ reduction may be occurring in localized groundwater.

• **Sulfate** – Sulfate may also be used as an electron acceptor for anaerobic biodegradation once DO and nitrate are (nearly) exhausted. A drop in sulfate concentrations in wells with high concentrations of petroleum hydrocarbons indicates the occurrence of anaerobic biodegradation.

Sulfate was detected in samples from both wells at concentrations of 78.4 mg/L in MW-104A and 7.19 mg/L in MW-503B.

• **Methane** – Dissolved methane is a byproduct of methanogenic reducing activity, which is indicative of anaerobic biodegradation. Methane is typically produced once the electron acceptors oxygen, sulfate, and nitrate have been completely utilized. Therefore, as methane concentrations increase, DO, sulfate, and nitrate concentrations typically decrease.

Methane was detected in both monitoring wells at concentrations of 0.814 mg/L in the sample collected from MW-104A and 9.98 mg/L in the sample collected from MW-503B. The presence of methane in these wells indicates that methanogenesis may be occurring.

3.3.6 Quality Assurance/Quality Control (QA/QC)

Duplicate sample results are provided alongside their parent sample results in Tables 3 through 5. The results show similar concentrations of analytes as in their respective primary samples, as would be expected for an ELAP-certified laboratory.

4. SUMMARY & CONCLUSIONS

Groundwater monitoring was performed at and in the vicinity of the former CENCO refinery in May 2010 as part of an ongoing groundwater monitoring plan intended to evaluate chemical impacts, contaminant sources, and overall groundwater quality. This groundwater monitoring event included inspecting/gauging water levels in 44 wells and collecting samples from 23 of those wells for analysis of TPHg, VOCs, and hexavalent chromium. Two of the wells were also sampled for analysis of biodegradation parameters including methane, nitrate, sulfate, total alkalinity, Fe2+, pH, DO, and ORP.

4.1 Groundwater Surface Elevations and Gradient

A horizontal groundwater gradient of approximately 0.008 ft/ft was calculated for the Second Quarter groundwater monitoring event. This is consistent with historical gradient data for the site. Overall, groundwater levels have dropped by an average of 4.07 feet since January 2009. Groundwater flows south-southwesterly near the site and historically groundwater flow direction takes a more southerly route beneath the Hospital property.

The significant drop in groundwater elevation documented over the last 10 years (approximately 25-30 feet) has caused many of the groundwater monitoring wells to be dry. Regionally, groundwater elevations have decreased as a result of California's drought, however, the drop in levels locally may also be influenced by municipal groundwater pumping operations. According to reports published by the Water Replenishment District, municipal pumping is occurring in Santa Fe Springs and neighboring Norwalk to the west, the southeast, and the south.

4.2 Free-Phase Petroleum Hydrocarbons

The number of wells in which FPPH was observed decreased from six in June 2004, to four in October 2005, to two in February 2006, to one in November 2007 (MW-600A) and in February 2008 (W-11), although the decrease is likely a result of the inability to conduct measurements in dry wells. FPPH was observed in two wells during the Second Quarter 2010 monitoring event. The thicknesses (0.61 to 0.71 feet) detected within these wells does not necessarily reflect FPPH actual thickness in the surrounding aquifer as fluctuations in water levels and permeability factors can influence FPPH accumulation in monitoring wells.

4.3 Groundwater Quality

Current groundwater quality is generally consistent with historical observations and analyses. The Second Quarter 2010 TPHg results are presented in Table 3 and Figure 4. TPHg was detected in 19 of the 23 wells sampled at concentrations ranging from 54 micrograms per liter (µg/L) in monitoring well W-17B to 9,500 µg/L in monitoring well W-10. Compared to the First Quarter of 2010, TPHg concentrations have remained relatively static.

The footprint of impacted groundwater emanating from the southwestern corner of the site has not changed substantially in shape or size since the previous groundwater monitoring events.

Hexavalent chromium was not detected in the sampled wells, and is not considered a site contaminant of concern.

4.4 Biodegradation

Intrinsic biodegradation continues to be viable, in at least some areas of the site and vicinity, based on nitrate, sulfate, Fe2+, methane, alkalinity, and ORP results. The main limiting factor is oxygen, which if introduced mechanically, could spur significant reduction in contamination through biodegradation.

4.5 Recommendations

Murex recommends continuing monitoring groundwater conditions at the site. Additionally Murex recommends exploring the feasibility of deepening or replacing existing monitoring wells that continue to exhibit dry conditions.

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CLOSING

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Should you have any questions or concerns regarding the material herein, please do not hesitate to contact the undersigned at (714) 508-0800.

Sincerely,
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Table I
Well Construction Details
Former CENCO Refinery
Santa Fe Springs, CA

Well Installation					Completion Data																Location	Reference(s)
Well ID	Date	By	Elevation[1]		Hole Diameter (in)	Casing Diameter (in)	Screen		Depth (ft)						Elevation[1] (ft)							
			Ground Surface	TOC			Slot	Length	Sand Pack		Slotted		Total Depth		Sand Pack		Slotted		Total Depth			
			(ft)	(ft msl)			(in)	(ft)	Top	Bottom	Top	Bottom	Casing	Hole	Top	Bottom	Top	Bottom	Casing	Hole		
Groundwater Monitoring Wells																						
EW-1	6/11/1905	Emcon	146.16	144.78	-	4	-	-	-	-	-	-	113.5	-	-	-	-	-	-	-	Walker	Versar (2000)
MW-101	8/28/1985	IT	137.55	135.23	12	4	-	20	69.5	90	70	90	90	95	66	45	65	45	45	40	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-103	8/30/1985	IT	138.74	136.95	12	4	-	20	-	-	79	99	99	99.5	-	-	58	38	-	37	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-104	8/24/1985	IT	-	142.09	12	4	-	20	-	-	76.5	96.5	97	99	-	-	66	46	-	43	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-104A	6/1999	Versar	143.64	141.16	-	4	-	-	-	-	65	100	100	-	-	-	-	-	-	-	Refinery	Versar (2000); measured well depth
MW-105	12/1995	TriHydro	141.03	138.63	-	4	-	-	-	-	68	98	98	100	-	-	-	-	-	39	Refinery	Versar (2000); measured well depth
MW-106	12/1995	TriHydro	-	148.41	-	4	-	-	-	-	74	104	106.45	106	-	-	-	-	42	42	Bloomfield	Versar (2000)
MW-106A	2/20/2006	N&M	152.50	152.17	8	4	0.02	27	82	110	83	110	110	110	70	42	69	42	42	42	Bloomfield	Well completion report
MW-107	12/1995	TriHydro	-	148.93	-	4	-	-	-	-	75	105	107.55	108	-	-	-	-	41	41	Bloomfield	Versar (2000)
MW-107A	2/20/2006	N&M	146.70	146.28	8	4	0.02	27	82	110	83	110	110	110	64	36	63	36	36	36	Bloomfield	Well completion report
MW-201	9/10/1985	IT	134.94	132.91	12	4	-	30	66	103	72	102	102	103	67	30	61	31	31	30	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-202	9/23/1985	IT	139.97	127.89	16	4	-	30	58	105	63	93	93	105	70	23	65	35	35	23	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-203	9/13/1985	IT	143.40	143.02	12	4	-	30	64.7	107	77	107	107	119	78	36	66	36	36	24	Bloomfield	IT (1986); Versar (2000); ARCADIS (2003)
MW-204	9/19/1985	IT	142.44	140.14	12	4	-	30	67.5	105	73.3	103.3	103.3	105	73	35	67	37	37	35	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-205	9/14/1985	IT	139.71	138.04	12	4	-	30	65.5	103	69.5	99.5	99.5	104.5	73	35	69	39	39	34	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-206[2]	9/18/1985	IT	-	129.93	-	4	-	30	62.5	104	71	101	101	104	67	26	59	29	29	26	Lakeland	IT (1986); Versar (2000); ARCADIS (2003)
MW-501	6/9/1986	IT	-	128.70	-	4	-	30	-	-	71	101	101	107	-	-	58	28	-	22	Lakeland	IT (1986); Versar (2000); ARCADIS (2003)
MW-501A	3/1999	ATC	129.98	-	-	4	-	-	-	-	75	95	95	95	-	-	-	-	-	35	Lakeland	Versar (2000); measured well depth
MW-502	6/11/1986	IT	130.29	128.30	-	4	-	30	-	-	74	104	104	104	-	-	54	24	-	24	Lakeland	IT (1986); Versar (2000); ARCADIS (2003)
MW-503	6/13/1986	IT	-	131.43	-	4	-	30	-	-	80.5	110.5	110.5	111	-	-	51	21	-	20	Lakeland	IT (1986); Versar (2000); ARCADIS (2003)
MW-503B	1/1999	Versar	131.86	129.96	-	4	-	-	-	-	69	109	109	109	-	-	-	-	-	21	Lakeland	Versar (2000); measured well depth
MW-504	6/18/1986	IT	-	134.51	-	4	-	50	-	-	58	118	-	118	-	-	77	17	-	17	Refinery	IT (1986); Versar (2000); ARCADIS (2003)
MW-600	8/15/1990	ENSR	-	120.05	-	4	-	30	-	-	78	108	108	110	-	-	42	12	-	10	MSH	IT (1986); Versar (2000); ARCADIS (2003)
MW-600A	6/1999	Versar	123.41	120.34	-	4	-	-	-	-	-	-	-	100	-	-	-	-	-	20	MSH	Versar (2000); measured well depth
MW-601	8/17/1990	ENSR	-	125.03	-	4	-	30	-	-	85	115	115	117	-	-	40	10	-	8	MSH	IT (1986); Versar (2000); ARCADIS (2003)
MW-601A	6/1999	Versar	127.06	126.53	-	4	-	-	-	-	65	100	100	100	-	-	-	-	-	27	MSH	Versar (2000); measured well depth
MW-603	12/1995	TriHydro	119.86	118.54	-	4	-	-	-	-	70	100	100	100	-	-	-	-	-	19	MSH	Versar (2000); measured well depth
MW-604	12/1995	TriHydro	139.25	138.16	-	4	-	-	-	-	73	103	103	103	-	-	-	-	-	35	MSH	Versar (2000); measured well depth
MW-605	12/1995	TriHydro	115.33	114.54	-	4	-	-	-	-	65	95	95	95	-	-	-	-	-	20	MSH	Versar (2000); measured well depth
MW-606	12/1995	TriHydro	114.54	113.89	-	4	-	-	-	-	70	100	100	100	-	-	-	-	-	14	MSH	Versar (2000); measured well depth
MW-607	12/1995	TriHydro	127.00	126.03	-	4	-	-	-	-	77	107	107	107	-	-	-	-	-	19	MSH	Versar (2000); measured well depth
W-1	12/1995	TRC	144.12	142.89	-	4	-	-	-	-	70	129	129	130	-	-	-	-	-	13	Walker	IT (1986); Versar (2000)
W-2[2]	12/1995	TRC	-	139.11	-	4	-	-	-	-	84	129	129	129	-	-	-	-	-	-	Walker	IT (1986); Versar (2000)
W-3[2]	12/1995	TRC	-	136.11	-	4	-	-	-	-	82	122	122	124	-	-	-	-	-	-	Walker	IT (1986); Versar (2000)
W-3A	-	-	135.75	-	-	4	-	-	-	-	-	-	-	115	-	-	-	-	-	21	Walker	Versar (2000)
W-4	12/1995	TRC	141.72	142.38	-	4	-	20	-	-	580	600	609	-	-	-	-	-	-	-	Walker	IT (1986); Versar (2000)
W-9	8/22/2006	TA	139.67	139.12	8	2	0.01	35	73	111	75	110	110	120.5	66	28	64	29	29	19	Refinery	ARCADIS BBL (2006)
W-10	8/21/2006	TA	140.66	139.99	8	2	0.01	35	73	111	75	110	110	130	67	29	65	30	30	10	Refinery	ARCADIS BBL (2006)
W-11	8/25/2006	TA	138.70	141.29	8	2	0.01	35	73	111	75	110	110	119	68	30	66	31	31	22	Refinery	ARCADIS BBL (2006)
W-12	8/23/2006	TA	142.17	144.42	8	2	0.01	35	75	114	75	114	114	120.5	69	30	69	30	30	24	Refinery	ARCADIS BBL (2006)

Table I
Well Construction Details
Former CENCO Refinery
Santa Fe Springs, CA

Well Installation					Completion Data																Location	Reference(s)
Well ID	Date	By	Elevation[1]		Hole Diameter (in)	Casing Diameter (in)	Screen		Depth (ft)						Elevation[1] (ft)							
			Ground Surface	TOC			Slot	Length	Sand Pack		Slotted		Total Depth		Sand Pack		Slotted		Total Depth			
			(ft)	(ft msl)			(in)	(ft)	Top	Bottom	Top	Bottom	Casing	Hole	Top	Bottom	Top	Bottom	Casing	Hole		
W-14A	1/22/2008-1/30/2008	Boart Longyear	115.20	114.71	9	2	0.02	45	67	112	67	112	112	200	48	3	48	3	3	-85	MSH	ARCADIS (2008)
W-14B			115.20	114.79	9	2	0.02	10	157	167	157	167	167	200	-42	-52	-42	-52	-52	-85		
W-14C			115.20	114.80	9	2	0.02	10	185	195	185	195	195	200	-70	-80	-70	-80	-80	-85		
W-15A	11/27/2007-12/10/2007	Cascade Drilling, Inc.	127.93	127.60	10	2	0.02	45	78	126	80	125	125	200	50	2	48	3	3	-72	MSH	ARCADIS (2008)
W-15B			127.93	127.62	10	2	0.02	10	143	156	145	155	155	200	-15	-28	-17	-27	-27	-72		
W-15C			127.93	127.62	10	2	0.02	10	188	200	190	200	200	200	-60	-72	-62	-72	-72	-72		
W-16A	10/24/2007-10/30/2007	Cascade Drilling, Inc.	147.90	147.61	10	2	0.02	45	76	125	78	123	123	200	72	23	70	25	25	-52	Walker	ARCADIS (2008)
W-16B			147.90	147.68	10	2	0.02	10	143	156	152	162	162	200	5	-8	-4	-14	-14	-52		
W-16C			147.90	147.67	10	2	0.02	10	184	200	186	196	196	200	-36	-52	-38	-48	-48	-52		
W-17A	1/31/2008-2/8/2008	Boart Longyear	141.56	141.37	9	2	0.02	45	63	108	63	108	108	200	78	33	78	33	33	-59	Refinery	ARCADIS (2008)
W-17B			141.56	141.34	9	2	0.02	10	159	169	159	169	169	200	-18	-28	-18	-28	-28	-59		
W-17C			141.56	141.34	9	2	0.02	10	190	200	190	200	200	200	-49	-59	-49	-59	-59	-59		
Groundwater Production Wells																						
W-7	-	-	-	-	-	-	-	80	-	-	450	530	690	-	-	-	-	-	-	-	Refinery	IT (1986)
					-	-	-	90	-	-	600	690	-	-	-	-	-	-	-	-	Refinery	
W-8	-	-	-	-	-	-	-	-	-	-	-	-	994	-	-	-	-	-	-	-	Refinery	

NOTES:

Sources: IT, 1986; Versar, 2000; Arcadis, 2003, 2006, 2008, and 2009; Dan Herlihy Environmental Services, 2006 (as shown).

[1]Survey by BLC Surveying and BBL, Inc. Benchmark No. 13-15290 City of Los Angeles

[2]Well abandoned

ft	Feet
in	Inches
MSH	Metropolitan State Hospital Property
msl	Mean sea level
TA	Test America Drilling
TOC	Top of casing

Table II
Summary of Groundwater Level Measurements
Former CENCO Refinery
Santa Fe Springs, CA
2nd Quarter 2010

Well ID	Date	Total Depth (ft)	Depth to Groundwater (ft)	Depth To FPPH (ft)	FPPH Thickness (ft)	Top of Casing Elevation (ft amsl)	Groundwater Elevation (ft amsl)
EW-1	5/7/2010	NM	104.37	103.66	**0.71**	144.78	40.41
MW-101	5/7/2010	91.54	DRY	NA	0.00	135.23	NA
MW-103	5/7/2010	94.70	DRY	NA	0.00	136.95	NA
MW-104A	5/7/2010	100.08	93.12	NA	0.00	143.39	50.27
MW-105	5/7/2010	100.47	DRY	NA	0.00	138.63	NA
MW-106A	5/7/2010	110.00	105.00	NA	0.00	152.51	47.51
MW-107A	5/7/2010	109.49	102.36	NA	0.00	146.71	44.35
MW-201	5/7/2010	101.60	DRY	NA	0.00	132.91	NA
MW-202	5/7/2010	92.55	DRY	NA	0.00	137.89	NA
MW-203	5/7/2010	102.30	DRY	NA	0.00	143.43	NA
MW-204	5/7/2010	103.10	DRY	NA	0.00	142.18	NA
MW-205	5/7/2010	98.27	DRY	NA	0.00	138.04	NA
MW-501A	5/7/2010	93.27	DRY	NA	0.00	128.70	NA
MW-502	5/7/2010	100.59	DRY	NA	0.00	128.30	NA
MW-503B	5/7/2010	108.67	105.70	NA	0.00	129.96	24.26
MW-504	5/7/2010	95.76	DRY	NA	0.00	134.51	NA
MW-600A	5/7/2010	92.70	DRY	NA	0.00	120.34	NA
MW-601A	5/7/2010	89.90	DRY	NA	0.00	126.53	NA
MW-603	5/7/2010	97.60	DRY	NA	0.00	118.54	NA
MW-604	5/7/2010	103.20	DRY	NA	0.00	138.16	NA
MW-605	5/7/2010	93.98	DRY	NA	0.00	114.54	NA
MW-606	5/7/2010	99.05	DRY	NA	0.00	113.89	NA
MW-607	5/7/2010	107.05	DRY	NA	0.00	126.03	NA
W-1	5/7/2010	129.61	110.17	NA	0.00	142.89	32.72
W-10	5/7/2010	110.21	102.98	NA	0.00	139.99	37.01
W-11	5/7/2010	NM	107.31	106.70	**0.61**	141.29	33.98
W-12	5/7/2010	116.10	107.85	NA	0.00	144.42	36.57
W-14 A	5/7/2010	111.85	98.37	NA	0.00	114.71	16.34
W-14 B	5/7/2010	112.09	96.90	NA	0.00	114.79	17.89
W-14 C	5/7/2010	166.57	97.17	NA	0.00	114.80	17.63
W-15 A	5/7/2010	125.70	115.16	NA	0.00	127.60	12.44
W-15 B	5/7/2010	155.60	115.12	NA	0.00	127.62	12.50
W-15 C	5/7/2010	197.34	115.07	NA	0.00	127.62	12.55
W-16 A	5/7/2010	123.12	112.22	NA	0.00	147.61	35.39
W-16 B	5/7/2010	160.25	121.22	NA	0.00	147.68	26.46
W-16 C	5/7/2010	196.30	120.57	NA	0.00	147.67	27.10
W-17 A	5/7/2010	108.30	101.58	NA	0.00	141.37	39.79
W-17 B	5/7/2010	169.60	109.40	NA	0.00	141.34	31.94
W-17 C	5/7/2010	200.00	109.49	NA	0.00	141.34	31.85
W-3A	5/7/2010	111.73	NA	111.61*	**0.12***	NM	NA
W-4	5/7/2010	129.71	111.90	NA	0.00	142.38	30.48
W-7	5/7/2010	NM	98.05	NA	0.00	NM	NA
W-8	5/7/2010	NM	79.29	NA	0.00	NM	NA
W-9	5/7/2010	110.37	91.82	NA	0.00	139.12	47.30

NOTES:

ft	Feet
FPPH	Free-phase petroleum hydrocarbon
amsl	Above mean sea level
NM	Not measured, inaccessible
NA	Not applicable
*	Petroleum detected by oil/water interface probe in well bottom, however, well is actually dry

Table III
Summary of TPHg Concentrations
Former Cenco Refinery
Santa Fe Springs, CA
2nd Quarter 2010

Well ID	TPHg (ug/L)	Sampling Date
EW-1	NS-FP	N/A
MW-101	NS-DRY	N/A
MW-103	NS-DRY	N/A
MW-104A	ND<50	5/11/2010
MW-105	NS-DRY	N/A
MW-106A	460	5/13/2010
MW-107A	1,500	5/13/2010
MW-107A (Duplicate)	1,100	5/13/2010
MW-201	NS-DRY	N/A
MW-202	NS-DRY	N/A
MW-203	NS-DRY	N/A
MW-204	NS-DRY	N/A
MW-205	NS-DRY	N/A
MW-501A	NS-DRY	N/A
MW-502	NS-DRY	N/A
MW-503B	2,900	5/17/2010
MW-504	NS-DRY	N/A
MW-600A	NS-DRY	N/A
MW-601A	NS-DRY	N/A
MW-603	NS-DRY	N/A
MW-604	NS-DRY	N/A
MW-605	NS-DRY	N/A
MW-606	NS-DRY	N/A
MW-607	NS-DRY	N/A
W-1	260	5/13/2010
W-3A	NS-DRY	N/A
W-4	700	5/13/2010
W-7	60	5/17/2010
W-8	200	5/17/2010
W-8 (Duplicate)	210	5/17/2010
W-9	80	5/12/2010
W-10	9,500	5/17/2010
W-10 (Duplicate)	10,000	5/17/2010
W-11	NS-FP	N/A
W-12	610	5/12/2010
W-14A	ND<50	5/10/2010
W-14B	99	5/10/2010
W-14C	120	5/10/2010
W-15A	260	5/10/2010
W-15B	230	5/11/2010
W-15C	ND<50	5/11/2010

Table III
Summary of TPHg Concentrations
Former Cenco Refinery
Santa Fe Springs, CA
2nd Quarter 2010

Well ID	TPHg (ug/L)	Sampling Date
W-16A	110	5/14/2010
W-16B	60	5/14/2010
W-16C	63	5/14/2010
W-17A	110	5/12/2010
W-17B	54	5/12/2010
W-17C	ND<50	5/12/2010

Notes:

ug/L micrograms per liter
ND< Not detected above the laboratory detection limit
NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA
2nd Quarter 2010

			EW-1	MW-101	MW-103	MW-104A	MW-105	MW-106A	MW-107A		MW-201	MW-202	MW-203	MW-204
		Sampling Date:	**NS-FP**	**NS-DRY**	**NS-DRY**	**5/11/2010**	**NS-DRY**	**5/13/2010**	**5/13/2010**		**NS-DRY**	**NS-DRY**	**NS-DRY**	**NS-DRY**
Analyte	**Detection Limit (ug/L)**	**MCL**								Duplicate				
Benzene	0.5	1.00				ND		**8.6**	**7.6**	**8.8**				
n -Butylbenzene	1.0	NA				ND		ND	ND	ND				
sec -Butylbenzene	1.0	NA				ND		ND	2.7	3.4				
tert -Butylbenzene	1.0	NA				ND		ND	ND	ND				
Chlorobenzene	1.0	NA				ND		ND	ND	ND				
Chloroethane	1.0	NA				ND		ND	ND	ND				
Chloromethane	1.0	NA				ND		ND	ND	ND				
1,1-Dichloroethane	1.0	5				ND		ND	ND	ND				
1,2-Dichloroethane	0.5	0.5				ND		ND	ND	ND				
1,1-Dichloroethene	1.0	6				ND		ND	ND	ND				
cis -1,2-Dichloroethene	1.0	6				3.2		ND	4.8	5.9				
trans -1,2-Dichloroethene	1.0	10				ND		2.0	4.7	5.9				
1,2-Dichloropropane	1.0	5				ND		ND	ND	ND				
Ethylbenzene	0.5	300				ND		ND	4.1	4.2				
Isopropylbenzene	1.0	NA				ND		4.3	15	20				
p -Isopropyltoluene	1.0	NA	NS-FP	NS-DRY	NS-DRY	ND	NS-DRY	ND	ND	ND	NS-DRY	NS-DRY	NS-DRY	NS-DRY
Methylene Chloride	1.0	5				ND		ND	ND	ND				
Naphthalene	1.0	NA				ND		ND	3.3	ND				
n -Propylbenzene	1.0	NA				ND		1.0	12	16				
Tetrachloroethene	1.0	5				ND		ND	ND	ND				
Toluene	0.5	150				ND		ND	11	11				
Trichloroethene	1.0	5				ND		ND	4.5	4.8				
Trichlorofluoromethane	1.0	150				ND		ND	ND	ND				
1,2,4-Trimethylbenzene	1.0	NA				ND		ND	2.0	ND				
1,3,5-Trimethylbenzene	1.0	NA				ND		ND	ND	ND				
Vinyl Chloride	1.0	0.5				ND		**21**	ND	ND				
p/m -Xylenes	1.0	1,750				ND		ND	16	15				
o -Xylene	0.5	1,750				ND		ND	2	ND				
Xylenes, total	1.0	1,750				ND		ND	18	15				
Diisopropyl Ether (DIPE)	2.0	NA				ND		ND	ND	ND				
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13				ND		ND	4.7	ND				
tert -Butyl Alcohol (TBA)	1.0	NA				ND		ND	ND	ND				

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA
2nd Quarter 2010

Analyte	Detection Limit (ug/L)	MCL	MW-205	MW-501A	MW-502	MW-503B	MW-504	MW-600A	MW-601A	MW-603	MW-604	MW-605	MW-606	MW-607	W-1
		Sampling Date:	NS-DRY	NS-DRY	NS-DRY	5/17/2010	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	5/13/2010
Benzene	0.5	1.00				**91**									**9.3**
n -Butylbenzene	1.0	NA				ND									ND
sec -Butylbenzene	1.0	NA				12									ND
tert -Butylbenzene	1.0	NA				1.8									ND
Chlorobenzene	1.0	NA				ND									ND
Chloroethane	1.0	NA				ND									ND
Chloromethane	1.0	NA				ND									ND
1,1-Dichloroethane	1.0	5				ND									ND
1,2-Dichloroethane	0.5	0.5				1.6									ND
1,1-Dichloroethene	1.0	6				ND									ND
cis -1,2-Dichloroethene	1.0	6				ND									ND
trans -1,2-Dichloroethene	1.0	10				ND									ND
1,2-Dichloropropane	1.0	5				ND									ND
Ethylbenzene	0.5	300				1.2									ND
Isopropylbenzene	1.0	NA				35									4.9
p -Isopropyltoluene	1.0	NA	NS-DRY	NS-DRY	NS-DRY	ND	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	ND
Methylene Chloride	1.0	5				ND									ND
Naphthalene	1.0	NA				1.4									ND
n -Propylbenzene	1.0	NA				44									2.1
Tetrachloroethene	1.0	5				ND									ND
Toluene	0.5	150				1.0									ND
Trichloroethene	1.0	5				ND									ND
Trichlorofluoromethane	1.0	150				ND									ND
1,2,4-Trimethylbenzene	1.0	NA				ND									ND
1,3,5-Trimethylbenzene	1.0	NA				ND									ND
Vinyl Chloride	1.0	0.5				**5.7**									**1.2**
p/m -Xylenes	1.0	1,750				ND									ND
o -Xylene	0.5	1,750				ND									ND
Xylenes, total	1.0	1,750				0									ND
Diisopropyl Ether (DIPE)	2.0	NA				ND									ND
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13				5.1									ND
tert -Butyl Alcohol (TBA)	1.0	NA				ND									ND

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA
2nd Quarter 2010

			W-3A	W-4	W-7	W-8	W-8	W-9	W-10		W-11	W-12	W-14A	W-14B	W-14C
		Sampling Date:	**NS-FP**	**5/13/2010**	**5/17/2010**	**5/17/2010**		**5/12/2010**	**5/17/2010**		**NS-FP**	**5/12/2010**	**5/10/2010**	**5/10/2010**	**5/10/2010**
Analyte	**Detection Limit (ug/L)**	**MCL**					Duplicate			Duplicate					
Benzene	0.5	1.00		**4.3**	ND	ND	ND	ND	**3900**	**2900**		ND	ND	ND	0.58
n -Butylbenzene	1.0	NA		ND	ND	ND	ND	ND	2.0	ND		5.8	ND	ND	ND
sec -Butylbenzene	1.0	NA		1.3	ND	ND	ND	ND	2.5	2.8		3.7	ND	ND	ND
tert -Butylbenzene	1.0	NA		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Chlorobenzene	1.0	NA		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Chloroethane	1.0	NA		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Chloromethane	1.0	NA		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,1-Dichloroethane	1.0	5		ND	1.9	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,2-Dichloroethane	0.5	0.5		ND	ND	ND	ND	ND	**2.7**	**4.2**		ND	ND	ND	ND
1,1-Dichloroethene	1.0	6		ND	ND	ND	ND	ND	ND	ND		ND	ND	**6.0**	ND
cis -1,2-Dichloroethene	1.0	6		3.1	ND	ND	ND	2.8	ND	ND		ND	1.9	**6.2**	**13**
trans -1,2-Dichloroethene	1.0	10		ND	ND	ND	ND	ND	ND	ND		ND	ND	1.1	2.0
1,2-Dichloropropane	1.0	5		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Ethylbenzene	0.5	300		ND	ND	ND	ND	ND	230	160		3.0	ND	ND	ND
Isopropylbenzene	1.0	NA		12	ND	ND	ND	ND	16	19		5.8	ND	ND	ND
p -Isopropyltoluene	1.0	NA		ND	ND	ND	ND	ND	1.3	1.4		ND	ND	ND	ND
Methylene Chloride	1.0	5	NS-DRY	ND	ND	ND	ND	ND	ND	ND	NS-FP	ND	ND	ND	ND
Naphthalene	1.0	NA		ND	2.3	ND	ND	ND	130	110		2.1	ND	ND	ND
n -Propylbenzene	1.0	NA		10	ND	ND	ND	ND	20	24		15	ND	ND	ND
Tetrachloroethene	1.0	5		ND	ND	ND	ND	ND	ND	ND		ND	ND	1.2	ND
Toluene	0.5	150		ND	ND	ND	0.5	ND	7.4	10		ND	ND	ND	ND
Trichloroethene	1.0	5		ND	ND	ND	ND	ND	ND	ND		ND	ND	**32**	4.1
Trichlorofluoromethane	1.0	150		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.0	NA		ND	ND	ND	ND	ND	70	82		ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.0	NA		ND	ND	ND	ND	ND	13	14		ND	ND	ND	ND
Vinyl Chloride	1.0	0.5		**5.4**	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
p/m -Xylenes	1.0	1,750		ND	ND	ND	ND	ND	280	180		ND	ND	ND	ND
o -Xylene	0.5	1,750		ND	0.51	ND	ND	ND	1.9	1.7		ND	ND	ND	ND
Xylenes, total	1.0	1,750		ND	0.51	ND	ND	ND	281.9	181.7		ND	ND	ND	ND
Diisopropyl Ether (DIPE)	2.0	NA		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
tert -Butyl Alcohol (TBA)	1.0	NA		ND	ND	ND	ND	ND	ND	15		ND	ND	ND	ND

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA
2nd Quarter 2010

Analyte	Detection Limit (ug/L)	MCL	W-15A	W-15B	W-15C	W-16A	W-16B	W-16C	W-17A	W-17B	W-17C
		Sampling Date:	5/10/2010	5/11/2010	5/11/2010	5/14/2010	5/14/2010	5/14/2010	5/12/2010	5/12/2010	5/12/2010
Benzene	0.5	1.00	**1.5**	**20**	ND	ND	**3.0**	**1.3**	**1.1**	ND	ND
n -Butylbenzene	1.0	NA	ND	1.1	ND	ND	ND	ND	ND	ND	ND
sec -Butylbenzene	1.0	NA	ND	2.4	ND	ND	ND	ND	ND	ND	ND
tert -Butylbenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	5	ND	ND	ND	ND	ND	1.2	ND	ND	ND
1,2-Dichloroethane	0.5	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1.0	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis -1,2-Dichloroethene	1.0	6	ND	ND	1.6	ND	3.0	3.8	4.2	ND	ND
trans -1,2-Dichloroethene	1.0	10	ND	ND	ND	ND	1.0	ND	ND	ND	ND
1,2-Dichloropropane	1.0	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.5	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.0	NA	3.2	16	ND	ND	ND	ND	ND	ND	ND
p -Isopropyltoluene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.0	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
n -Propylbenzene	1.0	NA	4.7	18	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.0	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.5	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.0	5	ND	ND	1.1	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1.0	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m -Xylenes	1.0	1,750	ND	1.8	ND	ND	ND	ND	ND	ND	ND
o -Xylene	0.5	1,750	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	1.0	1,750	ND	1.8	ND	ND	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	2.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13	**85**	**17**	ND	ND	ND	ND	ND	ND	ND
tert -Butyl Alcohol (TBA)	1.0	NA	ND	36	ND	ND	ND	ND	ND	ND	ND

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table V
Summary of Hexavalent Chromium Concentration
Former Cenco Refinery
Santa Fe Springs, CA
2nd Quarter 2010

Well ID	Cr^{+6} (ug/L)	Sampling Date
EW-1	NS-FP	N/A
MW-101	NS-DRY	N/A
MW-103	NS-DRY	N/A
MW-104A	ND<1.0	5/11/2010
MW-105	NS-DRY	N/A
MW-106A	ND<1.0	5/13/2010
MW-107A	ND<1.0	5/13/2010
MW-107A (Duplicate)	ND<1.0	5/13/2010
MW-201	NS-DRY	N/A
MW-202	NS-DRY	N/A
MW-203	NS-DRY	N/A
MW-204	NS-DRY	N/A
MW-205	NS-DRY	N/A
MW-501A	NS-DRY	N/A
MW-502	NS-DRY	N/A
MW-503B	ND<1.0	5/17/2010
MW-504	NS-DRY	N/A
MW-600A	NS-DRY	N/A
MW-601A	NS-DRY	N/A
MW-603	NS-DRY	N/A
MW-604	NS-DRY	N/A
MW-605	NS-DRY	N/A
MW-606	NS-DRY	N/A
MW-607	NS-DRY	N/A
W-1	ND<1.0	5/13/2010
W-3A	NS-DRY	N/A
W-4	ND<1.0	5/13/2010
W-7	ND<1.0	5/17/2010
W-8	ND<1.0	5/17/2010
W-8 (Duplicate)	ND<1.0	5/17/2010
W-9	ND<1.0	5/12/2010
W-10	ND<1.0	5/17/2010
W-10 (Duplicate)	ND<1.0	5/17/2010
W-11	NS-FP	N/A
W-12	ND<1.0	5/12/2010
W-14A	ND<1.0	5/10/2010
W-14B	ND<1.0	5/10/2010
W-14C	ND<1.0	5/10/2010
W-15A	ND<1.0	5/10/2010
W-15B	ND<1.0	5/11/2010

Table V
Summary of Hexavalent Chromium Concentration
Former Cenco Refinery
Santa Fe Springs, CA
2nd Quarter 2010

Well ID	Cr^{+6} (ug/L)	Sampling Date
W-15C	ND<1.0	5/11/2010
W-16A	ND<1.0	5/14/2010
W-16B	ND<1.0	5/14/2010
W-16C	ND<1.0	5/14/2010
W-17A	ND<1.0	5/12/2010
W-17B	ND<1.0	5/12/2010
W-17C	ND<1.0	5/12/2010

Notes:

ug/L micrograms per liter
ND< Not detected above the laboratory detection limit
NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)

Table VI
Summary of Biodegradation Parameters
Former Cenco Refinery
Santa Fe Springs, California
2nd Quarter 2010

Well ID	Sample ID	Sample Date	Laboratory Analytical Methods					Field Test Methods		
			Methane (mg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L as $CaCO_3$)	Ferrous Iron (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)
MW-101	NS - Dry	-	-	-	-	-	-	-	-	-
MW-103	NS - Dry	-	-	-	-	-	-	-	-	-
MW-104A	LL_MW104A_051110_01	5/11/2010	**0.814**	ND	**78.4**	**790**	**0.126**	8.06	NM	19
MW-105	NS - Dry	-	-	-	-	-	-	-	-	-
MW-106A	LL_MW106A_051310_01	5/13/2010	NA	NA	NA	NA	NA	8.06	7.90	-38
MW-107A	LL_MW107A_051310_01	5/13/2010	NA	NA	NA	NA	NA	8.30	NA	-370
MW-107A	LL_MW107A_051310_02	5/13/2010	NA	NA	NA	NA	NA	NM	NM	NM
MW-201	NS - Dry	-	-	-	-	-	-	-	-	-
MW-202	NS - Dry	-	-	-	-	-	-	-	-	-
MW-203	NS - Dry	-	-	-	-	-	-	-	-	-
MW-204	NS - Dry	-	-	-	-	-	-	-	-	-
MW-205	NS - Dry	-	-	-	-	-	-	-	-	-
MW-501A	NS - Dry	-	-	-	-	-	-	-	-	-
MW-502	NS - Dry	-	-	-	-	-	-	-	-	-
MW-503B	LL_MW503B_051710_01	5/17/2010	**9.98**	ND	**7.19**	**760**	**2.61**	8.18	1.79	-69
MW-504	NS - Dry	-	-	-	-	-	-	-	-	-
MW-600A	NS - Dry	-	-	-	-	-	-	-	-	-
MW-601A	NS - Dry	-	-	-	-	-	-	-	-	-
MW-603	NS - Dry	-	-	-	-	-	-	-	-	-
MW-604	NS - Dry	-	-	-	-	-	-	-	-	-
MW-605	NS - Dry	-	-	-	-	-	-	-	-	-
MW-606	NS - Dry	-	-	-	-	-	-	-	-	-
MW-607	NS - Dry	-	-	-	-	-	-	-	-	-
W-1	LL_W1_051310_01	5/13/2010	NA	NA	NA	NA	NA	8.07	2.02	-197
W-4	LL_W4_051310_01	5/13/2010	NA	NA	NA	NA	NA	8.00	3.87	-66
W-3A	NS - Dry	-	-	-	-	-	-	-	-	-
W-7	LL_W7_051710_01	5/17/2010	NA	NA	NA	NA	NA	NM	NM	NM
W-8	LL_W8_051710_01	5/17/2010	NA	NA	NA	NA	NA	NM	NM	NM
W-8	LL_W8_051710_02	5/17/2010	NA	NA	NA	NA	NA	NM	NM	NM
W-9	LL_W9_051210_01	5/12/2010	NA	NA	NA	NA	NA	8.07	7.15	-175

Table VI
Summary of Biodegradation Parameters
Former Cenco Refinery
Santa Fe Springs, California
2nd Quarter 2010

Well ID	Sample ID	Sample Date	Laboratory Analytical Methods					Field Test Methods		
			Methane (mg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L as $CaCO_3$)	Ferrous Iron (mg/L)	pH (SU)	DO (mg/L)	ORP (mV)
W-10	LL_W10_051710_01	5/17/2010	NA	NA	NA	NA	NA	NM	NM	NM
W-10	LL_W10_051710_02	5/17/2010	NA	NA	NA	NA	NA	NM	NM	NM
W-11	NS - FP	-	-	-	-	-	-	-	-	-
W-12	LL_W12_051210_01	5/12/2010	NA	NA	NA	NA	NA	7.87	NA	-180
MW-14A	LL_MW14A_051010_01	5/10/2010	NA	NA	NA	NA	NA	8.63	2.74	2
MW-14B	LL_MW14B_051010_01	5/10/2010	NA	NA	NA	NA	NA	8.43	3.00	-172
MW-14C	LL_MW14C_051010_01	5/10/2010	NA	NA	NA	NA	NA	8.17	0.80	-77
MW-15A	LL_MW15A_051010_01	5/10/2010	NA	NA	NA	NA	NA	7.90	NA	-228
MW-15B	LL_MW15B_051110_01	5/11/2010	NA	NA	NA	NA	NA	8.09	4.36	-15
MW-15C	LL_MW15C_051110_01	5/11/2010	NA	NA	NA	NA	NA	8.16	4.73	-21
MW-16A	LL_MW16A_051410_01	5/14/2010	NA	NA	NA	NA	NA	8.28	2.23	-54
MW-16B	LL_MW16B_051410_01	5/14/2010	NA	NA	NA	NA	NA	8.62	0.77	-310
MW-16C	LL_MW16C_051410_01	5/14/2010	NA	NA	NA	NA	NA	8.68	NA	-295
W-17A	LL_W17A_051210_01	5/12/2010	NA	NA	NA	NA	NA	8.25	0.88	-40
W-17B	LL_W17B_051210_01	5/12/2010	NA	NA	NA	NA	NA	8.35	NA	-313
W-17C	LL_W17C_051210_01	5/12/2010	NA	NA	NA	NA	NA	8.49	3.03	-322
EW-1	NS - FP	-	-	-	-	-	-	-	-	-

Notes:

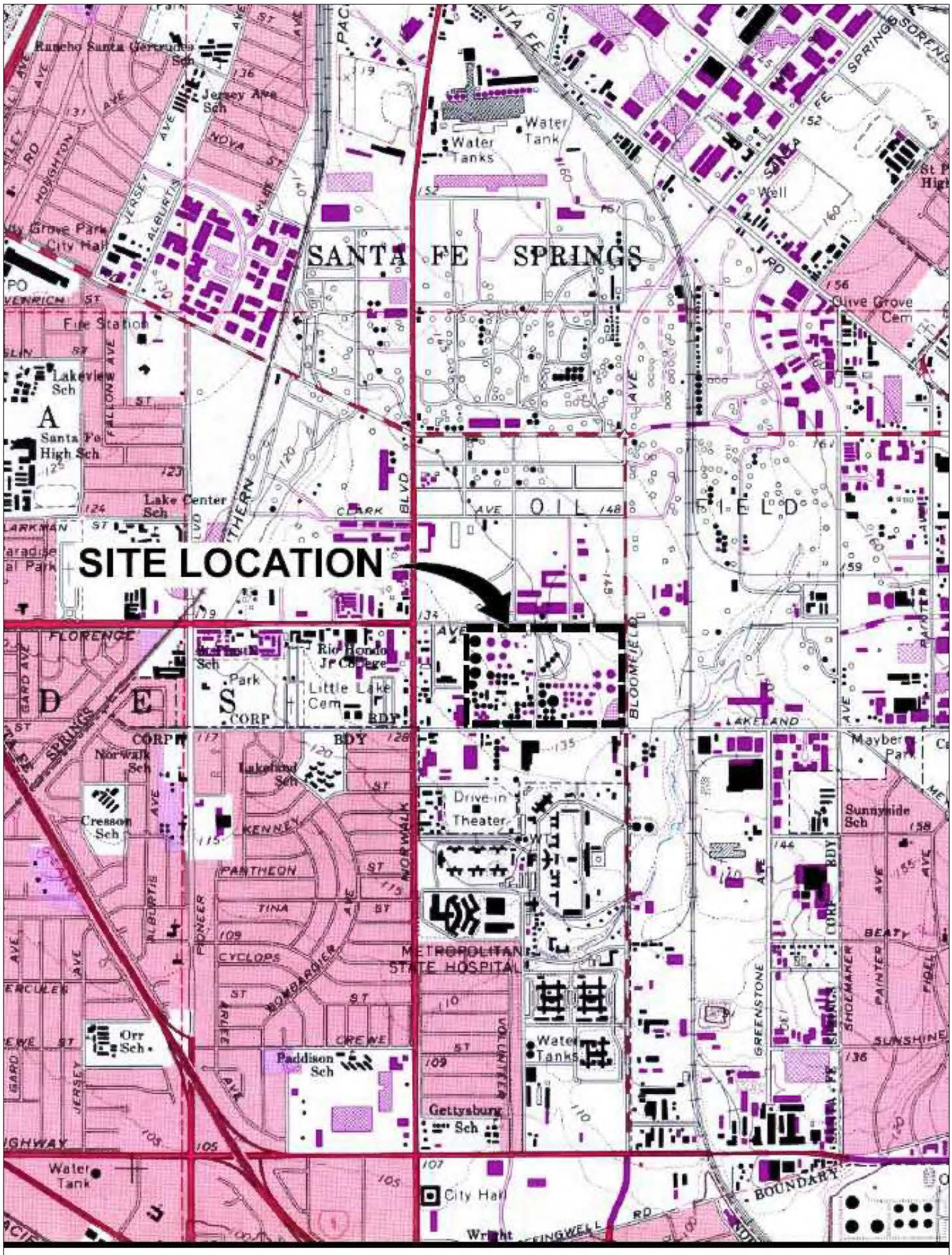
Methane by U S. Environmental Protection Agency (EPA) Method RSK-175M

Nitrate (as N) and sulfate by EPA Method 300 0

Total alkalinity (as calcium carbonate [$CaCO_3$]) by Standard Method 2320B

Ferrous iron by Standard Method 3500-FeD

NA	not analyzed
NS - I	not sampled - well inaccessible
NS - FP	not sampled - free product present
NS - Dry	not sampled - well is dry
DO	dissolved oxygen
mg/L	milligram(s) per liter
mV	millivolts
ND	not detected at the indicated reporting limit
ORP	oxidation-reduction potential
SU	standard units



SOURCE OF BASE MAP
U.S. GEOLOGICAL SURVEY, 7.5 MIN QUAD., WHITTIER, CA. 1965, PHOTOREVISED 1981

N
W E
S

CENCO REFINING COMPANY
12345 LAKELAND ROAD
SANTA FE SPRINGS, CALIFORNIA

SITE LOCATION MAP

MUREX environmental, inc

FIGURE
1

DRAWN BY: RLM REVISION DATE: 2/02/10

SCALE: NOT TO SCALE

FX-9 Wells

FX-9 Wells

FX-9 Wells

FX-9 Wells

Appendix A

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. EW-1 Walker
SAMPLED BY: Frane Sosic

WELL NOTES: May have product ✓ yes
WELL CONDITION: OK

WEATHER CONDITIONS: Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI S56
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	* Free Product *	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	Free Product - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO
PROJECT NO.:	1003-001-300
DATE:	5.7.2010

WELL NO.	MW-103	Site
SAMPLED BY:	Frane Sosic / JRS	

WELL NOTES: May Be Dry

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear / sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-104A Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.11.2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	4"	(inches)
DEPTH OF WELL	100.08	(ft.)
DEPTH TO WATER	93.12	(ft.)
HEIGHT OF WATER COLUMN	6.96	(ft.)
CASING VOLUME*	Hgt. x 0.663 Gal./Ft. = 4.5936	(gal)
PURGE VOLUME	x 3 = 13.8	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny (~77°F)/slight wind

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm)	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 14:48 14:51	4		8.17	3.020		N/A	16.00		32	Clear	HC odor
END 15:10	8 *		8.06	3.167		N/A	14.93		19	-//-	-//-
	—		—	—		—	—		—	—	—

* Well went dry after ~8 gal. purge (similar to last Q)

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative
1	15:40	ice	8260B - VOCs + Oxys	VOAs	3	HCL
		ice	8015M - TPH-g	VOAs	3	HCL
		ice	SM 3500-Ferrous Iron	250 Poly	1	Unpreserved
		ice	SM 2320B-Alkalinity	250 Poly	1	Unpreserved
		ice	RSK 175M Methane	VOAs	2	Unpreserved
		ice	300 IC - Sulfate	250 Poly	1	Unpreserved
		ice	300 IC - Nitrate			

NOTES:
Hexavalent Chromium 1 x 250 Poly (unpreserved)

Air-assist used to aide in purging process.
Well went dry during purge.

LL_MW104A_051110_01
15:40

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-105 Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic / JRS
DATE:	5-7-2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA											
Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES: Hexavalent Chromium 1 x 250 Poly (unpreserved)
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	Duplicate DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	Duplicate
		ice	Hexavalent Chromium	Poly	1	None	Duplicate

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-106A Bloomfield
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5-13-2010		

WELL NOTES: Went dry after 12 gal. previous quarter

WELL CONDITION: OK

WEATHER CONDITIONS: Partly cloudy (69-73°F) / wind (5-15 mph)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	4"	(inches)
DEPTH OF WELL	110.0	(ft.)
DEPTH TO WATER	105.0	(ft.)
HEIGHT OF WATER COLUMN	5	(ft.)
CASING VOLUME*	Hgt. x ~~0.163~~ 0.66 Gal./Ft. = 3.3	(gal)
PURGE VOLUME	x 3 = 10 gallons	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 7:49											
8:02	5		8.06	2.844	/	7.90	15.95	/	-38	Light brown	None
	~~10~~										

End 9:35 → Well went dry after approx. 8-gal purge. Will allow to recharge and will return to sample later.

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative
1	15:50	ice	8260B - VOCs + Oxys	VOAs	3	HCL
1		ice	8015M - TPH-g	VOAs	3	HCL
1		ice	Hexavalent Chromium	Poly	1	None

NOTES: Air-assist used in purge. Very slow purge

LL-MW106A-051310-01 @ 15:50

(8:18) Air-assist disconnected due to very little H_2O in well

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-107A Bloomfield
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5·13·2010		

WELL NOTES:

WELL CONDITION: OK

WEATHER CONDITIONS: Clear/sunny (~79°F)/slight wind (5-10mph)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	4"	(inches)
DEPTH OF WELL	109.49	(ft.)
DEPTH TO WATER	102.36	(ft.)
HEIGHT OF WATER COLUMN	7.13	(ft.)
CASING VOLUME*	Hgt. x ~~0.163~~ 0.66 Gal./Ft. = 4.7058	(gal)
PURGE VOLUME	x 3≈ 14	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

	Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO Conser Issue mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 9:48	9:55	5		8.49	2.164	/	/	23.55	/	-352	Cloudy	Strong HC odor
	9:58	10		8.42	2.177	/	/	23.65	/	-351	-11-	-11-
End 10:03	10:01	14		8.30	2.164	/	/	23.44	/	-370	-11-	-11-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preservative	
							① @ 10:20 Hexavalent Chromium 1 x 250 Poly (unpreserved)
1	10:20	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_MW107A_051310_01 @ 10:20
1	10:20	ice	8015M - TPH-g	VOAs	3	HCL	
2	10:45	ice	8260B - VOCs + Oxys	VOAs	3	HCL	Duplicate
2		ice	8015M - TPH-g	VOAs	3	HCL	Duplicate } LL_MW107A_051310_02 @ 10:45
2		ice	Hexavalent Chromium	Poly	1	None	Duplicate

NOTES: Air-assist line connected to able in purging

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-201 Site 2
SAMPLED BY: Frane Sosic / JRS

WELL NOTES:
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI S56
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = $r^2h(ft) \times 7.48$ gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-202 Site
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May Be Dry
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear / sunny

PURGING AND SAMPLING EQUIPMENT:
YSI S56
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO
PROJECT NO.:	1003-001-300
DATE:	5.7.2010

WELL NO.	MW-203	Bloomfield
SAMPLED BY:	Frane Sosic / JRS	

WELL NOTES:

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-204 Site
SAMPLED BY: Frane Sosic / JRS

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-205 Site
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May Be Dry
WELL CONDITION: OK

WEATHER CONDITIONS: Clear/Sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES: Hexavalent Chromium 1 x 250 Poly (unpreserved)
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY- NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	SM 3500-Ferrous Iron	250 Poly	1	Unpreserved	
		ice	SM 2320B-Alkalinity	250 Poly	1	Unpreserved	
		ice	RSK 175M Methane	VOAs	2	Unpreserved	
		ice	300 IC - Sulfate	250 Poly	1	Unpreserved	
		ice	300 IC - Nitrate				

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5·7·2010

WELL NO. MW-501A Lakeland
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May be Dry
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear + sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-502 Lakeland
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May have sheen/product
WELL CONDITION: OK

WEATHER CONDITIONS: Clear / sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.17.2010

WELL NO. MW-503B Lakeland
SAMPLED BY: Frane Sosic

WELL NOTES:
WELL CONDITION:
Not great - no bolts to well lid
Well lid is loose
WEATHER CONDITIONS:
Cloudy/cool (~64°F)/drizzle

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	4"	(inches)
DEPTH OF WELL	108.67	(ft.)
DEPTH TO WATER	105.70	(ft.)
HEIGHT OF WATER COLUMN	2.97	(ft.)
CASING VOLUME*	Hgt. x ~~0.163~~ 0.66 Gal./Ft. = 1.9602	(gal)
PURGE VOLUME	x 3 = 5.88	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Begin 8:47

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color Dark	Odor Strong
8:51	2		8.24	2.060	/	2.90	21.33	/	-118	Murky grey	HC odors!
8:54	4		8.19	2.020		0.63	22.19		-71	-//-	-//-
8:58	6		8.18	2.013		1.79	22.40		-69	-//-	-//-

NOTES: Air-assist line NOT connected for purge

Sample No.	Sample Time	Packing	Analyses	Container	Quantity	Preservative
1	9:20	ice	8260B - VOCs + Oxys	VOAs	3	HCL
		ice	8015M - TPH-g	VOAs	3	HCL
		ice	SM 3500-Ferrous Iron	250 Poly	1	Unpreserved
		ice	SM 2320B-Alkalinity	250 Poly	1	Unpreserved
		ice	RSK 175M Methane	VOAs	2	Unpreserved
		ice	300 IC - Sulfate	250 Poly	1	Unpreserved
		ice	300 IC - Nitrate			

1 Hexavalent Chromium 1 x 250 Poly (unpreserved)

LL_MW503B_051710_01
9:20

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-504 Site 2
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May be dry/may have product
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = $r^2h(ft) \times 7.48$ gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-600A Hospital
SAMPLED BY: Frane Sosic / JRS

Well Notes: May be dry, may have product
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-601A Hospital
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May Be Dry
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-603 Hospital
SAMPLED BY: Frane Sosic / JRS

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-604 Hospital
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May Be Dry
WELL CONDITION: OK

WEATHER CONDITIONS: Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI S56
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-605 Hospital
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May Be Dry
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear / sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES: Hexavalent Chromium 1 x 250 Poly (unpreserved)
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	SM 3500-Ferrous Iron	250 Poly	1	Unpreserved	
		ice	SM 2320B-Alkalinity	250 Poly	1	Unpreserved	
		ice	RSK 175M Methane	VOAs	2	Unpreserved	
		ice	300 IC - Sulfate	250 Poly	1	Unpreserved	
		ice	300 IC - Nitrate				

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO
PROJECT NO.:	1003-001-300
DATE:	5.7.2010

WELL NO.	MW-606 / Hospital
SAMPLED BY:	Frane Sosic / JRS
WELL NOTES:	May Be Dry
WELL CONDITION:	OK
WEATHER CONDITIONS:	Clear/sunny
PURGING AND SAMPLING EQUIPMENT:	YSI 556
	Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES: Hexavalent Chromium 1 x 250 Poly (unpreserved)
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	DRY- NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	SM 3500-Ferrous Iron	250 Poly	1	Unpreserved	
		ice	SM 2320B-Alkalinity	250 Poly	1	Unpreserved	
		ice	RSK 175M Methane	VOAs	2	Unpreserved	
		ice	300 IC - Sulfate	250 Poly	1	Unpreserved	
		ice	300 IC - Nitrate				
		ice	RSK 175M Methane	VOAs	2	Unpreserved	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. MW-607 Hospital
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May Be Dry
WELL CONDITION: OK

WEATHER CONDITIONS: Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI S56
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	DRY	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs & Oxys	VOAs	3	HCL	DRY - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5·13·2010

WELL NO. W-1 Walker
SAMPLED BY: Frane Sosic

WELL NOTES:
WELL CONDITION: OK

WEATHER CONDITIONS: Clear/sunny (~82°F)/wind (5-15 mph)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL	129.61	(ft.)
DEPTH TO WATER	110.17	(ft.)
HEIGHT OF WATER COLUMN	19.44	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 12.8304	(gal)
PURGE VOLUME	x 3 ≈ 38	(gal)
PRODUCT THICKNESS		(ft.)

Begin 14:45

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor Strong
14:49	5		8.27	3.014	/	4.90	24.85	/	-152	Clear	HC odor
14:52	10		8.15	3.028	/	5.00	24.00	/	-179	-"-	-"-
14:55	15		8.16	3.062	/	2.04	24.06	/	-195	-"-	-"-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES: Air-assist line connected
1	15:20	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W1_051310_01 @ 15:20
|	|	ice	8015M - TPH-g	VOAs	3	HCL	
|	|	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

Additional Groundwater Quality Parameters

Page 2 of 2

PROJECT NAME: CENCO

PROJECT NO.: 1003-001-300

DATE: 5-13-2010

WELL NO. W-1

SAMPLED BY: Frane Sosic

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor Strong
14:57	20		8.09	3.076		N/A	24.25		-192	Clear	HC odor
15:00	25		8.15	3.054		-2.72	24.43		-195	-//-	-//-
15:03	30		8.13	3.038		-2.43	24.45		-198	-//-	-//-
15:07	35		8.12	3.069		4.15	24.47		-199	-//-	-//-
15:10	38		8.07	3.036		2.02	24.51		-197	-//-	-//-

End 15:11

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5.7.2010

WELL NO. W-3A Walker
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May have product ✓ yes
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear / sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	* Free Product *	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	FREE PRODUCT - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5-13-2010

WELL NO. W-4 Walker
SAMPLED BY: Frane Sosic

WELL NOTES:
WELL CONDITION:
Not great - lid cannot bolt down any more

WEATHER CONDITIONS:
Clear/sunny (~80°F) / slight wind (5-15 mph)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	4"	(inches)
DEPTH OF WELL	129.71	(ft.)
DEPTH TO WATER	111.90	(ft.)
HEIGHT OF WATER COLUMN	17.81	(ft.)
CASING VOLUME*	Hgt. x ~~0.163~~ 0.66 Gal./Ft. = 11.7546	(gal)
PURGE VOLUME	x 3 ≈ 35	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Begin 11:20

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
11:25	5		8.08	2.780	/	4.19	23.49	/	-183	Clear	None
11:29	10		8.18	2.721		0.70	22.82		-179	-"-	-"-
11:42	15		8.20	2.694		3.03	19.20		-142	-"-	-"-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preservative
1	14:00	ice	8260B - VOCs + Oxys	VOAs	3	HCL
1		ice	8015M - TPH-g	VOAs	3	HCL
1		ice	Hexavalent Chromium	Poly	1	None

NOTES:
Air-assist line connected to aide in purging process
Purge slowed down significantly after ~15 gal.
LL_W4_051310_01 @ 14:00

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

Additional Groundwater Quality Parameters

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PROJECT NAME: CENCO

PROJECT NO.: 1003-001-300

DATE: 5.13.2010

WELL NO. W-4

SAMPLED BY: Frane Sosic

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. µ(S)/cm)	Turbidity NTUs	DO mg/L	Temperature (F/(C))	TDS	ORP µV	Color	Odor
12:06	20		8.19	2.698		4.23	19.25		-102	Clear	None
12:40	25		8.08	2.701		3.75	20.33		-88	-//-	-//-
13:08	30		8.10	2.705		4.11	20.42		-82	-//-	-//-
13:43	35		8.00	2.691		3.87	19.91		-66	-//-	-//-

End 13:45

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-7 Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.17.2010		

WELL NOTES: Deep production well-no purge (sample in any order)

WELL CONDITION: OK

WEATHER CONDITIONS: Cloudy/overcast (~64°F)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL	NO PURGE	(ft.)
DEPTH TO WATER		(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	13:45	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W7_051710_01 @ 13:45
1	↓	ice	8015M - TPH-g	VOAs	3	HCL	
1	↓	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-8 Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.17.2010		

WELL NOTES: Deep production well-no purge (sample in any order)

WELL CONDITION: OK

WEATHER CONDITIONS: Cloudy/cool (~64°F)

PURGING AND SAMPLING EQUIPMENT:
YSI SS6
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	NO PURGE	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	11:30	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W8_051710_01 @ 11:30
1	|	ice	8015M - TPH-g	VOAs	3	HCL	
1	|	ice	Hexavalent Chromium	Poly	1	None	DUPLICATE SAMPLE:
2	12:00	ice					LL_W8_051710_02 @ 12:00
2	12:00	ice					

ADDITIONAL INFORMATION: 2 Hex-Chrome

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-9 Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.12.2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	110.37	(ft.)
DEPTH TO WATER	91.82	(ft.)
HEIGHT OF WATER COLUMN	18.55	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 3.02365	(gal)
PURGE VOLUME	x 3 = 9	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear / sunny / warm

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

	Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP µV	Color	Odor
Begin 795	756	3		8.06	3.196	/	5.02	16.30	/	-155	Cloudy	HC odor
	808	6		7.99	3.220	/	7.31	16.20	/	-163	Clear	-"-
End 823	822	9		8.07	3.220	/	7.15	15.83	/	-175	-"-	-"-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative
1	8:40	ice	8260B - VOCs + Oxys	VOAs	3	HCL
1	/	ice	8015M - TPH-g	VOAs	3	HCL
1	/	ice	Hexavalent Chromium	Poly	1	None

NOTES:
Access issues with W-9 (broken down trucks)

LL_W9_051210_01
8:40

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-10 Site 2
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.17.2010		

WELL NOTES: Slow recharge: purge 1 day prior to event conclusion

WELL CONDITION: OK - missing 1 bolt

WEATHER CONDITIONS: Cloudy/cool (~64°F)/drizzle

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	110.21	(ft.)
DEPTH TO WATER	102.98	(ft.)
HEIGHT OF WATER COLUMN	7.23	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 1.17849	(gal)
PURGE VOLUME	x 3 = 3.5	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Begin 4:48

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
8:04	* 1										
—	3										

→ W-10 went dry at < 1 gallon purged. Will allow to recharge and will sample later.

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preservative	NOTES: Last Q went dry after ~1 gallon
1	14:30	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W10_051710_01 @ 14:30
1	14:30	ice	8015M - TPH-g	VOAs	3	HCL	
2	15:00	ice	8260B - VOCs + Oxys	VOAs	3	HCL	Duplicate } LL_W10_051710_02
2	15:00	ice	8015M - TPH-g	VOAs	3	HCL	Duplicate } 15:00
2	15:00	ice	Hexavalent Chromium	Poly	1	None	Duplicate }

(1) Hexavalent Chromium 1 x 250 Poly (unpreserved)

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME: CENCO
PROJECT NO.: 1003-001-300
DATE: 5·7·2010

WELL NO. W-11 Site 2
SAMPLED BY: Frane Sosic / JRS

WELL NOTES: May have product ✓ yes
WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER		(inches)
DEPTH OF WELL		(ft.)
DEPTH TO WATER	* FREE PRODUCT *	(ft.)
HEIGHT OF WATER COLUMN		(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. =	(gal)
PURGE VOLUME	x 3 =	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F / C)	TDS	ORP	Color	Odor

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
		ice	8260B - VOCs + Oxys	VOAs	3	HCL	Free Product - NOT SAMPLED
		ice	8015M - TPH-g	VOAs	3	HCL	
		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3} 4" well = 0.66 Gal./Foot 2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-12 Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5·12·2010		

WELL NOTES: May Be Dry

WELL CONDITION:
OK (good condition)

WEATHER CONDITIONS:
Clear/sunny (~ 78°F)/windy (10-30 mph)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	116.10	(ft.)
DEPTH TO WATER	107.85	(ft.)
HEIGHT OF WATER COLUMN	8.25	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 1.34475	(gal)
PURGE VOLUME	x 3 = 4.03	(gal)
PRODUCT THICKNESS		(ft.)

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 1500											Very strong
15:05	2		7.94	2.306	/	N/A	22.85	/	-172	Dark Grey	HC odor
End 15:12 15:10	4		7.87	2.323		N/A	22.68		-180	-"-	-"-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	15:30	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W12_051210_01 @ 15:30
1	↓	ice	8015M - TPH-g	VOAs	3	HCL	
1	↓	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-14A Hospital
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5·10·2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	111.85	(ft.)
DEPTH TO WATER	98.37	(ft.)
HEIGHT OF WATER COLUMN	13.48	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 2.19724	(gal)
PURGE VOLUME	x 3 ≅ 6.5 gallons	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Cloudy & cool (~60°F) / slightly windy

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm)	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 7:53											
7:56	2		8.20	2.027	/	0.46	20.59	/	92	Cloudy	HC odor
8:00	4		8.63	2.029	/	0.38	20.06	/	19.8	-//-	-//-
8:04	6		8.63	2.067	/	2.74	20.08	/	2.3	-//-	-//-
End 8:05											

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	8:30	ice	8260B - VOCs & Oxys	VOAs	3	HCL	LL_W14A_051010_01 8:30
1	1	ice	8015M - TPH-g	VOAs	3	HCL	
1	1	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-14B Hospital
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.10.2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	112.09	(ft.)
DEPTH TO WATER	96.90	(ft.)
HEIGHT OF WATER COLUMN	15.19	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 2.47597	(gal)
PURGE VOLUME	x 3 = 7.42	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Partly cloudy / cool (~65°F)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. µ(S/cm)	Turbidity NTUs	DO mg/L	Temperature °C	TDS	ORP mV	Color	Odor
Begin 8:49											
8:56	2		8.50	1.759	/	2.68	18.97	/	-117	Murky grey	HC odor
9:00	4		8.53	2.019		2.80	18.33		-176	Cloudy	-//-
9:10	7		8.43	2.022	/	3.00	18.89	/	-172	-//-	-//-
End 9:11											

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	9:30	ice	8260B - VOCs & Oxys	VOAs	3	HCL	LL_W14B_051010_01
1	/	ice	8015M - TPH-g	VOAs	3	HCL	9:30
1	/	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-14C Hospital
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.10.2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	166.57	(ft.)
DEPTH TO WATER	97.17	(ft.)
HEIGHT OF WATER COLUMN	69.4	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 11.3122	(gal)
PURGE VOLUME	x 3 ≅ 34 gallons	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Partly cloudy/cool (~65°F)/slight wind

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Begin 10:13

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (mS/cm)	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
10:33	5		8.38	1.912	/	2.66	19.17	/	-23	Clear	HC odor
10:50	10		8.40	1.916	/	2.94	18.41	/	-110	-//-	-//-
11:10	15		8.41	1.913	/	3.13	19.43	/	-135	-//-	-//-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative
1	14:15	ice	8260B - VOCs & Oxys	VOAs	3	HCL
1	↓	ice	8015M - TPH-g	VOAs	3	HCL
1	↓	ice	Hexavalent Chromium	Poly	1	None

NOTES: Very slow purge
LL_W14C_051010_01
14:15

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

Additional Groundwater Quality Parameters

Page 2 of 2

PROJECT NAME: CENCO

PROJECT NO.: 1003-001-300

DATE: 5-10-2010

WELL NO. W-14C

SAMPLED BY: Frane Sosic

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. µS/cm)	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
11:31	20		8.38	1.913	/	3.22	19.78	/	-86	Clear	HC odor
13:00	25		8.25	1.929	/	-4.44	20.52	/	-113	-//-	-//-
13:31	30		8.19	1.920	/	2.73	20.76	/	-43	-//-	-//-
14:02	34		8.17	1.920	/	0.80	20.27	/	-77	-//-	-//-

11:47 * Purge put on hold after 20 gal. were purged. This is because very little H_2O started coming up and this would allow well to recharge for 20 - 30 minutes. *

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-15A Hospital
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5-10-2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	125.7	(ft.)
DEPTH TO WATER	115.16	(ft.)
HEIGHT OF WATER COLUMN	10.54	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 1.71802	(gal)
PURGE VOLUME	x 3 = 5.15	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Partly cloudy/cool (~65°F)/slight wind

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Begin 14:55 *

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
15:14	1		7.97	2.552	/	NM**	23.28	/	-182	Murky grey	HC odor
15:20	3		7.92	2.557		-//-	22.51		-223	-//-	-//-
15:28	5		7.90	2.574		-//-	22.39		-228	-//-	-//-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative
1	15:45	ice	8260B - VOCs & Oxys	VOAs	3	HCL
1		ice	8015M - TPH-g	VOAs	3	HCL
1		ice	Hexavalent Chromium	Poly	1	None

NOTES: Very slow purge (as in 1Q2010)
Stinger raised approx. 3-6' to try and vacuum more water from the well (W-15A). Visible silt coming up into vacuum truck knock-out tank.
LL_W15A_051010_01
15:45

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

*Purge stopped @ 14:56 to remove entire stinger to check for any clogs. Bottom portion from 105-115' bgs replaced with new segment of 10' PVC. Slit cut into this new segment.

** DO censor issues

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-15B Hospital
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5-11-2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	155.6	(ft.)
DEPTH TO WATER	115.12	(ft.)
HEIGHT OF WATER COLUMN	40.48	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 6.59824	(gal)
PURGE VOLUME	x 3 ≅ 19.8	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny (~70°F)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. µS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color Murky	Odor
Begin 7:43											
8:02	5		8.25	2.434	/	4.20	18.69	/	-40	Grey	Slight HC odor
8:15	10		8.20	2.424	/	4.13	18.58	/	-60	-"-	-"-
8:37	15		8.17	2.400	/	4.04	18.75	/	-33	Cloudy/clear	-"-
End 9:02 9:00	20		8.09	2.401	/	4.36	18.79	/	-15	-"-	-"-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	9:25	ice	8260B - VOCs & Oxys	VOAs	3	HCL	9:25
1	↓	ice	8015M - TPH-g	VOAs	3	HCL	LL_W15B_051110_01
1	↓	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-15C Hospital
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.11.2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	197.34	(ft.)
DEPTH TO WATER	115.07	(ft.)
HEIGHT OF WATER COLUMN	82.27	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 13.41001	(gal)
PURGE VOLUME	x 3 ≈ 40	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny (~75°F)/windy (10-30 mph)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

Begin 9:45

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
10:52	5		8.18	2.057		N/A	20.30		-47	Cloudy-clear	Slight
11:07	10		8.10	2.046		6.44	18.83		-56	Silty grey	-//-
11:30	15		8.10	2.066		5.11	20.33		-16	Dark grey	-//-
11:59	20		8.06	2.029		4.30	20.68		-18	-//-	-//-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative
1	14:00	ice	8260B - VOCs & Oxys	VOAs	3	HCL
1	1	ice	8015M - TPH-g	VOAs	3	HCL
1	1	ice	Hexavalent Chromium	Poly	1	None

NOTES: *Purge put on hold @ 10:02 in order to remove entire 200' stinger to check for cracks/defects. Purge resumed @ 10:38 after 3x10' segments of stinger PVC were replaced. Appears to be a lot of sand/silt in bottom of well MW-15C. Stinger raised ~5' ags in order to avoid the sand slurpage. Noticeable fine-grained sand or silt being vacuumed by truck.

LL_W15C_051110_01 @ 14:00

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

Additional Groundwater Quality Parameters

Page 2 of 2

PROJECT NAME: CENCO

PROJECT NO.: 1003-001-300

DATE: 5.11.2010

WELL NO. W-15C

SAMPLED BY: Frane Sosic

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
12:28	25		8.20	2.001		5.35	20.75		-30	Cloudy grey	Slight HC odor
12:46	30		8.13	2.106		4.49	20.92		-16	Cloudy	-"-
13:00	35		8.32	2.093		4.88	20.92		-103	Clear	-"-
13:14	40		8.16	2.065		4.73	20.89		-21.4	-"-	-"-

End 13:15

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-16A Walker
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.14.2010		

WELL NOTES:

WELL CONDITION: OK

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	123.12	(ft.)
DEPTH TO WATER	112.22	(ft.)
HEIGHT OF WATER COLUMN	10.9	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 1.7767	(gal)
PURGE VOLUME	x 3 ≈ 5	(gal)
PRODUCT THICKNESS		(ft.)

WEATHER CONDITIONS:
Cloudy/cool/light breeze

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 7:34										Dark Murky	
7:41	1		8.20	3.384		2.85	18.15		-41	Grey	Slight HC odor
8:05	3		8.31	2.799		0.86	18.67		-57	-11-	-11-
End 8:22	5		8.28	2.863		2.23	18.66		-54	-11-	-11-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	8:40	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W16A_051410_01 @ 8:40
1		ice	8015M - TPH-g	VOAs	3	HCL	
1		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	MW-16B Walker
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5.14.2010		

WELL NOTES:

WELL CONDITION: OK

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	160.25	(ft.)
DEPTH TO WATER	121.22	(ft.)
HEIGHT OF WATER COLUMN	39.03	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 6.36189	(gal)
PURGE VOLUME	x 3 = 19	(gal)
PRODUCT THICKNESS		(ft.)

WEATHER CONDITIONS:
Partly cloudy / cool (~72°F)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

	Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. µS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 8:58	9:26	5		8.50	3.078		4.83	21.44		-275	Cloudy grey	HC odor
	9:35	10		8.57	2.936		0.85	22.08		-296	-//-	-//-
	9:45	15		8.57	2.794		2.91	21.74		-308	Clear	-//-
End 9:54	9:53	19		8.62	2.730		0.77	21.89		-310	-//-	-//-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative
1	10:00	ice	8260B - VOCs + Oxys	VOAs	3	HCL
1	|	ice	8015M - TPH-g	VOAs	3	HCL
1	|	ice	Hexavalent Chromium	Poly	1	None

NOTES:
Stinger raised approx. 8' to help get off the sandy bottom

LL_W16B_051410_01 @ 10:00

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO
PROJECT NO.:	1003-001-300
DATE:	5.14.2010

WELL NO.	MW-16C	Walker
SAMPLED BY:	Frane Sosic	

WELL NOTES:

WELL CONDITION: OK

WEATHER CONDITIONS:

PURGING AND SAMPLING EQUIPMENT:

YSI 556

Interface probe (200')

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	196.30	(ft.)
DEPTH TO WATER	120.57	(ft.)
HEIGHT OF WATER COLUMN	75.73	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 12.34399	(gal)
PURGE VOLUME	x 3 = 37	(gal)
PRODUCT THICKNESS		(ft.)

Begin 10:48

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor Strong
11:04	5		8.85	1.540		N/A	23.00		-294	Clear	HC odor
11:20	10		8.86	1.776		N/A	23.10		-312	-"-	-"-
11:35	15		8.78	1.858			23.57		-313	-"-	-"-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	13:00	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W16C_051410_01 @ 13:00
1	1	ice	8015M - TPH-g	VOAs	3	HCL	
1	1	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

Additional Groundwater Quality Parameters

Page 2 of 2

PROJECT NAME: CENCO

PROJECT NO.: 1003-001-300

DATE: 5-14-2010

WELL NO. W-16C

SAMPLED BY: Frane Sosic

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. µS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor Strong
11:50	20		8.68	1.867		N/A	23.79		-312	Clear	HC odor
12:05	25		8.68	1.880		N/A	23.82		-308	-//-	-//-
12:21	30		8.65	1.897		N/A	24.30		-307	-//-	-//-
12:38	35		8.65	1.878		N/A	23.71		-296	-//-	-//-
End 12:51 12:49	37		8.68	1.851		N/A	23.55		-295	-//-	-//-

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-17A Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5·12·2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	108.3	(ft.)
DEPTH TO WATER	101.58	(ft.)
HEIGHT OF WATER COLUMN	6.72	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 1.09536	(gal)
PURGE VOLUME	x 3 = 3.28	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny/warm (mid 70s)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

PURGE DATA

	Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
Begin 9:37												Slight
	9:48	1		8.44	2.467	/	4.08	21.05	/	18	Murky grey	HC odor
	9:52	2		8.43	2.435		4.74	20.10		-85	-//-	-//-
End 9:58	9:56	3		8.25	2.421		0.88	19.33		-40	Cloudy	-//-

Sample No.	Sample Time	Packing	Analyses	Container	Quantity	Preservative	NOTES:
1	10:15	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL-W17A_051210_01 10:15
1		ice	8015M - TPH-g	VOAs	3	HCL	
1		ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-17B Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5·12·2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	169.6	(ft.)
DEPTH TO WATER	109.40	(ft.)
HEIGHT OF WATER COLUMN	60.2	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 9.8126	(gal)
PURGE VOLUME	x 3 = 29.4	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/Sunny (~76°F)/slight wind

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

Begin 10:35

PURGE DATA											
Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
10:53	5		8.35	1.928	/	N/A	25.45	/	-296	Cloudy	HC odor
10:58	10		8.35	1.900		N/A	24.85		-310	-11-	-11-
11:04	15		8.35	1.898		N/A	25.75		-315	Clear	-11-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	11:45	ice	8260B - VOCs + Oxys	VOAs	3	HCL	LL_W17B_051210_01 11:45
1	1	ice	8015M - TPH-g	VOAs	3	HCL	
1	1	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

Additional Groundwater Quality Parameters

Page 2 of 2

PROJECT NAME: CENCO

PROJECT NO.: 1003-001-300

DATE: 5-12-2010

WELL NO. W-17B

SAMPLED BY: Frane Sosic

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. (s/cm)	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
11:11	20		8.30	1.883	/	N/A	25.95	/	-316	Clear	HC odor
11:16	25		8.34	1.896	/	N/A	26.25	/	-316	-//-	-//-
11:24	30		8.35	1.894	/	N/A	25.66	/	-313	-//-	-//-

End 11:26

GROUNDWATER SAMPLING LOG

PROJECT NAME:	CENCO	WELL NO.	W-17C Site
PROJECT NO.:	1003-001-300	SAMPLED BY:	Frane Sosic
DATE:	5·12·2010		

WELL INFORMATION		
TOP OF CASING ELEV.		(ft.)
WELL DIAMETER	2"	(inches)
DEPTH OF WELL	200	(ft.)
DEPTH TO WATER	109.49	(ft.)
HEIGHT OF WATER COLUMN	90.51	(ft.)
CASING VOLUME*	Hgt. x 0.163 Gal./Ft. = 14.75313	(gal)
PURGE VOLUME	x 3 = 44.25	(gal)
PRODUCT THICKNESS		(ft.)

WELL CONDITION:
OK

WEATHER CONDITIONS:
Clear/sunny (~77°F)/windy (10-25mph)

PURGING AND SAMPLING EQUIPMENT:
YSI 556
Interface probe (200')

Begin 12:05

PURGE DATA

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm)	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
12:17	5		8.55	1.692	/	3.73	24.72	/	-317	Clear	HC odor
12:30	10		8.45	1.760	/	4.04	23.82	/	-318	-//-	-//-
12:43	15		8.47	1.762	/	2.58	24.41	/	-318	-//-	-//-

Sample No.	Sample Time Time	Packing	Analyses	Container	Quantity	Preserv-ative	NOTES:
1	14:30	ice	8260B - VOCs + Oxys	VOAs	3	HCL	14:30
1	1	ice	8015M - TPH-g	VOAs	3	HCL	LL_W17C_051210_01
1	1	ice	Hexavalent Chromium	Poly	1	None	

ADDITIONAL INFORMATION:

TOC = Top of well casing

*Casing Volume = r^2h(ft) x 7.48 gal/ft.^{3}

4" well = 0.66 Gal./Foot

2" well = 0.163 Gal./Foot

Additional Groundwater Quality Parameters

Page 2 of 2

PROJECT NAME: CENCO

PROJECT NO.: 1003-001-300

DATE: 5·12·2010

WELL NO. W-17C

SAMPLED BY: Frane Sosic

Time:	Purge Volume (Gal.)	Flow Rate (Gal./Min.)	pH	Sp.Cond. mS/cm	Turbidity NTUs	DO mg/L	Temperature (F/C)	TDS	ORP mV	Color	Odor
12:55	20		8.50	1.732		3.61	24.58		-314	Clear	HC odor
13:10	25		8.53	1.742		3.28	24.88		-318	-//-	-//-
13:23	30		8.55	1.728		3.23	24.89		-314	-//-	-//-
13:38	35		8.51	1.728		3.03	25.32		-317	-//-	-//-
13:54	40		8.51	1.734		2.86	25.34		-316	-//-	-//-
14:10	45		8.49	1.752		3.03	25.34		-322	-//-	-//-

Appendix B

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

18 May 2010

Jeremy Squire
Murex
2640 Walnut Ave. Unit F
Tustin, CA 9

RE: Cenco

Enclosed are the results of analyses for samples received by the laboratory on 05/10/10 17:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Moore For John Shepler
Laboratory Director

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LL_W14A_051010_01	T000445-01	Water	05/10/10 08:30	05/10/10 17:40
LL_W14B_051010_01	T000445-02	Water	05/10/10 09:30	05/10/10 17:40
LL_W14C_051010_01	T000445-03	Water	05/10/10 14:15	05/10/10 17:40
LL_W15A_051010_01	T000445-04	Water	05/10/10 15:45	05/10/10 17:40
TB_051010	T000445-05	Water	05/10/10 00:00	05/10/10 17:40

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Kevin Moore For John Shepler, Laboratory Director

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14A_051010_01

T000445-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*111 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.9**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Kevin Moore For John Shepler, Laboratory Director

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14A_051010_01

T000445-01 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14A_051010_01

T000445-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	ND	10	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*100 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*94.9 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*101 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051101	05/11/10	05/11/10	EPA 7199	I-02

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14B_051010_01

T000445-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**99**	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*105 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	**6.0**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**6.2**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1.1**	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14B_051010_01

T000445-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.2**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**32**	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14B_051010_01

T000445-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*104 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*97.6 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*97.4 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051101	05/11/10	05/11/10	EPA 7199	I-02

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Lake Forest, California 92630
949.297.5020 Phone
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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14C_051010_01

T000445-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**120**	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*99.6 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**13**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**2.0**	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14C_051010_01

T000445-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,3-Dichloropropane	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**4.1**	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**0.58**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W14C_051010_01

T000445-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*109 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*95.9 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*94.5 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051101	05/11/10	05/11/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W15A_051010_01

T000445-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**260**	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*97.5 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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T000445-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,2-Dichloropropane	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**3.2**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**4.7**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**1.5**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

LL_W15A_051010_01

T000445-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	ND	10	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**85**	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*112 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*105 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*98.8 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051101	05/11/10	05/11/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

TB_051010

T000445-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

TB_051010

T000445-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051110	05/11/10	05/11/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

TB_051010

T000445-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate 4-Bromofluorobenzene	*96.6 %*	*77.1-110*	*0051110*	*05/11/10*	*05/11/10*	*EPA 8260B*	
Surrogate Dibromofluoromethane	*92.5 %*	*66.3-111*	*"*	*"*	*"*	*"*	
Surrogate Toluene-d8	*95.1 %*	*84.7-109*	*"*	*"*	*"*	*"*	

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051302 - EPA 5030 GC										
Blank (0051302-BLK1)				Prepared & Analyzed: 05/13/10						
C6-C12 (GRO)	ND	50	ug/l							
Surrogate 4-Bromofluorobenzene	*180*		*"*	*200*		*89.9*	*72.6-146*			
LCS (0051302-BS1)				Prepared & Analyzed: 05/13/10						
C6-C12 (GRO)	5040	50	ug/l	5500		91.6	75-125			
Surrogate 4-Bromofluorobenzene	*161*		*"*	*200*		*80.3*	*72.6-146*			
LCS Dup (0051302-BSD1)				Prepared: 05/13/10 Analyzed: 05/14/10						
C6-C12 (GRO)	5410	50	ug/l	5500		98.4	75-125	7.14	20	
Surrogate 4-Bromofluorobenzene	*213*		*"*	*200*		*106*	*72.6-146*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051110 - EPA 5030 GCMS										
Blank (0051110-BLK1)				Prepared & Analyzed: 05/11/10						
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051110 - EPA 5030 GCMS										
Blank (0051110-BLK1)				Prepared & Analyzed: 05/11/10						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate 4-Bromofluorobenzene	*8.14*		*"*	*8.00*		*102*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.98*		*"*	*8.00*		*99.8*	*66.3-111*			
Surrogate Toluene-d8	*7.92*		*"*	*8.00*		*99.0*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051110 - EPA 5030 GCMS										
LCS (0051110-BS1)				Prepared & Analyzed: 05/11/10						
Chlorobenzene	20.4	1.0	ug/l	20.0		102	75-125			
1,1-Dichloroethene	17.6	1.0	"	20.0		87.8	75-125			
Trichloroethene	19.7	1.0	"	20.0		98.3	75-125			
Benzene	19.0	0.50	"	20.0		94.8	75-125			
Toluene	17.7	0.50	"	20.0		88.7	75-125			
Surrogate 4-Bromofluorobenzene	*7.92*		*"*	*8.00*		*99.0*	*77.1-110*			
Surrogate Dibromofluoromethane	*8.70*		*"*	*8.00*		*109*	*66.3-111*			
Surrogate Toluene-d8	*7.64*		*"*	*8.00*		*95.5*	*84.7-109*			
LCS Dup (0051110-BSD1)				Prepared & Analyzed: 05/11/10						
Chlorobenzene	19 5	1.0	ug/l	20.0		97.6	75-125	4.36	20	
1,1-Dichloroethene	16.7	1.0	"	20.0		83.6	75-125	4.78	20	
Trichloroethene	19 1	1.0	"	20.0		95.4	75-125	3.05	20	
Benzene	18.4	0.50	"	20.0		92.0	75-125	3.00	20	
Toluene	17.8	0.50	"	20.0		88.8	75-125	0.0564	20	
Surrogate 4-Bromofluorobenzene	*7.97*		*"*	*8.00*		*99.6*	*77.1-110*			
Surrogate Dibromofluoromethane	*8.46*		*"*	*8.00*		*106*	*66.3-111*			
Surrogate Toluene-d8	*7.86*		*"*	*8.00*		*98.2*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051101 - General Preparation										
Blank (0051101-BLK1)				Prepared & Analyzed: 05/11/10						
Hexavalent Chromium	ND	1.00	ug/l							
LCS (0051101-BS1)				Prepared & Analyzed: 05/11/10						
Hexavalent Chromium	25 3	1.00	ug/l	25.0		101	85-115			
Matrix Spike (0051101-MS1)		**Source: T000445-01**		Prepared & Analyzed: 05/11/10						
Hexavalent Chromium	20 3	1.00	ug/l	25.0	ND	81.2	85-115			QM-07
Matrix Spike Dup (0051101-MSD1)		**Source: T000445-01**		Prepared & Analyzed: 05/11/10						
Hexavalent Chromium	21.7	1.00	ug/l	25.0	ND	86.9	85-115	6.84	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/18/10 09:04

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
QM-07	The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
I-02	This result was analyzed outside of the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Murex
Address: 2640 Walnut Ave., Unit F Tustin, CA
Phone: (714) 508-0800 Fax: (714) 508-0880
Project Manager: Jeremy Squire

Date: 5-10-2010 Page: 1 Of 1
Project Name: CENCO
Collector: F. Sosik Client Project #: 1003-001-300
Batch #: T000445 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Cr+6 (7199)				Laboratory ID #	Comments/Preservative	Total # of containers
LL_W14A_051010_01	5-10-10	8:30	Water	3VOAs/1Poly		X				X				X				01		7
LL_W14B_051010_01		9:30				X				X				X				02		7
LL_W14C_051010_01		14:15				X				X				X				03		7
LL_W15A_051010_01		15:45				X				X				X				04		7
TB_051010	5-10-10		Water	2 VOAs		X												05		2

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	5-10-2010 1440 5-5-2010 FS	[signature]	5/10/10 1740
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 30
Chain of Custody seals Y/N/NA: N
Seals intact? Y/N/NA: NA
Received good condition/cold: Y 3.0°

Turn around time:

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 92489

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19 May 2010

Jeremy Squire
Murex
2640 Walnut Ave. Unit F
Tustin, CA 9

RE: Cenco

Enclosed are the results of analyses for samples received by the laboratory on 05/11/10 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Moore For John Shepler
Laboratory Director

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LL_W15B_051110_01	T000446-01	Water	05/11/10 09:25	05/11/10 16:30
LL_W15C_051110_01	T000446-02	Water	05/11/10 14:00	05/11/10 16:30
LL_MW104A_051110_01	T000446-03	Water	05/11/10 15:40	05/11/10 16:30
TB_051110	T000446-04	Water	05/11/10 00:00	05/11/10 16:30

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_W15B_051110_01
T000446-01(Water)

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	**230**		50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene			*101 %*	*72.6-146*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND		1.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	**1.1**		1.0	"	"	"	"	"	"	
sec-Butylbenzene	**2.4**		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_W15B_051110_01
T000446-01(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
				SunStar Laboratories, Inc.						
Volatile Organic Compounds by EPA Method 8260B										
1,3-Dichloropropane	ND		1.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	**16**		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	**18**		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	ND		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	**20**		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	ND		0.50	"	"	"	"	"	"	
m,p-Xylene	**1.8**		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND		2.0	"	"	"	"	"	"	
Tert-butyl alcohol	**36**		10	"	"	"	"	"	"	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_W15B_051110_01
T000446-01(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.										
Volatile Organic Compounds by EPA Method 8260B										
Ethyl tert-butyl ether	ND		2.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Methyl tert-butyl ether	**17**		1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene			*121 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane			*90.5 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8			*102 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods										
Hexavalent Chromium	ND		1.00	ug/l	1	0051207	05/12/10	05/12/10	EPA 7199	I-02

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_W15C_051110_01
T000446-02(Water)

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C										
C6-C12 (GRO)	ND		50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene			*89.5 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B										
Bromobenzene	ND		1.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	ND		1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.6**		1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	

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Murex	Project:	Cenco	
2640 Walnut Ave. Unit F	Project Number:	1003.001-300	**Reported:**
Tustin CA, 9	Project Manager:	Jeremy Squire	05/19/10 16:09

LL_W15C_051110_01
T000446-02(Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND		1.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	ND		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	ND		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	**1.1**		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	ND		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	ND		0.50	"	"	"	"	"	"	
m,p-Xylene	ND		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND		2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND		10	"	"	"	"	"	"	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_W15C_051110_01
T000446-02(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.										
Volatile Organic Compounds by EPA Method 8260B										
Ethyl tert-butyl ether	ND		2.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Methyl tert-butyl ether	ND		1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene			*101 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane			*94.4 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8			*95.4 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods										
Hexavalent Chromium	ND		1.00	ug/l	1	0051207	05/12/10	05/12/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_MW104A_051110_01
T000446-03(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			SunStar Laboratories, Inc.							
Purgeable Petroleum Hydrocarbons by EPA 8015C										
C6-C12 (GRO)	ND		50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene			*94.8 %*	*72.6-146*		"	"	"	"	
Metals by SM 3500 Series Methods										
Ferrous Iron	**0.126**		0.100	mg/l	1	0051205	05/12/10	05/17/10	EPA6010/SM3500	
Volatile Organic Compounds by EPA Method 8260B										
Bromobenzene	ND		1.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	ND		1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_MW104A_051110_01

T000446-03(Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	**3.2**		1.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
trans-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	ND		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	ND		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	ND		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	ND		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	ND		0.50	"	"	"	"	"	"	
m,p-Xylene	ND		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

LL_MW104A_051110_01
T000446-03(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.										
Volatile Organic Compounds by EPA Method 8260B										
Tert-amyl methyl ether	ND		2.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Tert-butyl alcohol	ND		10	"	"	"	"	"	"	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND		2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene			*103 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane			*94.9 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8			*100 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods										
Hexavalent Chromium	ND		1.00	ug/l	1	0051207	05/12/10	05/12/10	EPA 7199	
Anions by EPA Method 300.0										
Sulfate as SO4	**78.4**		0.500	mg/l	1	0051206	05/12/10	05/12/10	EPA 300.0	
Nitrate as NO3	ND		0.500	"	"	"	"	"	"	
RSK-175										
Methane	**814**		1.00	ug/l	1	0051202	05/12/10	05/17/10	RSK-175	
Weck Laboratories, Inc										
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods										
Alkalinity as CaCO3	**790**		10	mg/l	1	W0E0535	05/17/10	05/17/10	SM 2320B	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

TB_051110

T000446-04(Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND		1.0	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Bromochloromethane	ND		1.0	"	"	"	"	"	"	
Bromodichloromethane	ND		1.0	"	"	"	"	"	"	
Bromoform	ND		1.0	"	"	"	"	"	"	
Bromomethane	ND		1.0	"	"	"	"	"	"	
n-Butylbenzene	ND		1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND		1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND		1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND		0.50	"	"	"	"	"	"	
Chlorobenzene	ND		1.0	"	"	"	"	"	"	
Chloroethane	ND		1.0	"	"	"	"	"	"	
Chloroform	ND		1.0	"	"	"	"	"	"	
Chloromethane	ND		1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND		1.0	"	"	"	"	"	"	
Dibromochloromethane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND		1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		1.0	"	"	"	"	"	"	
Dibromomethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND		1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND		0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND		1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND		1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND		1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND		1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		0.50	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

TB_051110

T000446-04(Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND		0.50	ug/l	1	0051204	05/12/10	05/13/10	EPA 8260B	
Hexachlorobutadiene	ND		1.0	"	"	"	"	"	"	
Isopropylbenzene	ND		1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND		1.0	"	"	"	"	"	"	
Methylene chloride	ND		1.0	"	"	"	"	"	"	
Naphthalene	ND		1.0	"	"	"	"	"	"	
n-Propylbenzene	ND		1.0	"	"	"	"	"	"	
Styrene	ND		1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		1.0	"	"	"	"	"	"	
Tetrachloroethene	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		1.0	"	"	"	"	"	"	
Trichloroethene	ND		1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND		1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND		1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND		1.0	"	"	"	"	"	"	
Vinyl chloride	ND		1.0	"	"	"	"	"	"	
Benzene	ND		0.50	"	"	"	"	"	"	
Toluene	ND		0.50	"	"	"	"	"	"	
Ethylbenzene	ND		0.50	"	"	"	"	"	"	
m,p-Xylene	ND		1.0	"	"	"	"	"	"	
o-Xylene	ND		0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND		2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND		10	"	"	"	"	"	"	
Di-isopropyl ether	ND		2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND		2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND		1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene			*90.9 %*	*77.1-110*		"	"	"	"	

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

TB_051110

T000446-04(Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.										
Volatile Organic Compounds by EPA Method 8260B										
Surrogate Dibromofluoromethane			*90.2 %*	*66.3-111*		*0051204*	*05/12/10*	*05/13/10*	*EPA 8260B*	
Surrogate Toluene-d8			*98.6 %*	*84.7-109*		*"*	*"*	*"*	*"*	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051302 - EPA 5030 GC											
Blank (0051302-BLK1)					Prepared & Analyzed: 05/13/10						
Surrogate 4-Bromofluorobenzene	*180*			*ug/l*	*200*		*89.9*	*72.6-146*			
C6-C12 (GRO)	ND		50	"							
LCS (0051302-BS1)					Prepared & Analyzed: 05/13/10						
Surrogate 4-Bromofluorobenzene	*161*			*ug/l*	*200*		*80.3*	*72.6-146*			
C6-C12 (GRO)	5040		50	"	5500		91.6	75-125			
LCS Dup (0051302-BSD1)					Prepared: 05/13/10 Analyzed: 05/14/10						
Surrogate 4-Bromofluorobenzene	*213*			*ug/l*	*200*		*106*	*72.6-146*			
C6-C12 (GRO)	5410		50	"	5500		98.4	75-125	7.14	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Metals by SM 3500 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051205 - EPA 3010A											
Blank (0051205-BLK1)					Prepared: 05/12/10		Analyzed: 05/17/10				
Ferrous Iron	ND		0.100	mg/l							
LCS (0051205-BS1)					Prepared: 05/12/10		Analyzed: 05/17/10				
Ferrous Iron	0.439		0.100	mg/l	0.526		83.3	80-120			
Matrix Spike (0051205-MS1)		**Source: T000446-03**			Prepared: 05/12/10		Analyzed: 05/17/10				
Ferrous Iron	0.946		0.100	mg/l	0.526	0.126	156	75-125			QM-07
Matrix Spike Dup (0051205-MSD1)		**Source: T000446-03**			Prepared: 05/12/10		Analyzed: 05/17/10				
Ferrous Iron	0.889		0.100	mg/l	0.526	0.126	145	75-125	6.26	20	QM-07

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051204 - EPA 5030 GCMS											
Blank (0051204-BLK1)					Prepared: 05/12/10 Analyzed: 05/13/10						
Surrogate 4-Bromofluorobenzene	*7.79*			*ug/l*	*8.00*		*97.4*	*77.1-110*			
Surrogate Dibromofluoromethane	*6.71*			*"*	*8.00*		*83.9*	*66.3-111*			
Surrogate Toluene-d8	*7.67*			*"*	*8.00*		*95.9*	*84.7-109*			
Bromobenzene	ND		1.0	"							
Bromochloromethane	ND		1.0	"							
Bromodichloromethane	ND		1.0	"							
Bromoform	ND		1.0	"							
Bromomethane	ND		1.0	"							
n-Butylbenzene	ND		1.0	"							
sec-Butylbenzene	ND		1.0	"							
tert-Butylbenzene	ND		1.0	"							
Carbon tetrachloride	ND		0.50	"							
Chlorobenzene	ND		1.0	"							
Chloroethane	ND		1.0	"							
Chloroform	ND		1.0	"							
Chloromethane	ND		1.0	"							
2-Chlorotoluene	ND		1.0	"							
4-Chlorotoluene	ND		1.0	"							
Dibromochloromethane	ND		1.0	"							
1,2-Dibromo-3-chloropropane	ND		1.0	"							
1,2-Dibromoethane (EDB)	ND		1.0	"							
Dibromomethane	ND		1.0	"							
1,2-Dichlorobenzene	ND		1.0	"							
1,3-Dichlorobenzene	ND		1.0	"							
1,4-Dichlorobenzene	ND		1.0	"							
Dichlorodifluoromethane	ND		0.50	"							
1,1-Dichloroethane	ND		1.0	"							

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Providing Quality Analytical Services Nationwide

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051204 - EPA 5030 GCMS											
Blank (0051204-BLK1)					Prepared: 05/12/10 Analyzed: 05/13/10						
1,2-Dichloroethane	ND		0.50	ug/l							
1,1-Dichloroethene	ND		1.0	"							
cis-1,2-Dichloroethene	ND		1.0	"							
trans-1,2-Dichloroethene	ND		1.0	"							
1,2-Dichloropropane	ND		1.0	"							
1,3-Dichloropropane	ND		1.0	"							
2,2-Dichloropropane	ND		1.0	"							
1,1-Dichloropropene	ND		1.0	"							
cis-1,3-Dichloropropene	ND		0.50	"							
trans-1,3-Dichloropropene	ND		0.50	"							
Hexachlorobutadiene	ND		1.0	"							
Isopropylbenzene	ND		1.0	"							
p-Isopropyltoluene	ND		1.0	"							
Methylene chloride	ND		1.0	"							
Naphthalene	ND		1.0	"							
n-Propylbenzene	ND		1.0	"							
Styrene	ND		1.0	"							
1,1,2,2-Tetrachloroethane	ND		1.0	"							
1,1,1,2-Tetrachloroethane	ND		1.0	"							
Tetrachloroethene	ND		1.0	"							
1,2,3-Trichlorobenzene	ND		1.0	"							
1,2,4-Trichlorobenzene	ND		1.0	"							
1,1,2-Trichloroethane	ND		1.0	"							
1,1,1-Trichloroethane	ND		1.0	"							
Trichloroethene	ND		1.0	"							
Trichlorofluoromethane	ND		1.0	"							
1,2,3-Trichloropropane	ND		1.0	"							

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051204 - EPA 5030 GCMS											
Blank (0051204-BLK1)					Prepared: 05/12/10 Analyzed: 05/13/10						
1,3,5-Trimethylbenzene	ND		1.0	ug/l							
1,2,4-Trimethylbenzene	ND		1.0	"							
Vinyl chloride	ND		1.0	"							
Benzene	ND		0.50	"							
Toluene	ND		0.50	"							
Ethylbenzene	ND		0.50	"							
m,p-Xylene	ND		1.0	"							
o-Xylene	ND		0.50	"							
Tert-amyl methyl ether	ND		2.0	"							
Tert-butyl alcohol	ND		10	"							
Di-isopropyl ether	ND		2.0	"							
Ethyl tert-butyl ether	ND		2.0	"							
Methyl tert-butyl ether	ND		1.0	"							
LCS (0051204-BS1)					Prepared: 05/12/10 Analyzed: 05/13/10						
Surrogate 4-Bromofluorobenzene	*7.85*			*ug/l*	*8.00*		*98.1*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.26*			*"*	*8.00*		*90.8*	*66.3-111*			
Surrogate Toluene-d8	*8.09*			*"*	*8.00*		*101*	*84.7-109*			
Chlorobenzene	17.8		1.0	"	20.0		89.1	75-125			
1,1-Dichloroethene	19 5		1.0	"	20.0		97.6	75-125			
Trichloroethene	19 2		1.0	"	20.0		95.8	75-125			
Benzene	18 2		0.50	"	20.0		91.2	75-125			
Toluene	16 3		0.50	"	20.0		81.6	75-125			
LCS Dup (0051204-BSD1)					Prepared: 05/12/10 Analyzed: 05/13/10						
Surrogate 4-Bromofluorobenzene	*7.79*			*ug/l*	*8.00*		*97.4*	*77.1-110*			
Surrogate Dibromofluoromethane	*6.93*			*"*	*8.00*		*86.6*	*66.3-111*			
Surrogate Toluene-d8	*7.87*			*"*	*8.00*		*98.4*	*84.7-109*			
Chlorobenzene	17 1		1.0	"	20.0		85.6	75-125	4.07	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051204 - EPA 5030 GCMS											
LCS Dup (0051204-BSD1)					Prepared: 05/12/10 Analyzed: 05/13/10						
1,1-Dichloroethene	17.0		1.0	ug/l	20.0		85.0	75-125	13.7	20	
Trichloroethene	17.8		1.0	"	20.0		88.8	75-125	7.69	20	
Benzene	17 1		0.50	"	20.0		85.7	75-125	6.27	20	
Toluene	15 1		0.50	"	20.0		75.4	75-125	7.96	20	

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949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051207 - General Preparation											
Blank (0051207-BLK1)					Prepared & Analyzed: 05/12/10						
Hexavalent Chromium	ND		1.00	ug/l							
LCS (0051207-BS1)					Prepared & Analyzed: 05/12/10						
Hexavalent Chromium	25.6		1.00	ug/l	25.0		102	85-115			
Matrix Spike (0051207-MS1)		**Source: T000446-01**			Prepared & Analyzed: 05/12/10						
Hexavalent Chromium	23.8		1.00	ug/l	25.0	ND	95.2	85-115			
Matrix Spike Dup (0051207-MSD1)		**Source: T000446-01**			Prepared & Analyzed: 05/12/10						
Hexavalent Chromium	24.0		1.00	ug/l	25.0	ND	96.1	85-115	0.962	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Anions by EPA Method 300.0 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051206 - General Preparation											
Blank (0051206-BLK1)					Prepared & Analyzed: 05/12/10						
Sulfate as SO4	ND		0.500	mg/l							
Nitrate as NO3	ND		0.500	"							
LCS (0051206-BS1)					Prepared & Analyzed: 05/12/10						
Sulfate as SO4	10 3		0.500	mg/l	10.0		103	80-120			
Nitrate as NO3	11.4		0.500	"	11.1		103	80-120			
Matrix Spike (0051206-MS1)		**Source: T000446-03**			Prepared & Analyzed: 05/12/10						
Sulfate as SO4	88 5		0.500	mg/l	10.0	78.4	100	80-120			
Nitrate as NO3	11.0		0.500	"	11.1	ND	99.1	80-120			
Matrix Spike Dup (0051206-MSD1)		**Source: T000446-03**			Prepared & Analyzed: 05/12/10						
Sulfate as SO4	88 3		0.500	mg/l	10.0	78.4	98.3	80-120	0.229	20	
Nitrate as NO3	10.6		0.500	"	11.1	ND	95.9	80-120	3.25	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

RSK-175 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051202 - EPA 3810m Headspace											
Blank (0051202-BLK1)					Prepared: 05/12/10 Analyzed: 05/17/10						
Methane	ND		1.00	ug/l							
Ethene	ND		1.00	"							
Ethane	ND		1.00	"							
Duplicate (0051202-DUP1)		**Source: T000446-03**			Prepared: 05/12/10 Analyzed: 05/17/10						
Methane	831		1.00	ug/l		814			2.02	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods - Quality Control

Weck Laboratories, Inc

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W0E0535 - General Preparation											
Blank (W0E0535-BLK1)					Prepared & Analyzed: 05/17/10						
Alkalinity as CaCO3	ND		10	mg/l							
LCS (W0E0535-BS1)					Prepared & Analyzed: 05/17/10						
Alkalinity as CaCO3	256		10	mg/l	250		102	94-108			
Duplicate (W0E0535-DUP1)		**Source: 0E11080-01**			Prepared & Analyzed: 05/17/10						
Alkalinity as CaCO3	311		10	mg/l		311			0.04	15	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 16:09

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
QM-07	The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
I-02	This result was analyzed outside of the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: MUREX
Address: 2640 Walnut Ave., Unit F Tustin, CA
Phone: (714) 508-0800 Fax: (714) 508-0880
Project Manager: Jeremy Squire

Date: 5.11.2010 Page: 1 Of 1
Project Name: CENCO
Collector: F. Sosic Client Project #: 1003-001-300
Batch #: T000446 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	~~8270~~ Ferrous Iron (SM 3500)	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Cr+6 (7199)	Alkalinity	Methane (RSK-175M)	IC 300	Laboratory ID #	Comments/Preservative	Total # of containers
LL_WISB_051110_01	5.11.2010	9:25	Water	8VOAs/1Poly		X				X				X				01		7
LL_WISC_051110_01		14:00		8VOAs/1Poly		X				X				X				02		7
LL_MW104A_051110_01		15:40		8VOAs/4Poly		X		X		X				X	X	X	X	03		12
TB_051110	5.11.2010		Water	2 VOAs		X												04		2

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	5.11.2010 1630	[signature]	5/11/10 1630
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers	28
Chain of Custody seals Y/N/NA	N
Seals intact? Y/N/NA	N/A
Received good condition/cold	Y
Turn around time:	

Notes
4.0°

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 92487

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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17 May 2010

Jeremy Squire
Murex
2640 Walnut Ave. Unit F
Tustin, CA 9

RE: Cenco

Enclosed are the results of analyses for samples received by the laboratory on 05/12/10 16:16. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Moore For John Shepler
Laboratory Director

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LL_W9_051210_01	T000448-01	Water	05/12/10 08:40	05/12/10 16:16
LL_W17A_051210_01	T000448-02	Water	05/12/10 10:15	05/12/10 16:16
LL_W17B_051210_01	T000448-03	Water	05/12/10 11:45	05/12/10 16:16
LL_W17C_051210_01	T000448-04	Water	05/12/10 14:30	05/12/10 16:16
LL_W12_051210_01	T000448-05	Water	05/12/10 15:30	05/12/10 16:16
TB_051210	T000448-06	Water	05/12/10 00:00	05/12/10 16:16

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W9_051210_01

T000448-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**80**	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*95.5 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**2.8**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W9_051210_01

T000448-01 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W9_051210_01

T000448-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	ND	10	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*103 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*98.1 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*95.6 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051301	05/13/10	05/13/10	EPA 7199	I-02

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17A_051210_01

T000448-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**110**	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*92.4 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4.2**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17A_051210_01

T000448-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,3-Dichloropropane	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**1.1**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17A_051210_01

T000448-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*108 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*94.1 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*95.9 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051301	05/13/10	05/13/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17B_051210_01

T000448-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**54**	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*83.7 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17B_051210_01

T000448-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,2-Dichloropropane	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17B_051210_01

T000448-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	ND	10	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*103 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*108 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*94.4 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051301	05/13/10	05/13/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17C_051210_01

T000448-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*84.6 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17C_051210_01

T000448-04 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W17C_051210_01

T000448-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	ND	10	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*99.9 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*104 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*94.6 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051301	05/13/10	05/13/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W12_051210_01

T000448-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**610**	50	ug/l	1	0051302	05/13/10	05/13/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*97.9 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	**5.8**	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**3.7**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W12_051210_01

T000448-05 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**5.8**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**2.1**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**15**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**3.0**	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

LL_W12_051210_01

T000448-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*115 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*102 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*101 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051301	05/13/10	05/13/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

TB_051210

T000448-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

TB_051210

T000448-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051303	05/13/10	05/13/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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Kevin Moore For John Shepler, Laboratory Director

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
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949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

TB_051210

T000448-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate 4-Bromofluorobenzene	*103 %*	*77.1-110*	*0051303*	*05/13/10*	*05/13/10*	*EPA 8260B*	
Surrogate Dibromofluoromethane	*98.2 %*	*66.3-111*	*"*	*"*	*"*	*"*	
Surrogate Toluene-d8	*94.6 %*	*84.7-109*	*"*	*"*	*"*	*"*	

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Lake Forest, California 92630
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949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051302 - EPA 5030 GC										
Blank (0051302-BLK1)				Prepared & Analyzed: 05/13/10						
C6-C12 (GRO)	ND	50	ug/l							
Surrogate 4-Bromofluorobenzene	*180*		*"*	*200*		*89.9*	*72.6-146*			
LCS (0051302-BS1)				Prepared & Analyzed: 05/13/10						
C6-C12 (GRO)	5040	50	ug/l	5500		91.6	75-125			
Surrogate 4-Bromofluorobenzene	*161*		*"*	*200*		*80.3*	*72.6-146*			
LCS Dup (0051302-BSD1)				Prepared: 05/13/10 Analyzed: 05/14/10						
C6-C12 (GRO)	5410	50	ug/l	5500		98.4	75-125	7.14	20	
Surrogate 4-Bromofluorobenzene	*213*		*"*	*200*		*106*	*72.6-146*			

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Providing Quality Analytical Services Nationwide

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051303 - EPA 5030 GCMS										
Blank (0051303-BLK1)				Prepared & Analyzed: 05/13/10						
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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Kevin Moore For John Shepler, Laboratory Director

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Providing Quality Analytical Services Nationwide

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051303 - EPA 5030 GCMS										
Blank (0051303-BLK1)				Prepared & Analyzed: 05/13/10						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate 4-Bromofluorobenzene	*7.70*		*"*	*8.00*		*96.2*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.64*		*"*	*8.00*		*95.5*	*66.3-111*			
Surrogate Toluene-d8	*7.98*		*"*	*8.00*		*99.8*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051303 - EPA 5030 GCMS										
LCS (0051303-BS1)				Prepared & Analyzed: 05/13/10						
Chlorobenzene	18 3	1.0	ug/l	20.0		91.4	75-125			
1,1-Dichloroethene	18 5	1.0	"	20.0		92.6	75-125			
Trichloroethene	17.8	1.0	"	20.0		89.0	75-125			
Benzene	18.0	0.50	"	20.0		90.0	75-125			
Toluene	15.0	0.50	"	20.0		75.1	75-125			
Surrogate 4-Bromofluorobenzene	*8.10*		*"*	*8.00*		*101*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.71*		*"*	*8.00*		*96.4*	*66.3-111*			
Surrogate Toluene-d8	*7.71*		*"*	*8.00*		*96.4*	*84.7-109*			
LCS Dup (0051303-BSD1)				Prepared & Analyzed: 05/13/10						
Chlorobenzene	19.0	1.0	ug/l	20.0		94.8	75-125	3.65	20	
1,1-Dichloroethene	18 2	1.0	"	20.0		91.0	75-125	1.74	20	
Trichloroethene	18.0	1.0	"	20.0		90.2	75-125	1.23	20	
Benzene	18 3	0.50	"	20.0		91.6	75-125	1.76	20	
Toluene	15 5	0.50	"	20.0		77.4	75-125	3.08	20	
Surrogate 4-Bromofluorobenzene	*8.04*		*"*	*8.00*		*100*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.84*		*"*	*8.00*		*98.0*	*66.3-111*			
Surrogate Toluene-d8	*7.82*		*"*	*8.00*		*97.8*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051301 - General Preparation										
Blank (0051301-BLK1)				Prepared & Analyzed: 05/13/10						
Hexavalent Chromium	ND	1.00	ug/l							
LCS (0051301-BS1)				Prepared & Analyzed: 05/13/10						
Hexavalent Chromium	22.8	1.00	ug/l	25.0		91.0	85-115			
Matrix Spike (0051301-MS1)		**Source: T000448-01**		Prepared & Analyzed: 05/13/10						
Hexavalent Chromium	23.8	1.00	ug/l	25.0	ND	95.3	85-115			
Matrix Spike Dup (0051301-MSD1)		**Source: T000448-01**		Prepared & Analyzed: 05/13/10						
Hexavalent Chromium	23 3	1.00	ug/l	25.0	ND	93.1	85-115	2.37	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/17/10 16:29

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
I-02	This result was analyzed outside of the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: MUREX
Address: 2640 Walnut Ave., Unit F Tustin, CA
Phone: (714) 508-0800 Fax: (714) 508-0880
Project Manager: Jeremy Squire

Date: 5.12.2010 Page: 1 Of 1
Project Name: CENCO
Collector: F. Sosic Client Project #: 1003-001-300
Batch #: T000448 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Cr+6 (7199)				Laboratory ID #	Comments/Preservative	Total # of containers
LL_W9_051210_01	5.12.10	8:40	Water	VOAs/Poly		X				X				X				01		7
LL_W17A_051210_01		10:15				X				X				X				02		7
LL_W17B_051210_01		11:45				X				X				X				03		7
LL_W17C_051210_01		14:30				X				X				X				04		7
LL_W12_051210_01		15:30				X				X				X				05		7
TB_051210				2 VOAs		X												06		2

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	5.12.2010 16:16	[signature]	5/12/10 16:16
[signature]			

Total # of containers: 27
Chain of Custody seals Y/N/NA: N/A
Seals intact? Y/N/NA: N/A
Received good condition/cold: Y 5.6°

Notes

Turn around time:

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 92488

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
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19 May 2010

Jeremy Squire
Murex
2640 Walnut Ave. Unit F
Tustin, CA 9

RE: Cenco

Enclosed are the results of analyses for samples received by the laboratory on 05/13/10 16:16. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Moore For John Shepler
Laboratory Director

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LL_MW107A_051310_01	T000453-01	Water	05/13/10 10:20	05/13/10 16:16
LL_MW107A_051310_02	T000453-02	Water	05/13/10 10:45	05/13/10 16:16
LL_W4_051310_01	T000453-03	Water	05/13/10 14:00	05/13/10 16:16
LL_W1_051310_01	T000453-04	Water	05/13/10 15:20	05/13/10 16:16
LL_MW106A_051310_01	T000453-05	Water	05/13/10 15:50	05/13/10 16:16
TB_051310	T000453-06	Water	05/13/10 00:00	05/13/10 16:16

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW107A_051310_01

T000453-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**1500**	50	ug/l	1	0051307	05/13/10	05/14/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*108 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051402	05/14/10	05/17/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**2.7**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4.8**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**4.7**	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW107A_051310_01

T000453-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,2-Dichloropropane	ND	1.0	ug/l	1	0051402	05/14/10	05/17/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**15**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**3.3**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**12**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**4.5**	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2.0**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**7.6**	0.50	"	"	"	"	"	"	
Toluene	**11**	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.1**	0.50	"	"	"	"	"	"	
m,p-Xylene	**16**	1.0	"	"	"	"	"	"	
o-Xylene	**2.0**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW107A_051310_01

T000453-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051402	05/14/10	05/17/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.7**	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*126 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*95.8 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*91.2 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051401	05/14/10	05/14/10	EPA 7199	I-02

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW107A_051310_02

T000453-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**1100**	50	ug/l	1	0051307	05/13/10	05/14/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*92.4 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**3.4**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**5.9**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**5.9**	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW107A_051310_02

T000453-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**20**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**16**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**4.8**	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**8.8**	0.50	"	"	"	"	"	"	
Toluene	**11**	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.2**	0.50	"	"	"	"	"	"	
m,p-Xylene	**15**	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW107A_051310_02

T000453-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*139 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*93.4 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*97.6 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051401	05/14/10	05/14/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_W4_051310_01

T000453-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**700**	50	ug/l	1	0051307	05/13/10	05/14/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*92.7 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**1.3**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3.1**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_W4_051310_01

T000453-03 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**12**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**10**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**5.4**	1.0	"	"	"	"	"	"	
Benzene	**4.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_W4_051310_01

T000453-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*115 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*105 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*104 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051401	05/14/10	05/14/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_W1_051310_01

T000453-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**260**	50	ug/l	1	0051307	05/13/10	05/14/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*93.2 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_W1_051310_01

T000453-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,2-Dichloropropane	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**4.9**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**2.1**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**1.2**	1.0	"	"	"	"	"	"	
Benzene	**9.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Lake Forest, California 92630
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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_W1_051310_01

T000453-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	ND	10	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*112 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*107 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*99.1 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051401	05/14/10	05/14/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW106A_051310_01

T000453-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**460**	50	ug/l	1	0051307	05/13/10	05/14/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*93.3 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**2.0**	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW106A_051310_01

T000453-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,3-Dichloropropane	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**4.3**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**1.0**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**21**	1.0	"	"	"	"	"	"	
Benzene	**8.6**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

LL_MW106A_051310_01

T000453-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*132 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*94.6 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*97.2 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051401	05/14/10	05/14/10	EPA 7199	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

TB_051310

T000453-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

TB_051310

T000453-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051402	05/14/10	05/14/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

TB_051310

T000453-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate 4-Bromofluorobenzene	*94.6 %*	*77.1-110*	*0051402*	*05/14/10*	*05/14/10*	*EPA 8260B*	
Surrogate Dibromofluoromethane	*104 %*	*66.3-111*	*"*	*"*	*"*	*"*	
Surrogate Toluene-d8	*98.0 %*	*84.7-109*	*"*	*"*	*"*	*"*	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051307 - EPA 5030 GC										
Blank (0051307-BLK1)				Prepared: 05/13/10		Analyzed: 05/14/10				
C6-C12 (GRO)	ND	50	ug/l							
Surrogate 4-Bromofluorobenzene	*195*		*"*	*200*		*97.7*	*72.6-146*			
LCS (0051307-BS1)				Prepared: 05/13/10		Analyzed: 05/17/10				
C6-C12 (GRO)	6090	50	ug/l	5500		111	75-125			
Surrogate 4-Bromofluorobenzene	*186*		*"*	*200*		*93.1*	*72.6-146*			
LCS Dup (0051307-BSD1)				Prepared: 05/13/10		Analyzed: 05/17/10				
C6-C12 (GRO)	5990	50	ug/l	5500		109	75-125	1.51	20	
Surrogate 4-Bromofluorobenzene	*183*		*"*	*200*		*91.6*	*72.6-146*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051402 - EPA 5030 GCMS										
Blank (0051402-BLK1)				Prepared & Analyzed: 05/14/10						
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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Kevin Moore For John Shepler, Laboratory Director

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Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051402 - EPA 5030 GCMS										
Blank (0051402-BLK1)				Prepared & Analyzed: 05/14/10						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate 4-Bromofluorobenzene	*8.11*		*"*	*8.00*		*101*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.86*		*"*	*8.00*		*98.2*	*66.3-111*			
Surrogate Toluene-d8	*7.72*		*"*	*8.00*		*96.5*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051402 - EPA 5030 GCMS										
LCS (0051402-BS1)				Prepared & Analyzed: 05/14/10						
Chlorobenzene	18.3	1.0	ug/l	20.0		91.4	75-125			
1,1-Dichloroethene	16.6	1.0	"	20.0		83.0	75-125			
Trichloroethene	16 2	1.0	"	20.0		81.2	75-125			
Benzene	16.8	0.50	"	20.0		84.0	75-125			
Toluene	15 1	0.50	"	20.0		75.4	75-125			
Surrogate 4-Bromofluorobenzene	*8.42*		*"*	*8.00*		*105*	*77.1-110*			
Surrogate Dibromofluoromethane	*8.19*		*"*	*8.00*		*102*	*66.3-111*			
Surrogate Toluene-d8	*7.47*		*"*	*8.00*		*93.4*	*84.7-109*			
LCS Dup (0051402-BSD1)				Prepared & Analyzed: 05/14/10						
Chlorobenzene	18.2	1.0	ug/l	20.0		91 2	75-125	0.274	20	
1,1-Dichloroethene	15.8	1.0	"	20.0		79.0	75-125	5.00	20	
Trichloroethene	16.7	1.0	"	20.0		83.4	75-125	2.61	20	
Benzene	16 5	0.50	"	20.0		82.4	75-125	1.92	20	
Toluene	15.2	0.50	"	20.0		75.8	75-125	0.463	20	
Surrogate 4-Bromofluorobenzene	*8.14*		*"*	*8.00*		*102*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.68*		*"*	*8.00*		*96.0*	*66.3-111*			
Surrogate Toluene-d8	*7.60*		*"*	*8.00*		*95.0*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051401 - General Preparation										
Blank (0051401-BLK1)				Prepared & Analyzed: 05/14/10						
Hexavalent Chromium	ND	1.00	ug/l							
LCS (0051401-BS1)				Prepared & Analyzed: 05/14/10						
Hexavalent Chromium	26 5	1.00	ug/l	25.0		106	85-115			
LCS Dup (0051401-BSD1)				Prepared & Analyzed: 05/14/10						
Hexavalent Chromium	26 2	1.00	ug/l	25.0		105	85-115	1.01	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003.001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:12

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
I-02	This result was analyzed outside of the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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SunStar Laboratories, Inc.
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Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: MUREX
Address: 2640 Walnut Ave., Unit F Tustin, CA
Phone: (714) 508-0800 Fax: (714) 508-0880
Project Manager: Jeremy Squire

Date: 5-13-2010 Page: 1 Of 1
Project Name: CENCO
Collector: F. Sosic Client Project #: 1003-001-300
Batch #: T000453 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Cr+6 (7199)				Laboratory ID #	Comments/Preservative	Total # of containers
LL_MW107A_051310_01	5-13-2010	10:20	Water	VOAs/Poly		X				X				X				01		7
LL_MW107A_051310_02		10:45				X				X				X				02		7
LL_W4_051310_01		14:00				X				X				X				03		7
LL_W1_051310_01		15:20				X				X				X				04		7
LL_MW106A_051310_01		15:50				X				X				X				05		7
TB_051310				2 VOAs		X												06		2

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	5-13-10 16:16	[signature]	5/13/10 1616
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 37
Chain of Custody seals Y/N/NA: N
Seals intact? Y/N/NA: N/A
Received good condition/cold: Y 6.8

Turn around time:

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 92490

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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19 May 2010

Jeremy Squire
Murex
2640 Walnut Ave. Unit F
Tustin, CA 9

RE: Cenco

Enclosed are the results of analyses for samples received by the laboratory on 05/14/10 16:52. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Moore For John Shepler
Laboratory Director

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LL_W16A_051410_01	T000466-01	Water	05/14/10 08:40	05/14/10 16:52
LL_W16B_051410_01	T000466-02	Water	05/14/10 10:00	05/14/10 16:52
LL_W16C_051410_01	T000466-03	Water	05/14/10 13:00	05/14/10 16:52
TB_051410	T000466-04	Water	05/14/10 00:00	05/14/10 16:52

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16A_051410_01

T000466-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**110**	50	ug/l	1	0051419	05/14/10	05/17/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*98.7 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16A_051410_01

T000466-01 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	1.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16A_051410_01

T000466-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	ND	10	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*93.5 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*103 %*	*66.3-136*		"	"	"	"	
Surrogate Toluene-d8		*150 %*	*84.7-109*		"	"	"	"	*S-GC*
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051702	05/17/10	05/17/10	EPA 7199	I-02

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16B_051410_01

T000466-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**60**	50	ug/l	1	0051419	05/14/10	05/17/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*91.9 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3.0**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1.0**	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16B_051410_01

T000466-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**3.0**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Kevin Moore For John Shepler, Laboratory Director

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16B_051410_01

T000466-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*89.9 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*89.0 %*	*66.3-136*		"	"	"	"	
Surrogate Toluene-d8		*99.1 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051702	05/17/10	05/17/10	EPA 7199	I-02

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16C_051410_01

T000466-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**63**	50	ug/l	1	0051419	05/14/10	05/19/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*93.8 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	**1.2**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3.8**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16C_051410_01

T000466-03 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**1.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

LL_W16C_051410_01

T000466-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*87.8 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*104 %*	*66.3-136*		"	"	"	"	
Surrogate Toluene-d8		*98.8 %*	*84.7-109*		"	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051702	05/17/10	05/17/10	EPA 7199	I-02

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

TB_051410

T000466-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

TB_051410

T000466-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051417	05/14/10	05/17/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	

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Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

TB_051410

T000466-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate	*4-Bromofluorobenzene*	*90.0 %*	*77.1-110*	*0051417*	*05/14/10*	*05/17/10*	*EPA 8260B*	
Surrogate	*Dibromofluoromethane*	*119 %*	*66.3-136*	*"*	*"*	*"*	*"*	
Surrogate	*Toluene-d8*	*104 %*	*84.7-109*	*"*	*"*	*"*	*"*	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051419 - EPA 5030 GC										
Blank (0051419-BLK1)				Prepared: 05/14/10	Analyzed: 05/17/10					
C6-C12 (GRO)	ND	50	ug/l							
Surrogate 4-Bromofluorobenzene	*191*		*"*	*200*		*95.4*	*72.6-146*			
LCS (0051419-BS1)				Prepared: 05/14/10	Analyzed: 05/17/10					
C6-C12 (GRO)	4770	50	ug/l	5500		86.7	75-125			
Surrogate 4-Bromofluorobenzene	*156*		*"*	*200*		*77.8*	*72.6-146*			
LCS Dup (0051419-BSD1)				Prepared: 05/14/10	Analyzed: 05/17/10					
C6-C12 (GRO)	4620	50	ug/l	5500		84.1	75-125	3.09	20	
Surrogate 4-Bromofluorobenzene	*157*		*"*	*200*		*78.5*	*72.6-146*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051417 - EPA 5030 GCMS										
Blank (0051417-BLK1)				Prepared: 05/14/10 Analyzed: 05/17/10						
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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Kevin Moore For John Shepler, Laboratory Director

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
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949.297.5027 Fax

Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051417 - EPA 5030 GCMS										
Blank (0051417-BLK1)				Prepared: 05/14/10 Analyzed: 05/17/10						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate 4-Bromofluorobenzene	*7.37*		*"*	*8.00*		*92.1*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.14*		*"*	*8.00*		*89.2*	*66.3-136*			
Surrogate Toluene-d8	*8.07*		*"*	*8.00*		*101*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051417 - EPA 5030 GCMS										
LCS (0051417-BS1)				Prepared: 05/14/10 Analyzed: 05/17/10						
Chlorobenzene	18 2	1.0	ug/l	20.0		91.0	75-125			
1,1-Dichloroethene	15.4	1.0	"	20.0		76.8	75-125			
Trichloroethene	19.0	1.0	"	20.0		95.2	75-125			
Benzene	18.8	0.50	"	20.0		94.2	75-125			
Toluene	17.8	0.50	"	20.0		88.9	75-125			
Surrogate 4-Bromofluorobenzene	*7.88*		*"*	*8.00*		*98.5*	*77.1-110*			
Surrogate Dibromofluoromethane	*9.95*		*"*	*8.00*		*124*	*66.3-136*			
Surrogate Toluene-d8	*7.94*		*"*	*8.00*		*99.2*	*84.7-109*			
LCS Dup (0051417-BSD1)				Prepared: 05/14/10 Analyzed: 05/17/10						
Chlorobenzene	15.4	1.0	ug/l	20.0		77.2	75-125	16.4	20	
1,1-Dichloroethene	18 2	1.0	"	20.0		91.2	75-125	17.1	20	
Trichloroethene	20.6	1.0	"	20.0		103	75-125	7.87	20	
Benzene	18.8	0.50	"	20.0		94.0	75-125	0.106	20	
Toluene	17.8	0.50	"	20.0		89.0	75-125	0.169	20	
Surrogate 4-Bromofluorobenzene	*8.14*		*"*	*8.00*		*102*	*77.1-110*			
Surrogate Dibromofluoromethane	*10.4*		*"*	*8.00*		*130*	*66.3-136*			
Surrogate Toluene-d8	*8.29*		*"*	*8.00*		*104*	*84.7-109*			

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051702 - General Preparation										
Blank (0051702-BLK1)				Prepared & Analyzed: 05/17/10						
Hexavalent Chromium	ND	1.00	ug/l							
LCS (0051702-BS1)				Prepared & Analyzed: 05/17/10						
Hexavalent Chromium	24 9	1.00	ug/l	25.0		99.6	85-115			
Matrix Spike (0051702-MS1)		**Source: T000466-01**		Prepared & Analyzed: 05/17/10						
Hexavalent Chromium	24.7	1.00	ug/l	25.0	ND	98.9	85-115			
Matrix Spike Dup (0051702-MSD1)		**Source: T000466-01**		Prepared & Analyzed: 05/17/10						
Hexavalent Chromium	24.4	1.00	ug/l	25.0	ND	97.7	85-115	1.14	20	

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Murex	Project: Cenco	
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	**Reported:**
Tustin CA, 9	Project Manager: Jeremy Squire	05/19/10 17:14

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
I-02	This result was analyzed outside of the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Kevin Moore For John Shepler, Laboratory Director

SunStar Laboratories, Inc.
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Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: MUREX
Address: 2640 Walnut Ave., Unit F Tustin, CA
Phone: (714) 508-0800 Fax: (714) 508-0880
Project Manager: Jeremy Squire

Date: 5.14.2010 Page: 1 Of 1
Project Name: CENCO
Collector: F. Sosic Client Project #: 1003-001-300
Batch #: T00466 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Cr+6 (7199)				Laboratory ID #	Comments/Preservative	Total # of containers
LL_W16A_051410_01	5.14.10	8:40	Water	VOAs/Poly		X				X				X				01		7
LL_W16B_051410_01	5.14.10	10:00				X				X				X				02		7
LL_W16C_051410_01	5.14.10	13:00				X				X				X				03		7
TB_051410				2 VOAs		X												04		2

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	5.14.2010 16:52	[signature]	5/14/10 1652
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers	23
Chain of Custody seals Y/N/NA	N
Seals intact? Y/N/NA	NA
Received good condition/cold	Y 3.6

Turn around time:

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 92491

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Jeremy Squire
Murex
2640 Walnut Ave. Unit F
Tustin, CA 9

RE: Cenco

Enclosed are the results of analyses for samples received by the laboratory on 05/17/10 15:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LL_MW503B_051710_01	T000468-01	Water	05/17/10 09:20	05/17/10 15:20
LL_W8_051710_01	T000468-02	Water	05/17/10 11:30	05/17/10 15:20
LL_W8_051710_02	T000468-03	Water	05/17/10 12:00	05/17/10 15:20
LL_W7_051710_01	T000468-04	Water	05/17/10 13:45	05/17/10 15:20
LL_W10_051710_01	T000468-05	Water	05/17/10 14:30	05/17/10 15:20
LL_W10_051710_02	T000468-06	Water	05/17/10 15:00	05/17/10 15:20
TB_051710	T000468-07	Water	05/17/10 00:00	05/17/10 15:20

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_MW503B_051710_01
T000468-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**2900**	50	ug/l	1	0051803	05/18/10	05/20/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*99.1 %*	*72.6-146*		"	"	"	"	
Metals by SM 3500 Series Methods									
Ferrous Iron	**2.61**	0.100	mg/l	1	0051715	05/17/10	05/19/10	EPA6010/SM 3500	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**12**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	**1.8**	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	**1.6**	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_MW503B_051710_01
T000468-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,3-Dichloropropane	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**35**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**1.4**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**44**	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	**5.7**	1.0	"	"	"	"	"	"	
Benzene	**91**	0.50	"	"	"	"	"	"	
Toluene	**1.0**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.2**	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.1**	1.0	"	"	"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_MW503B_051710_01
T000468-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate 4-Bromofluorobenzene		*189 %*	*77.1-110*		*0051802*	*05/18/10*	*05/20/10*	*EPA 8260B*	*S-GC*
Surrogate Dibromofluoromethane		*94.1 %*	*66.3-111*		*"*	*"*	*"*	*"*	
Surrogate Toluene-d8		*96.5 %*	*84.7-109*		*"*	*"*	*"*	*"*	
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051801	05/18/10	05/18/10	EPA 7199	I-02
Anions by EPA Method 300.0									
Sulfate as SO4	**7.19**	0.500	mg/l	1	0051714	05/17/10	05/18/10	EPA 300.0	
Nitrate as NO3	ND	0.500	"	"	"	"	"	"	
RSK-175									
Methane	**9980**	100	ug/l	100	0051716	05/17/10	05/24/10	RSK-175	
Weck Laboratories, Inc									
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods									
Alkalinity as CaCO3	**760**	10	mg/l	1	W0E0659	05/19/10	05/19/10	SM 2320B	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W8_051710_01
T000468-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**200**	50	ug/l	1	0051803	05/18/10	05/20/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*94.9 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W8_051710_01
T000468-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*106 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*91.6 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*93.5 %*	*84.7-109*		"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W8_051710_01
T000468-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051801	05/18/10	05/18/10	EPA 7199	

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Murex	Project: Cenco	**Reported:**
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	05/25/10 14:19
Tustin CA, 9	Project Manager: Jeremy Squire	

LL_W8_051710_02
T000468-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**210**	50	ug/l	1	0051803	05/18/10	05/20/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*95.5 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W8_051710_02
T000468-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**0.50**	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*104 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*91.6 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*91.4 %*	*84.7-109*		"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W8_051710_02
T000468-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051801	05/18/10	05/18/10	EPA 7199	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W7_051710_01
T000468-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**60**	50	ug/l	1	0051803	05/18/10	05/20/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*93.2 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	**1.9**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex	Project: Cenco	**Reported:**
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	05/25/10 14:19
Tustin CA, 9	Project Manager: Jeremy Squire	

LL_W7_051710_01
T000468-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**2.3**	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	**0.51**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*105 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*92.2 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*89.4 %*	*84.7-109*		"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W7_051710_01
T000468-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051801	05/18/10	05/18/10	EPA 7199	

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Murex	Project: Cenco	**Reported:**
2640 Walnut Ave. Unit F	Project Number: 1003-001-300	05/25/10 14:19
Tustin CA, 9	Project Manager: Jeremy Squire	

LL_W10_051710_01
T000468-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**9500**	50	ug/l	1	0051803	05/18/10	05/20/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*81.2 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	**2.0**	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**2.5**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	**2.7**	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W10_051710_01
T000468-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**16**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**1.3**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**130**	50	"	50	"	"	05/20/10	"	
n-Propylbenzene	**20**	1.0	"	1	"	"	05/20/10	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	**1.4**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**13**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**70**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**3900**	25	"	50	"	"	05/20/10	"	
Toluene	**7.4**	0.50	"	1	"	"	05/20/10	"	
Ethylbenzene	**230**	25	"	50	"	"	05/20/10	"	
m,p-Xylene	**280**	50	"	"	"	"	"	"	
o-Xylene	**1.9**	0.50	"	1	"	"	05/20/10	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*126 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*78.5 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*87.1 %*	*84.7-109*		"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W10_051710_01
T000468-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051801	05/18/10	05/18/10	EPA 7199	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

LL_W10_051710_02
T000468-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**10000**	50	ug/l	1	0051803	05/18/10	05/20/10	EPA 8015C	
Surrogate 4-Bromofluorobenzene		*79.1 %*	*72.6-146*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**2.8**	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	**4.2**	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

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LL_W10_051710_02
T000468-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	**19**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**1.4**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**110**	50	"	50	"	"	05/20/10	"	
n-Propylbenzene	**24**	1.0	"	1	"	"	05/20/10	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**14**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**82**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**2900**	25	"	50	"	"	05/20/10	"	
Toluene	**10**	0.50	"	1	"	"	05/20/10	"	
Ethylbenzene	**160**	25	"	50	"	"	05/20/10	"	
m,p-Xylene	**180**	50	"	"	"	"	"	"	
o-Xylene	**1.7**	0.50	"	1	"	"	05/20/10	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	**15**	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*130 %*	*77.1-110*		"	"	"	"	*S-GC*
Surrogate Dibromofluoromethane		*92.5 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*97.4 %*	*84.7-109*		"	"	"	"	

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LL_W10_051710_02
T000468-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Conventional Chemistry Parameters by APHA/EPA Methods									
Hexavalent Chromium	ND	1.00	ug/l	1	0051801	05/18/10	05/18/10	EPA 7199	

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TB_051710
T000468-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	

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TB_051710
T000468-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Isopropylbenzene	ND	1.0	ug/l	1	0051802	05/18/10	05/20/10	EPA 8260B	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*91.4 %*	*77.1-110*		"	"	"	"	
Surrogate Dibromofluoromethane		*83.1 %*	*66.3-111*		"	"	"	"	
Surrogate Toluene-d8		*95.9 %*	*84.7-109*		"	"	"	"	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051803 - EPA 5030 GC										
Blank (0051803-BLK1)				Prepared: 05/18/10	Analyzed: 05/20/10					
Surrogate 4-Bromofluorobenzene	*183*		*ug/l*	*200*		*91.4*	*72.6-146*			
C6-C12 (GRO)	ND	50	"							
LCS (0051803-BS1)				Prepared: 05/18/10	Analyzed: 05/20/10					
Surrogate 4-Bromofluorobenzene	*201*		*ug/l*	*200*		*101*	*72.6-146*			
C6-C12 (GRO)	6030	50	"	5500		110	75-125			
LCS Dup (0051803-BSD1)				Prepared: 05/18/10	Analyzed: 05/20/10					
Surrogate 4-Bromofluorobenzene	*165*		*ug/l*	*200*		*82.3*	*72.6-146*			
C6-C12 (GRO)	5390	50	"	5500		97.9	75-125	11.3	20	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

Metals by SM 3500 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051715 - EPA 3010A										
Blank (0051715-BLK1)				Prepared: 05/17/10		Analyzed: 05/19/10				
Ferrous Iron	ND	0.100	mg/l							
LCS (0051715-BS1)				Prepared: 05/17/10		Analyzed: 05/19/10				
Ferrous Iron	0.491	0.100	mg/l	0.526		93.3	80-120			
Matrix Spike (0051715-MS1)		**Source: T000468-01**		Prepared: 05/17/10		Analyzed: 05/19/10				
Ferrous Iron	4.19	0.100	mg/l	0.526	2.61	300	75-125			QM-07
Matrix Spike Dup (0051715-MSD1)		**Source: T000468-01**		Prepared: 05/17/10		Analyzed: 05/19/10				
Ferrous Iron	2.48	0.100	mg/l	0.526	2.61	NR	75-125	51.2	20	QM-07

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051802 - EPA 5030 GCMS										
Blank (0051802-BLK1)				Prepared: 05/18/10 Analyzed: 05/20/10						
Surrogate 4-Bromofluorobenzene	*8.27*		*ug/l*	*8.00*		*103*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.25*		*"*	*8.00*		*90.6*	*66.3-111*			
Surrogate Toluene-d8	*7.27*		*"*	*8.00*		*90.9*	*84.7-109*			
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051802 - EPA 5030 GCMS										
Blank (0051802-BLK1)				Prepared: 05/18/10 Analyzed: 05/20/10						
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051802 - EPA 5030 GCMS										
LCS (0051802-BS1)				Prepared: 05/18/10 Analyzed: 05/20/10						
Surrogate 4-Bromofluorobenzene	*7.57*		*ug/l*	*8.00*		*94.6*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.27*		*"*	*8.00*		*90.9*	*66.3-111*			
Surrogate Toluene-d8	*7.53*		*"*	*8.00*		*94.1*	*84.7-109*			
Chlorobenzene	16 5	1.0	"	20.0		82.3	75-125			
1,1-Dichloroethene	15.6	1.0	"	20.0		78.0	75-125			
Trichloroethene	18 1	1.0	"	20.0		90.3	75-125			
Benzene	16 5	0.50	"	20.0		82.6	75-125			
Toluene	16 1	0.50	"	20.0		80.6	75-125			
LCS Dup (0051802-BSD1)				Prepared: 05/18/10 Analyzed: 05/20/10						
Surrogate 4-Bromofluorobenzene	*7.66*		*ug/l*	*8.00*		*95.8*	*77.1-110*			
Surrogate Dibromofluoromethane	*7.18*		*"*	*8.00*		*89.8*	*66.3-111*			
Surrogate Toluene-d8	*7.87*		*"*	*8.00*		*98.4*	*84.7-109*			
Chlorobenzene	17 1	1.0	"	20.0		85.7	75-125	4.05	20	
1,1-Dichloroethene	16.4	1.0	"	20.0		81.8	75-125	4.76	20	
Trichloroethene	18.7	1.0	"	20.0		93.7	75-125	3.70	20	
Benzene	17 2	0.50	"	20.0		86.1	75-125	4.15	20	
Toluene	17 2	0.50	"	20.0		85.8	75-125	6.13	20	

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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051801 - General Preparation										
Blank (0051801-BLK1)				Prepared & Analyzed: 05/18/10						
Hexavalent Chromium	ND	1.00	ug/l							
LCS (0051801-BS1)				Prepared & Analyzed: 05/18/10						
Hexavalent Chromium	24.8	1.00	ug/l	25.0		99.3	85-115			
Matrix Spike (0051801-MS1)		**Source: T000468-04**		Prepared & Analyzed: 05/18/10						
Hexavalent Chromium	23 2	1.00	ug/l	25.0	ND	92.9	85-115			
Matrix Spike Dup (0051801-MSD1)		**Source: T000468-04**		Prepared & Analyzed: 05/18/10						
Hexavalent Chromium	23.7	1.00	ug/l	25.0	ND	94.6	85-115	1.84	20	

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Anions by EPA Method 300.0 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051714 - General Preparation										
Blank (0051714-BLK1)				Prepared: 05/17/10		Analyzed: 05/18/10				
Sulfate as SO4	ND	0.500	mg/l							
Nitrate as NO3	ND	0.500	"							
LCS (0051714-BS1)				Prepared: 05/17/10		Analyzed: 05/18/10				
Sulfate as SO4	10 5	0.500	mg/l	10.0		105	80-120			
Nitrate as NO3	11.6	0.500	"	11.1		104	80-120			
Matrix Spike (0051714-MS1)		**Source: T000468-01**		Prepared: 05/17/10		Analyzed: 05/18/10				
Sulfate as SO4	17 9	0.500	mg/l	10.0	7.19	107	80-120			
Nitrate as NO3	11.4	0.500	"	11.1	ND	102	80-120			
Matrix Spike Dup (0051714-MSD1)		**Source: T000468-01**		Prepared: 05/17/10		Analyzed: 05/18/10				
Sulfate as SO4	17.4	0.500	mg/l	10.0	7.19	103	80-120	2.42	20	
Nitrate as NO3	11 2	0.500	"	11.1	ND	101	80-120	1.64	20	

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RSK-175 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0051716 - EPA 3810m Headspace										
Blank (0051716-BLK1)				Prepared: 05/17/10	Analyzed: 05/24/10					
Methane	ND	1.00	ug/l							
Duplicate (0051716-DUP1)		**Source: T000468-01**		Prepared: 05/17/10	Analyzed: 05/24/10					
Methane	11500	100	ug/l		9980			14.1	20	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods - Quality Control

Weck Laboratories, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W0E0659 - General Preparation										
Blank (W0E0659-BLK1)				Prepared & Analyzed: 05/19/10						
Alkalinity as CaCO3	ND	10	mg/l							
LCS (W0E0659-BS1)				Prepared & Analyzed: 05/19/10						
Alkalinity as CaCO3	255	10	mg/l	250		102	94-108			
Duplicate (W0E0659-DUP1)		**Source: T000468-01**		Prepared & Analyzed: 05/19/10						
Alkalinity as CaCO3	785	10	mg/l		761			3	15	

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Murex 2640 Walnut Ave. Unit F Tustin CA, 9	Project: Cenco Project Number: 1003-001-300 Project Manager: Jeremy Squire	**Reported:** 05/25/10 14:19

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
QM-07	The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
I-02	This result was analyzed outside of the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Appendix C

Table III
Summary of TPHg Concentrations
Former Cenco Refinery
Santa Fe Springs, CA
1Q2010

Well ID	TPHg (ug/L)	Sampling Date
EW-1	NS-FP	N/A
MW-101	NS-DRY	N/A
MW-103	NS-DRY	N/A
MW-104A	ND<50	3/3/2010
MW-105	NS-DRY	N/A
MW-106A	590	3/5/2010
MW-107A	1,100	3/5/2010
MW-107A (Duplicate)	1,300	3/5/2010
MW-201	NS-DRY	N/A
MW-202	NS-DRY	N/A
MW-203	NS-DRY	N/A
MW-204	NS-DRY	N/A
MW-205	NS-DRY	N/A
MW-501A	NS-DRY	N/A
MW-502	NS-DRY	N/A
MW-503B	2,800	3/8/2010
MW-504	NS-DRY	N/A
MW-600A	NS-DRY	N/A
MW-601A	NS-DRY	N/A
MW-603	NS-DRY	N/A
MW-604	NS-DRY	N/A
MW-605	NS-DRY	N/A
MW-606	NS-DRY	N/A
MW-607	NS-DRY	N/A
W-1	270	3/5/2010
W-3A	NS-FP	N/A
W-4	600	3/5/2010
W-7	65	3/4/2010
W-8	220	3/4/2010
W-9	ND<50	3/3/2010
W-10	12,000	3/8/2010
W-10 (Duplicate)	8,600	3/8/2010
W-11	NS-FP	N/A
W-12	400	3/4/2010
W-14A	ND<50	3/1/2010
W-14B	99	3/1/2010
W-14C	300	3/1/2010
W-15A	240	3/2/2010
W-15B	220	3/2/2010
W-15C	ND<50	3/2/2010
W-16A	220	3/5/2010

Table III
Summary of TPHg Concentrations
Former Cenco Refinery
Santa Fe Springs, CA
1Q2010

Well ID	TPHg (ug/L)	Sampling Date
W-16B	73	3/8/2010
W-16C	95	3/8/2010
W-17A	51	3/3/2010
W-17B	ND<50	3/3/2010
W-17C	ND<50	3/4/2010

Notes:

ug/L micrograms per liter
ND< Not detected above the laboratory detection limit
NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA

		Well ID:	EW-1	MW-101	MW-103	MW-104A	MW-105	MW-106A	MW-107A		MW-201	MW-202	MW-203	MW-204
		Sampling Date:	NS-FP	NS-DRY	NS-DRY	3/3/2010	NS-DRY	3/5/2010	3/5/2010		NS-DRY	NS-DRY	NS-DRY	NS-DRY
Analyte	**Detection Limit (ug/L)**	**MCL**								Duplicate				
Benzene	0.5	1.00				ND		**8.4**	**17**	**16**				
n -Butylbenzene	1.0	NA				ND		ND	ND	ND				
sec -Butylbenzene	1.0	NA				ND		1.1	4.4	4.3				
tert -Butylbenzene	1.0	NA				ND		ND	ND	ND				
Chlorobenzene	1.0	NA				ND		ND	ND	ND				
Chloroethane	1.0	NA				ND		ND	5.9	ND				
Chloromethane	1.0	NA				ND		ND	ND	ND				
1,1-Dichloroethane	1.0	5				ND		ND	ND	ND				
1,2-Dichloroethane	0.5	0.5				ND		ND	ND	ND				
1,1-Dichloroethene	1.0	6				ND		ND	ND	ND				
cis -1,2-Dichloroethene	1.0	6				3.7		3.5	**6.8**	**6.4**				
trans -1,2-Dichloroethene	1.0	10				ND		2	7.6	7.4				
1,2-Dichloropropane	1.0	5				ND		ND	ND	ND				
Ethylbenzene	0.5	300				ND		ND	1.6	1.7				
Isopropylbenzene	1.0	NA				ND		5.6	24	25				
p -Isopropyltoluene	1.0	NA	NS-FP	NS-DRY	NS-DRY	ND	NS-DRY	ND	ND	ND	NS-DRY	NS-DRY	NS-DRY	NS-DRY
Methylene Chloride	1.0	5				ND		ND	ND	ND				
Naphthalene	1.0	NA				ND		ND	6	5.6				
n -Propylbenzene	1.0	NA				ND		2.5	20	22				
Tetrachloroethene	1.0	5				ND		ND	ND	ND				
Toluene	0.5	150				ND		ND	0.68	0.66				
Trichloroethene	1.0	5				ND		ND	4.6	4.3				
Trichlorofluoromethane	1.0	150				ND		ND	ND	ND				
1,2,4-Trimethylbenzene	1.0	NA				ND		ND	ND	ND				
1,3,5-Trimethylbenzene	1.0	NA				ND		ND	ND	ND				
Vinyl Chloride	1.0	0.5				ND		ND	ND	ND				
p/m -Xylenes	1.0	1,750				ND		ND	8.8	9				
o -Xylene	0.5	1,750				ND		ND	ND	ND				
Xylenes, total	1.0	1,750				ND		ND	8.8	9				
Diisopropyl Ether (DIPE)	2.0	NA				ND		ND	ND	ND				
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13				ND		ND	ND	ND				
tert -Butyl Alcohol (TBA)	1.0	NA				ND		ND	ND	ND				

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA

Analyte	Detection Limit (ug/L)	MCL	MW-205	MW-501A	MW-502	MW-503B	MW-504	MW-600A	MW-601A	MW-603	MW-604	MW-605	MW-606	MW-607
		Sampling Date:	NS-DRY	NS-DRY	NS-DRY	3/8/2010	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY
Benzene	0.5	1.00				**40**								
n -Butylbenzene	1.0	NA				1.5								
sec -Butylbenzene	1.0	NA				12								
tert -Butylbenzene	1.0	NA				1.7								
Chlorobenzene	1.0	NA				ND								
Chloroethane	1.0	NA				ND								
Chloromethane	1.0	NA				ND								
1,1-Dichloroethane	1.0	5				ND								
1,2-Dichloroethane	0.5	0.5				ND								
1,1-Dichloroethene	1.0	6				ND								
cis -1,2-Dichloroethene	1.0	6				ND								
trans -1,2-Dichloroethene	1.0	10				ND								
1,2-Dichloropropane	1.0	5				ND								
Ethylbenzene	0.5	300				1.7								
Isopropylbenzene	1.0	NA				34								
p -Isopropyltoluene	1.0	NA	NS-DRY	NS-DRY	NS-DRY	ND	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY	NS-DRY
Methylene Chloride	1.0	5				ND								
Naphthalene	1.0	NA				ND								
n -Propylbenzene	1.0	NA				39								
Tetrachloroethene	1.0	5				ND								
Toluene	0.5	150				1.4								
Trichloroethene	1.0	5				ND								
Trichlorofluoromethane	1.0	150				ND								
1,2,4-Trimethylbenzene	1.0	NA				ND								
1,3,5-Trimethylbenzene	1.0	NA				ND								
Vinyl Chloride	1.0	0.5				**6.7**								
p/m -Xylenes	1.0	1,750				1.5								
o -Xylene	0.5	1,750				ND								
Xylenes, total	1.0	1,750				1.5								
Diisopropyl Ether (DIPE)	2.0	NA				ND								
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13				2.9								
tert -Butyl Alcohol (TBA)	1.0	NA				ND								

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA

		Well ID:	W-1	W-3A	W-4	W-7	W-8	W-9	W-10		W-11	W-12	W-14A	W-14B
		Sampling Date:	3/5/2010	NS-FP	3/5/2010	3/4/2010	3/4/2010	3/3/2010	3/8/2010		NS-FP	3/4/2010	3/1/2010	3/1/2010
Analyte	**Detection Limit (ug/L)**	**MCL**								Duplicate				
Benzene	0.5	1.00	**3.3**	NS-FP	**1.5**	ND	ND	ND	**4200**	**3100**	NS-FP	ND	ND	ND
n -Butylbenzene	1.0	NA	ND		ND	ND	ND	ND	ND	ND<500		3.6	ND	ND
sec -Butylbenzene	1.0	NA	ND		1.6	ND	ND	ND	2.4	ND<500		2.8	ND	ND
tert -Butylbenzene	1.0	NA	ND		ND	ND	ND	ND	12	ND<500		ND	ND	ND
Chlorobenzene	1.0	NA	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
Chloroethane	1.0	NA	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
Chloromethane	1.0	NA	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
1,1-Dichloroethane	1.0	5	ND		ND	2	ND	ND	ND	ND<500		ND	ND	ND
1,2-Dichloroethane	0.5	0.5	ND		ND	ND	ND	ND	**7.3**	ND<250		ND	ND	ND
1,1-Dichloroethene	1.0	6	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
cis -1,2-Dichloroethene	1.0	6	ND		3.7	ND	ND	1.9	ND	ND<500		ND	1.7	5.6
trans -1,2-Dichloroethene	1.0	10	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
1,2-Dichloropropane	1.0	5	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
Ethylbenzene	0.5	300	ND		ND	ND	ND	ND	200	ND<250		2.1	ND	ND
Isopropylbenzene	1.0	NA	2.5		13	ND	ND	ND	17	ND<500		3.9	ND	ND
p -Isopropyltoluene	1.0	NA	ND		ND	ND	ND	ND	1.6	ND<500		ND	ND	ND
Methylene Chloride	1.0	5	ND		ND	ND	ND	ND	ND<1	ND<500		ND	ND	ND
Naphthalene	1.0	NA	ND		ND	ND	ND	ND	110	ND<500		1.5	ND	ND
n -Propylbenzene	1.0	NA	1		11	ND	ND	ND	23	ND<500		9.8	ND	ND
Tetrachloroethene	1.0	5	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
Toluene	0.5	150	ND		ND	ND	0.85	ND	4.4	ND<250		ND	ND	ND
Trichloroethene	1.0	5	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	**12**
Trichlorofluoromethane	1.0	150	ND		ND	ND	ND	ND	ND	ND<500		ND	ND	ND
1,2,4-Trimethylbenzene	1.0	NA	ND		ND	ND	ND	ND	93	ND<500		ND	ND	ND
1,3,5-Trimethylbenzene	1.0	NA	ND		ND	ND	ND	ND	18	ND<500		ND	ND	ND
Vinyl Chloride	1.0	0.5	**1.3**		**7.4**	ND	ND	ND	ND	ND<500		ND	ND	ND
p/m -Xylenes	1.0	1,750	ND		ND	ND	ND	ND	280	ND<500		ND	ND	ND
o -Xylene	0.5	1,750	ND		ND	ND	ND	ND	1.6	ND<250		ND	ND	ND
Xylenes, total	1.0	1,750	ND		ND	ND	ND	ND	281.6	ND<250		ND	ND	ND
Diisopropyl Ether (DIPE)	2.0	NA	ND		ND	ND	ND	ND	ND<2.0	ND<1000		ND	ND	ND
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13	ND		ND	ND	ND	ND	ND<1.0	ND<500		ND	ND	ND
tert -Butyl Alcohol (TBA)	1.0	NA	ND		ND	ND	ND	ND	ND<10	ND<5000		ND	ND	ND

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table IV
Summary of VOC and Oxygenate Concentrations
Former CENCO Refinery
Santa Fe Springs, CA

		Well ID:	W-14C	W-15A	W-15B	W-15C	W-16A	W-16B	W-16C	W-17A	W-17B	W-17C
		Sampling Date:	3/1/2010	3/2/2010	3/2/2010	3/2/2010	3/5/2010	3/8/2010	3/8/2010	3/3/2010	3/3/2010	3/4/2010
Analyte	**Detection Limit (ug/L)**	**MCL**										
Benzene	0.5	1.00	**1.6**	0.93	**3.8**	ND	**4.2**	**8.6**	**2.5**	ND	ND	ND
n -Butylbenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec -Butylbenzene	1.0	NA	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
tert -Butylbenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.0	NA	ND	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND
Chloromethane	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	5	2.4	ND	ND	ND	ND	ND	1.6	ND	ND	ND
1,2-Dichloroethane	0.5	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1.0	6	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis -1,2-Dichloroethene	1.0	6	**34**	ND	ND	1.4	ND	5.8	**9.1**	1.6	ND	ND
trans -1,2-Dichloroethene	1.0	10	5.8	ND	ND	ND	ND	3.7	1.2	ND	ND	ND
1,2-Dichloropropane	1.0	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.5	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.0	NA	ND	2.9	4.6	ND	1.4	ND	ND	ND	ND	ND
p -Isopropyltoluene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.0	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n -Propylbenzene	1.0	NA	ND	4.3	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.0	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.5	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.0	5	**13**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1.0	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1.0	0.5	ND	ND	ND	ND	**2.9**	ND	ND	ND	ND	ND
p/m -Xylenes	1.0	1,750	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o -Xylene	0.5	1,750	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	1.0	1,750	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	2.0	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-*tert* -Butyl Ether (MTBE)	1.0	13	ND	**44**	5	ND	ND	ND	ND	ND	ND	ND
tert -Butyl Alcohol (TBA)	1.0	NA	ND	94	ND	ND	ND	ND	ND	14	ND	ND

Notes:

NS-I Not sampled (inaccessible)
NS-DRY Not sampled (dry well)
NS-FP Not sampled (free product in well)
NA Not available
ND Not detected above laboratory detection limit
MCL Maximum contaminant limit (CA DHS)
BOLD Exceeds MCL

Table V
Summary of Hexavalent Chromium Concentration
Former Cenco Refinery
Santa Fe Springs, CA

Well ID	Cr^{+6} (ug/L)	Sampling Date
EW-1	NS-FP	N/A
MW-101	NS-DRY	N/A
MW-103	NS-DRY	N/A
MW-104A	ND<1.0	3/3/2010
MW-105	NS-DRY	N/A
MW-106A	ND<1.0	3/5/2010
MW-107A	ND<1.0	3/5/2010
MW-107A (Duplicate)	ND<1.0	3/5/2010
MW-201	NS-DRY	N/A
MW-202	NS-DRY	N/A
MW-203	NS-DRY	N/A
MW-204	NS-DRY	N/A
MW-205	NS-DRY	N/A
MW-501A	NS-DRY	N/A
MW-502	NS-DRY	N/A
MW-503B	ND<1.0	3/8/2010
MW-504	NS-DRY	N/A
MW-600A	NS-DRY	N/A
MW-601A	NS-DRY	N/A
MW-603	NS-DRY	N/A
MW-604	NS-DRY	N/A
MW-605	NS-DRY	N/A
MW-606	NS-DRY	N/A
MW-607	NS-DRY	N/A
W-1	ND<1.0	3/5/2010
W-3A	NS-FP	N/A
W-4	ND<1.0	3/5/2010
W-4 (Duplicate)	ND<1.0	3/5/2010
W-7	ND<1.0	3/4/2010
W-8	ND<1.0	3/4/2010
W-9	ND<1.0	3/3/2010
W-10	ND<1.0	3/8/2010
W-10 (Duplicate)	ND<1.0	3/8/2010
W-11	NS-FP	N/A
W-12	ND<1.0	3/4/2010
W-14A	ND<1.0	3/1/2010
W-14B	ND<1.0	3/1/2010
W-14C	ND<1.0	3/1/2010
W-15A	ND<1.0	3/2/2010

W-15B	ND<1.0	3/2/2010
W-15C	ND<1.0	3/2/2010
W-16A	ND<1.0	3/5/2010
W-16B	ND<1.0	3/8/2010
W-16C	ND<1.0	3/8/2010
W-17A	ND<1.0	3/3/2010
W-17B	ND<1.0	3/3/2010
W-17C	ND<1.0	3/4/2010

Notes:

ug/L micrograms per liter

ND< Not detected above the laboratory detection limit

NS-I Not sampled (inaccessible)

NS-DRY Not sampled (dry well)

NS-FP Not sampled (free product in well)

Table 3
TPHg Concentrations in Groundwater

Third Quarter 2009 Groundwater Monitoring Report
Isola Law Group, LLP
Former CENCO Refinery
Santa Fe Springs, California

Well ID	Sample ID	Date	TPHg
MW-104A	MW-104A-0709	7/24/2009	ND<50
MW-105	MW-105-0709	7/24/2009	**40 J**
	MW-105-0709-D		**48 J**
MW-106A	MW-106A-0709	7/27/2009	**280**
MW-107A	MW-107A-0709	7/28/2009	**1,800**
	MW-107A-0709-D		**1,400**
MW-201	MW-201-0709	7/29/2009	**830**
	MW-201-0709-D		**840**
MW-203	MW-203-0709	7/27/2009	**120**
MW-503B	MW-503B-0709	7/29/2009	**7,100**
MW-603	MW-603-0709	7/21/2009	**79**
W-1	W-1-0709	7/28/2009	**170**
W-4	W-4-0709	7/28/2009	**59**
W-7	W-7-0709	7/22/2009	ND<50
W-8	W-8-0709	7/22/2009	**190**
W-9	W-9-0709	7/24/2009	ND<50
W-10	W-10-0709	7/28/2009	**14,000**
W-12	W-12-0709	7/27/2009	**2,300**
W-14A	W-14A-0709	7/21/2009	**32 J**
W-14B	W-14B-0709	7/21/2009	**170**
W-14C	W-14C-0709	7/22/2009	**180 ZX**
W-15A	W-15A-0709	7/22/2009	**610**
W-15B	W-15B-0709	7/23/2009	**260**
W-15C	W-15C-0709	7/23/2009	**40 J**
W-16A	W-16A-0709	7/28/2009	**150**
W-16B	W-16B-0709	7/29/2009	**30 J**
W-16C	W-16C-0709	7/29/2009	**750**
W-17A	W-17A-0709	7/24/2009	**50**
W-17B	W-17B-0709	7/24/2009	ND<50
W-17C	W-17C-0709	7/27/2009	ND<50

Notes:

All units in micrograms per liter.

Detections are bolded.

TPHg was analyzed via U.S. Environmental Protection Agency Method 8015M.

No California Department of Public Health Maximum Contaminant Level exists for TPHg.

J = estimated concentration below reporting limit

ND< = not detected at the indicated reporting limit

TPHg = total petroleum hydrocarbons as gasoline

ZX = surrogate recovery outside acceptance limits due to sample matrix effects

Table 4
VOC and Oxygenate Concentrations in Groundwater

Third Quarter 2009 Groundwater Monitoring Report
Isola Law Group, LLP
Former CENCO Refinery
Santa Fe Springs, California

	Well ID:	**MW-104A**	**MW-105**		**MW-106A**	**MW-107A**		**MW-201**		**MW-203**	**MW-503B**
	Sample ID:	**MW-104A-0709**	**MW-105-0709**	**MW-105-0709-D**	**MW-106A-0709**	**MW-107A-0709**	**MW-107A-0709-D**	**MW-201-0709**	**MW-201-0709-D**	**MW-203-0709**	**MW-503B-0709**
	Date:	**7/24/2009**	**7/24/2009**		**7/27/2009**	**7/28/2009**		**7/29/2009**		**7/27/2009**	**7/29/2009**
Analyte	**California MCL**										
Benzene	1	ND<2.0	**0.33 J**	**0.31 J**	**3.7**	**94**	**95**	**40**	**49**	**0.56 J**	**470**
n-Butylbenzene	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**1.7 J**	**1.7 J**	ND<5.0	ND<5.0	ND<5.0	**17 J**
sec-Butylbenzene	NA	ND<5.0	ND<5.0	ND<5.0	**2.3 J**	**5.1**	**5.7**	**0.36 J**	**0.35 J**	ND<5.0	**20 J**
tert-Butylbenzene	NA	ND<5.0	ND<5.0	ND<5.0	**0.79 J**	**0.71 J**	**0.85 J**	ND<5.0	ND<5.0	ND<5.0	**1.6 J**
Chlorobenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10
Chloroethane	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<25
Chloromethane	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**1.4 J**	ND<5.0	ND<5.0	ND<25
1,1-Dichloroethane	5	ND<2.0	**2.3**	**2.2**	**0.65 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.59 J**	ND<10
1,2-Dichloroethane	0.5	ND<2.0	**0.66 J**	**0.64 J**	ND<2.0	ND<2.0	ND<2.0	**1.3 J**	**1.3 J**	ND<2.0	**2.7 J**
1,1-Dichloroethene	6	ND<5.0	**3.6 J**	**3.4 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<25
cis-1,2-Dichloroethene	6	**4.1**	**5.0**	**4.8**	**3.7**	**7.0**	**7.4**	**5.2**	**5.4**	**9.3**	**4.9 J**
trans-1,2-Dichloroethene	10	**0.45 J**	**1.4 J**	**1.4 J**	**1.7 J**	**8.4**	**8.7**	ND<2.0	ND<2.0	**1.3 J**	ND<10
1,2-Dichloropropane	5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10
Ethylbenzene	300	ND<2.0	ND<2.0	ND<2.0	**0.33 J**	**13**	**12**	**1.8 J**	**2.8**	ND<2.0	**63**
Isopropylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	**12**	**37**	**37**	**1.3 J**	**1.5 J**	ND<2.0	**150**
p-Isopropyltoluene	NA	ND<2.0	ND<2.0	ND<2.0	**0.62 J**	**0.44 J**	**0.42 J**	**0.40 J**	**0.49 J**	ND<2.0	**1.8 J**
Methylene Chloride	5	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**1.3 J**	**1.2 J**	ND<5.0	ND<25
Naphthalene	NA	ND<5.0	ND<5.0	ND<5.0	**0.52 J**	**7.5**	**4.7 J**	**1.0 J**	ND<5.0	ND<5.0	**38**
n-Propylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	**6.7**	**36**	**33**	**1.2 J**	**1.0 J**	ND<2.0	**290**
Tetrachloroethene	5	ND<2.0	**6.0**	**5.8**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10
Toluene	150	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.90 J**	**0.93 J**	**0.87 J**	**1.2 J**	ND<2.0	**30**
Trichloroethene	5	**0.53 J**	**24**	**24**	ND<2.0	**2.8**	**2.7**	ND<2.0	ND<2.0	ND<2.0	ND<10
Trichlorofluoromethane	150	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<25
1,2,4-Trimethylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.69 J**	**0.70 J**	ND<2.0	**0.26 J**	ND<2.0	ND<10
1,3,5-Trimethylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**1.5 J**	**1.4 J**	**0.34 J**	**0.38 J**	ND<2.0	**3.8 J**
Vinyl Chloride	0.5	ND<5.0	**0.54 J**	**0.57 J**	**7.8**	**0.48 J**	ND<5.0	**0.65 J**	**0.70 J**	**3.3 J**	**22 J**
p/m-Xylenes	1,750	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**49**	**42**	**2.7**	**3.6**	ND<2.0	**19**
o-Xylene	1,750	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.58 J**	**0.69 J**	ND<2.0	ND<2.0	ND<2.0	**1.5 J**
Xylenes, total	1,750	ND<4.0	ND<4.0	ND<4.0	ND<4.0	**49**	**43**	**2.9 J**	**3.8 J**	ND<4.0	**20**
Diisopropyl Ether (DIPE)	NA	ND<5.0	**0.41 J**	**0.42 J**	**0.43 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**0.35 J**	ND<25
Methyl-*tert*-Butyl Ether (MTBE)	13	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**9.3**	ND<25
tert-Butyl Alcohol (TBA)	NA	**15 J**	ND<50	ND<50	**19 J**	**58**	**49 J**	**27 J**	**32 J**	**36 J**	ND<250

Table 4
VOC and Oxygenate Concentrations in Groundwater

Third Quarter 2009 Groundwater Monitoring Report
Isola Law Group, LLP
Former CENCO Refinery
Santa Fe Springs, California

	Well ID:	**MW-603**	**W-1**	**W-4**	**W-7**	**W-8**	**W-9**	**W-10**	**W-12**	**W-14A**	**W-14B**	**W-14C**
	Sample ID:	**MW-603-0709**	**W-1-0709**	**W-4-0709**	**W-7-0709**	**W-8-0709**	**W-9-0709**	**W-10-0709**	**W-12-0709**	**W-14A-0709**	**W-14B-0709**	**W-14C-0709**
	Date:	**7/21/2009**	**7/28/2009**	**7/28/2009**	**7/22/2009**	**7/22/2009**	**7/24/2009**	**7/28/2009**	**7/27/2009**	**7/21/2009**	**7/21/2009**	**7/22/2009**
Analyte	**California MCL**											
Benzene	1	ND<2.0	**3.0**	ND<2.0	**0.36 J**	**0.52 J**	ND<2.0	**5,500**	ND<2.0	ND<2.0	ND<2.0	**1.3 J**
n-Butylbenzene	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**7.6 J**	**1.5 J**	ND<5.0	ND<5.0	ND<5.0
sec-Butylbenzene	NA	ND<5.0	**0.40 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**7.8 J**	**1.6 J**	ND<5.0	ND<5.0	**0.43 J**
tert-Butylbenzene	NA	ND<5.0	**0.67 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Chlorobenzene	NA	ND<2.0	**0.44 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Chloroethane	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Chloromethane	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0
1,1-Dichloroethane	5	**4.3**	**0.76 J**	**0.41 J**	**1.5 J**	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	**1.0 J**	**1.8 J**
1,2-Dichloroethane	0.5	**1.8 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<2.0	**0.29 J**
1,1-Dichloroethene	6	**55**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	**9.1**	**5.9**
cis-1,2-Dichloroethene	6	**19**	ND<2.0	**7.8**	ND<2.0	ND<2.0	**3.0**	ND<40	**2.8**	**0.52 J**	**5.3**	**20**
trans-1,2-Dichloroethene	10	**2.2**	**1.4 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	**1.4 J**	**4.1**
1,2-Dichloropropane	5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Ethylbenzene	300	ND<2.0	ND<2.0	ND<2.0	**0.28 J**	**0.40 J**	ND<2.0	**500**	**1.2 J**	ND<2.0	ND<2.0	ND<2.0
Isopropylbenzene	NA	ND<2.0	**1.5 J**	**0.71 J**	ND<2.0	ND<2.0	ND<2.0	**49**	**1.7 J**	ND<2.0	ND<2.0	**0.29 J**
p-Isopropyltoluene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Methylene Chloride	5	ND<5.0	ND<5.0	ND<5.0	**0.99 J**	**1.0 J**	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<5.0	**0.97 J**
Naphthalene	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**280**	ND<5.0	ND<5.0	ND<5.0	ND<5.0
n-Propylbenzene	NA	ND<2.0	**0.62 J**	**0.37 J**	ND<2.0	ND<2.0	ND<2.0	**78**	**3.1**	ND<2.0	ND<2.0	ND<2.0
Tetrachloroethene	5	**100**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	**10**	ND<2.0
Toluene	150	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.89 J**	ND<2.0	**130**	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Trichloroethene	5	**89**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<40	ND<2.0	**0.82 J**	**45**	**14**
Trichlorofluoromethane	150	**0.68 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0
1,2,4-Trimethylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.27 J**	ND<2.0	**250**	**0.23 J**	ND<2.0	ND<2.0	ND<2.0
1,3,5-Trimethylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**41**	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Vinyl Chloride	0.5	**1.1**	**8.7**	**1.9 J**	ND<5.0	ND<5.0	ND<5.0	ND<100	**1.3 J**	ND<5.0	ND<5.0	ND<5.0
p/m-Xylene	1,750	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**980**	ND<2.0	ND<2.0	ND<2.0	ND<2.0
o-Xylene	1,750	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**21 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Xylenes, total	1,750	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	**1,000**	ND<4.0	ND<4.0	ND<4.0	ND<4.0
Diisopropyl Ether (DIPE)	NA	ND<5.0	**0.46 J**	**0.36 J**	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<5.0	**0.34 J**
Methyl-*tert*-Butyl Ether (MTBE)	13	ND<5.0	**0.56 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	**0.46 J**	ND<5.0	ND<5.0	ND<5.0
tert-Butyl Alcohol (TBA)	NA	ND<50	**29 J**	**36 J**	ND<50	ND<50	**20 J**	ND<1,000	**31 J**	**11 J**	ND<50	ND<50

Table 4
VOC and Oxygenate Concentrations in Groundwater

Third Quarter 2009 Groundwater Monitoring Report
Isola Law Group, LLP
Former CENCO Refinery
Santa Fe Springs, California

	Well ID:	**W-15A**	**W-15B**	**W-15C**	**W-16A**	**W-16B**	**W-16C**	**W-17A**	**W-17B**	**W-17C**
	Sample ID:	**W-15A-0709**	**W-15B-0709**	**W-15C-0709**	**W-16A-0709**	**W-16B-0709**	**W-16C-0709**	**W-17A-0709**	**W-17B-0709**	**W-17C-0709**
	Date:	**7/22/2009**	**7/23/2009**	**7/23/2009**	**7/28/2009**	**7/29/2009**	**7/29/2009**	**7/24/2009**	**7/24/2009**	**7/27/2009**
Analyte	**California MCL**									
Benzene	1	**2.9**	**26**	**0.47 J**	**2.5**	**0.99 J**	**6.8**	**0.36 J**	ND<2.0	ND<2.0
n-Butylbenzene	NA	ND<5.0	**0.65 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
sec-Butylbenzene	NA	**0.82 J**	**0.86 J**	ND<5.0	**0.53 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
tert-Butylbenzene	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Chlorobenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**1.8 J**	ND<2.0	ND<2.0	ND<2.0
Chloroethane	NA	ND<5.0	ND<5.0	ND<5.0	**1.4 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Chloromethane	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
1,1-Dichloroethane	5	ND<2.0	ND<2.0	**0.61 J**	**0.51 J**	ND<2.0	**3.7**	ND<2.0	ND<2.0	ND<2.0
1,2-Dichloroethane	0.5	ND<2.0	ND<2.0	**0.28 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
1,1-Dichloroethene	6	ND<5.0	ND<5.0	**0.68 J**	ND<5.0	ND<5.0	**0.49 J**	**2.0 J**	ND<5.0	ND<5.0
cis-1,2-Dichloroethene	6	ND<2.0	ND<2.0	**2.8**	ND<2.0	**0.66 J**	**10**	**5.4**	**0.87 J**	**1.2 J**
trans-1,2-Dichloroethene	10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.88 J**	**3.0**	**1.5 J**	ND<2.0	ND<2.0
1,2-Dichloropropane	5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.54 J**	ND<2.0	ND<2.0	ND<2.0
Ethylbenzene	300	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**0.41 J**	ND<2.0	ND<2.0	ND<2.0
Isopropylbenzene	NA	**4.7**	**7.0**	ND<2.0	**1.7 J**	ND<2.0	ND<2.0	**0.45 J**	ND<2.0	ND<2.0
p-Isopropyltoluene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Methylene Chloride	5	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**1.5 J**	**1.7 J**	ND<5.0	ND<5.0	ND<5.0
Naphthalene	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
n-Propylbenzene	NA	**6.8**	**9.5**	ND<2.0	**0.55 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Tetrachloroethene	5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Toluene	150	ND<2.0	**0.43 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Trichloroethene	5	ND<2.0	ND<2.0	**2.0**	ND<2.0	ND<2.0	ND<2.0	**0.99 J**	**1.0 J**	**0.46 J**
Trichlorofluoromethane	150	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
1,2,4-Trimethylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
1,3,5-Trimethylbenzene	NA	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Vinyl Chloride	0.5	ND<5.0	ND<5.0	ND<5.0	**0.75 J**	ND<5.0	**2.4 J**	ND<5.0	ND<5.0	ND<5.0
p/m-Xylene	1,750	ND<2.0	**1.3 J**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
o-Xylene	1,750	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Xylenes, total	1,750	ND<4.0	**1.5 J**	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
Diisopropyl Ether (DIPE)	NA	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Methyl-*tert*-Butyl Ether (MTBE)	13	**110**	**18**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
tert-Butyl Alcohol (TBA)	NA	**190**	**96**	**15 J**	**25 J**	**8.2 J**	**8.7 J**	**49 J**	**16 J**	**22 J**

Notes:
All units in micrograms per liter.
Detections are bolded, and only detected analytes are shown on table.
Shaded results are equal to or exceed the California MCL.
Volatile organic compounds (VOCs) and oxygenates were analyzed using U.S. Environmental Protection Agency Method 8260B.
J = estimated concentration below reporting limit
MCL = California Department of Public Health Maximum Contaminant Level
NA = no MCL available
ND< = not detected at the indicated reporting limit

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
Operational Area 1: Bloomfield Property																									
MW-106	12/20/1995	0.79	--	ND<10	--	--	0.012	0.0035	0.01	0.01	--	--	--	--	--	--	0.033	--	--	--	--	--	--	--	--
	7/31/1996	0.6	--	--	0.0036	--	0.014	0.0022	0.009	ND<0.005	--	--	ND<0.0003	--	ND<0.0003	--	0.026	ND<0.0003	--	ND<0.0003	ND<0.0003	ND<0.0003	0.00054	ND<0 0003	--
	12/17/1996	0.36	--	--	ND<0.002	--	0.0031	ND<0.002	ND<0.002	ND<0.004	--	--	ND<0.002	ND<0.002	ND<0.002	--	0.063	ND<0.002	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	0.0027
	1/20/1998	0.8	--	--	ND<0.005	--	0.024	ND<0.005	0.0081	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.046	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.0073
	8/20/1998	1	--	--	ND<0.005	--	0.027	ND<0.005	0.084	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.43	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.0096
	1/27/1999	1.1	--	--	ND<0.005	--	21	ND<0.005	0.0085	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.047	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.009
	7/19/1999	0.89	--	--	ND<0.001	--	0.018	ND<0.001	0.0077	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.039	ND<0.001	--	ND<0.001	0.0017	ND<0.0005	0.0012	ND<0.001	0.007
	1/14/2000	1	--	--	ND<0.001	--	0.0041	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.02	ND<0.001	--	ND<0.001	0.0022	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	7/31/2000	ND<0.5	--	--	ND<0.001	--	0.0053	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.026	ND<0.001	--	ND<0.001	0.0027	ND<0.0005	ND<0.001	ND<0.001	0.001
	2/6/2001	0.53	--	--	ND<0.001	--	0.0023	ND<0.001	0.0013	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.035	ND<0.001	--	ND<0.001	0.002	ND<0.0005	0.0012	ND<0.001	ND<0.001
	7/24/2001	0.47	--	--	ND<0.001	--	0.0017	ND<0.001	ND<0.001	ND<0.001	--	--	0.0014	ND<0.001	ND<0.001	--	0.033	ND<0.001	--	ND<0.001	0.0018	ND<0.0005	0.001	ND<0.001	0.0018
	5/7/2002	0.43	--	--	ND<0.001	38	0.0024	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.022	ND<0.001	--	ND<0.001	0.0016	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	9/24/2002	0.12	--	--	ND<0.001	28	0.0035	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.024	ND<0.001	--	ND<0.001	0.0021	ND<0.0005	0.0011	ND<0.001	ND<0.001
	7/1/2004	0.26	--	--	ND<0.005	ND<0.1	0.0023J	0.00077	0.0011	ND<0.001	--	--	ND<0.005	--	ND<0.005	ND<0.005	0.015	ND<0.005	ND<0.005	--	0.002J	ND<0.005	0.002J	ND<0.005	ND<0.005
MW-107	12/21/1995	ND<0.5	--	ND<10	--	--	0.016	0.00099	0.00077	0.0029	--	--	--	--	--	--	0.028	--	--	--	--	--	--	--	--
	7/31/1996	0.6	--	--	0.11	--	0.031	0.0044	0.0066	ND<0.005	--	--	ND<0.0003	--	ND<0.0003	--	0.031	ND<0.0003	--	ND<0.0003	ND<0.0003	ND<0.0003	0.00045	ND<0.0003	--
	12/17/1996	0.38	--	--	ND<0.002	--	0.022	ND<0.005	ND<0.005	ND<0.01	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.08	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	1/20/1998	0.83	--	--	ND<0.005	--	0.042	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.12	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	8/20/1998	0.83	--	--	ND<0.005	--	0.028	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.098	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.0062
	1/27/1999	1.1	--	--	ND<0.005	--	0.036	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.1	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.0069
	7/19/1999	0.82	--	--	ND<0.005	--	0.038	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.12	ND<0.005	--	ND<0.005	ND<0.005	ND<0.0025	ND<0.005	ND<0.005	ND<0.005
	1/12/2000	1.7	--	--	ND<0.001	--	0.087	ND<0.001	0.0078	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.12	ND<0.001	--	ND<0.001	0.0016	ND<0.0005	0.0011	ND<0.001	0.011
	7/31/2000	1.7	--	--	ND<0.005	--	0.25	ND<0.005	0.02	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.043	ND<0.005	--	ND<0.005	0.0083	ND<0.0025	ND<0.005	ND<0.005	0.048
	2/6/2001	2.1	--	--	ND<0.001	--	0.18	ND<0.001	0.004	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.045	ND<0.001	--	ND<0.001	0.02	ND<0.0005	ND<0.001	ND<0.001	0.054
	7/26/2001	2	--	--	ND<0.002	--	0.22	ND<0.001	0.038	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.033	ND<0.001	--	ND<0.001	0.033	ND<0.0005	ND<0.001	ND<0.001	0.051
	5/9/2002	2.1	--	--	ND<0.002	26	0.31	ND<0.002	0.003	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	ND<2	0.0088	ND<0.002	--	ND<0.002	0.021	ND<0.001	ND<0.002	ND<0.002	0.045
	9/25/2002	2.2	--	--	ND<0.002	20	0.77	ND<0.002	0.0057	ND<0.004	ND<0.0005	ND<0.0005	ND<0.002	ND<0.002	ND<0.002	ND<2	0.0058	ND<0.002	--	ND<0.002	0.03	ND<0.001	ND<0.002	ND<0.002	0.063
	7/1/2004	--	--	--	--	--	--	--	--	--	--	--	ND<0.005	--	ND<0.005	0.013	ND<0.005	ND<0.005	ND<0.005	--	0.014	ND<0.005	ND<0.005	ND<0.005	0.13
MW-203	6/1/1988	--	--	--	--	--	0.046	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	0.076	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	0.064	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	0.11	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	0.11	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	0.08	ND<0.005	0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	0.1	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	0.09	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	0.088	0.002	0.007	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	0.13	ND<0.005	0.009	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	0.094	ND<0.005	0.007	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	0.1	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	0.1	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	0.14	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	0.13	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	0.12	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	0.085	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	0.046	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	0.064	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	0.069	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	0.086	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	0.086	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1993	--	--	--	--	--	0.04	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	0.039	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	0.027	ND<0.005	ND<0.005	ND<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	0.028	ND<0.002	ND<0.002	ND<0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	0.64	--	ND<5	--	--	0.037	0.001	0.012	0.0019	--	--	--	--	--	--	0.04	--	--	--	0.00061	--	--	--	--
	7/31/1996	0.5	--	--	ND<0.02	--	0.043	0.002	0.0018	ND<0.005	--	--	ND<0.0003	--	ND<0.0003	--	0.022	ND<0.0003	--	ND<0.0003	0.00034	ND<0.0003	ND<0.0003	ND<0.0003	--
	12/17/1996	0.16	--	--	ND<0.002	--	0.03	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0012
	1/20/1998	0.25	--	--	ND<0.005	--	0.024	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.028	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	8/20/1998	0.29	--	--	ND<0.005	--	0.017	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.035	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	1/27/1999	0.33	--	--	ND<0.005	--	0.012	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.035	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	7/19/1999	ND<0.5	--	--	ND<0.001	--	0.016	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.024	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	1/12/2000	ND<0.5	--	--	0.001	--	0.0078	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.014	ND<0.001	--	ND<0.001	ND<0.001	0.00053	ND<0.001	ND<0.001	ND<0.001
	7/31/2000	ND<0.5	--	--	ND<0.005	--	0.097	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.016	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	2/6/2001	ND<0.5	--	--	ND<0.001	--	0.013	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.025	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	7/24/2001	0.18	--	--	ND<0.001	--	0.014	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.024	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	5/8/2002	0.15	--	--	ND<0.001	30	0.0087	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.021	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	9/25/2002	0.16	--	--	ND<0.001	25	0.011	ND<0.001	ND<0.001	ND<0.02	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.027	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	7/1/2004	0.27	--	--	ND<0.005	ND<0.1	0.0092	0.0005J	0.00075	ND<0.001	ND<0.0005	ND<0.0005	ND<0.005	--	ND<0.005	--	0.024	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Operational Area 2: East Tank Farm Area																									
MW-103	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1988	--	--	--	--	--	0.97	0.074	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	0.3	ND<0.005	ND<0.005	0.008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	0.37	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-103	3/1/1989	--	--	--	--	--	0.94	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	0.7	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	1	0.03	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	0.21	ND<0.005	0.005	0.023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	0.88	ND<0.005	ND<0.005	0.055	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	0.2	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	0.35	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	ND<0.005	0.008	0.019	0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	4.8	ND<0.25	ND<0.25	ND<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	4.8	ND<0.25	ND<0.25	ND<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1993	--	--	--	--	--	1.3	0.088	0.062	0.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	1.4	ND<0.25	ND<0.25	ND<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	0.24	ND<0.01	ND<0.01	0.011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	0.16	ND<0.005	ND<0.005	ND<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	0.9	ND<0.05	ND<0.05	ND<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	4.1	--	ND<0.5	--	--	0.41	0.0041	0.0026	0.077	--	--	--	--	--	--	ND<0 0005	--	--	--	0.0022	0.0021	ND<0.0005	ND<0.0005	--
	7/31/1996	2.7	--	--	ND<0.01	--	0.34	0.005	ND<0.0005	0.012	--	--	ND<0.0003	--	ND<0.0003	--	0.0007	0.0012	--	0.011	0.017	0.0017	ND<0.0003	ND<0.0003	--
	12/17/1996	2.4	--	--	ND<0.01	--	0.2	ND<0.005	ND<0.005	ND<0.01	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	0.027	ND<0.005	ND<0.005	ND<0.005	0.006
	1/21/1998	1.3	--	--	ND<0.005	--	0.23	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.011
	8/19/1998	1.6	--	--	ND<0.005	--	0.22	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.011
	1/27/1999	1.9	--	--	ND<0.005	--	0.11	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.0071
	7/19/1999	1.8	--	--	ND<0.001	--	0.061	0.0011	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0012	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0088
	1/12/2000	1.5	--	--	0.0012	--	0.081	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.003	ND<0.001	--	ND<0.001	ND<0.001	0.004	ND<0.001	ND<0.001	0.0063
	8/4/2000	0.52	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0029	ND<0.001	--	ND<0.001	ND<0.001	0.0015	ND<0.001	ND<0.001	0.0035
	2/9/2001	0.65	--	--	ND<0.001	--	0.00087	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0024	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0047
	7/25/2001	1.3	--	--	0.0025	--	0.041	ND<0.001	ND<0.001	0.0027	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0025	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0041
	5/8/2002	0.2	--	--	ND<0.001	53	ND<0.0005	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.0013	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	9/25/2002	0.69	--	--	0.0014	40	0.04	ND<0.001	ND<0.001	0.0013	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.0016	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0067
MW-202	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	7.7	ND<0.5	2.6	6.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	0.4	0.007	0.029	0.042	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	0.5	0.01	0.048	0.042	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1995	6.5	--	--	--	--	0.33	0.021	0.051	0.074	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	4.8	--	--	0.062	--	0.64	0.015	ND<0.0005	0.032	--	--	ND<0.0003	--	ND<0.0003	--	0.002	ND<0.0003	--	0.0057	0.00054	0.00058	ND<0.0003	0.0004	--
	12/17/1996	7.4	--	--	ND<0.02	--	0.89	ND<0.05	ND<0.05	ND<0.1	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0 05	ND<0.05	ND<0.05	0.055
	1/21/1998	1.6	--	--	ND<0.005	--	0.45	ND<0.005	0.019	0.021	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.057
	8/18/1998	3.1	--	--	ND<0.005	--	0.28	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.049
	1/27/1999	2.3	--	--	ND<0.005	--	0.076	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.067
	7/19/1999	2.3	--	--	ND<0.002	--	0.036	0.0021	0.0037	0.0024	--	--	ND<0.002	ND<0.002	ND<0.002	--	0.0033	ND<0.002	--	ND<0.002	ND<0.002	ND<0.001	ND<0.002	ND<0.002	0.062
	1/11/2000	2.4	--	--	0.0012	--	0.049	ND<0.001	0.0024	0.0023	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0019	ND<0.001	--	ND<0.001	0.0022	ND<0.0005	ND<0.001	ND<0.001	0.046
	8/2/2000	1.4	--	--	ND<0.001	--	0.041	ND<0.001	ND<0.001	0.0018	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0046	ND<0.001	--	ND<0.001	0.011	ND<0.0005	ND<0.001	ND<0.001	0.035
	2/7/2000	1.1	--	--	ND<0.001	--	0.025	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0023	ND<0.001	--	ND<0.001	0.0073	ND<0.0005	ND<0.001	ND<0.001	0.0099
	7/24/2001	1.1	--	--	ND<0.001	--	0.038	ND<0.001	ND<0.001	0.0018	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	0.0018	ND<0.0005	ND<0.001	ND<0.001	0.0061
	5/8/2002	1.4	--	--	0.016	66	0.33	0.0029	0.0021	0.0038	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	0.0012	ND<0.0005	ND<0.001	ND<0.001	0.012
	9/26/2002	1	--	--	0.012	59	0.17	0.0078	0.014	0.0526	--	--	ND<0.005	ND<0.005	ND<0.005	ND<5	ND<0.005	ND<0.005	--	ND<0 005	ND<0.005	ND<0.0025	ND<0.005	ND<0.005	0.034
MW-204	6/1/1988	--	--	--	--	--	0.019	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	0.006	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	0.033	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	0.039	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	0.076	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	0.064	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	0.16	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	0.009	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	0.002	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	0.025	ND<0.005	ND<0.005	0.006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	0.027	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	0.047	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	0.09	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	0.11	0.071	ND<0.005	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	9/1/1992	--	--	--	--	--	**0.09**	**0.02**	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	**2.7**	**3.7**	ND<0.005	**1.06**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1/1993	--	--	--	--	--	**0.13**	**0.028**	**0.021**	**0.193**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	**0.78**	ND<0.05	ND<0.05	ND<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	**0.78**	ND<0.05	ND<0.05	ND<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	**5.5**	**0.63**	**0.19**	**0.99**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	**5**	**0.077**	**0.12**	**0.49**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	**6.9**	**4.7**	**0.65**	**3.7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	**12000**	--	ND<5	--	--	**0.88**	**0.67**	**0.24**	**0.86**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1996	**14**	--	--	**0.032**	--	**1.4**	**1.3**	**0.52**	**1.7**	--	--	ND<0.001	--	ND<0.001	--	**0.0029**	ND<0.001	--	ND<0.001	**0.0033**	**0.0072**	ND<0.001	ND<0.001	--
	12/17/1996	**2.1**	--	--	ND<0.2	--	**0.75**	**0.058**	ND<0.05	**ND<0.1**	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0 05	ND<0.05	ND<0.05	ND<0.05
	1/21/1998	**6**	--	--	**0.0051**	--	**2.3**	**0.079**	**0.21**	**0.5**	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.012**
MW-204	8/21/1998	**11**	--	--	ND<0.05	--	**5.1**	**0.51**	**0.52**	**1.73**	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05	**0.15**	ND<0.05	ND<0.05	ND<0.05
	1/28/1999	**10**	--	--	ND<0.05	--	**3.3**	**0.11**	**0.47**	**1.84**	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05	ND<0 05	ND<0.05	ND<0.05	ND<0.05
	1/28/1999DUP	**10**	--	--	**0.0052**	--	**3.1**	**0.12**	**0.53**	**2.08**	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0 005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.018**
	7/19/1999	**1.9**	--	--	**0.027**	--	**0.56**	ND<0.01	**0.11**	**0.23**	--	--	ND<0.01	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.005	ND<0.01	ND<0.01	ND<0.01
	1/11/2000	**2.1**	--	--	ND<0.01	--	**0.27**	ND<0.01	ND<0.01	**0.014**	--	--	ND<0.01	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.005	ND<0.01	ND<0.01	ND<0.01
	8/3/2000	**1.3**	--	--	ND<0.005	--	**0.4**	ND<0.005	**0.012**	**0.01**	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0 005	ND<0.005	ND<0.0025	ND<0.005	ND<0.005	**0.0082**
	2/8/2001	**1.2**	--	--	ND<0.001	--	**0.055**	**0.0014**	ND<0.001	**0.0015**	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	**0.0014**
	7/24/2001	**1.2**	--	--	**0.0016**	--	**0.2**	ND<0.001	**0.012**	**0.0048**	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.0015**	ND<0.001	--	ND<0.001	**0.0047**	ND<0.0005	ND<0.001	ND<0.001	**0.0013**
	5/9/2002	**1.4**	--	--	ND<0.002	**170**	**0.25**	**0.037**	**0.12**	**0.289**	--	--	ND<0.002	ND<0.002	ND<0.002	ND<2	**0.0027**	ND<0.002	--	ND<0.002	**0.0035**	ND<0.001	ND<0.002	ND<0.002	**0.0057**
	9/26/2002	**0.56**	--	--	ND<0.002	**200**	**0.067**	**0.0025**	**0.019**	**0.0555**	--	--	ND<0.002	ND<0.002	ND<0.002	ND<2	**0.0036**	ND<0.002	--	ND<0.002	ND<0.002	ND<0.001	ND<0.002	ND<0.002	**0.005**
	6/30/2004	**0.26**	--	--	ND<0.005	**0.15**	**0.03**	ND<0.005	**0.0076**	**0.0065**	ND<0.0005	**0.006**	ND<0.005	--	ND<0.005	--	**0.004J**	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.002J**
W-7	8/4/2000	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.0005	ND<0 0005	ND<0.0001	--	ND<0.0001	**0.0012**	ND<0.001	ND<0.001	ND<0.001	ND<0.001
	2/8/2001	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	7/26/2001	ND<0.1	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	5/7/2002	ND<0.1	--	--	ND<0.001	ND<10	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	9/24/2002	ND<0.1	--	--	ND<0.001	ND<10	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
Operational Area 3: Processing Area																									
MW-104	6/1/1988	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	9/1/1988	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1993	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1994	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1994	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	**0.003**	ND<0.002	ND<0.002	ND<0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	ND<0.5	--	--	--	--	**0.003**	**0.0006**	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	**0.0027**	--	--	--	--
	7/31/1996	ND<0.1	--	--	ND<0.01	--	**0.0022**	**0.0018**	ND<0.001	**0.0027**	--	--	ND<0.0003	--	ND<0.0003	--	**0.0015**	ND<0.0003	--	ND<0.0003	**0.00058**	**0.00051**	ND<0.0003	ND<0.0003	--
	12/16/1996	**0.31**	--	--	ND<0.002	--	**0.0042**	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.0027**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.01**
	1/20/1998	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	8/18/1998	ND<0.1	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	1/27/1999	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-104A	7/19/1999	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.0056**	ND<0.001	--	ND<0.001	ND<0.001	**0.0012**	ND<0.001	ND<0.001	ND<0.001
	1/13/2000	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.0067**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	8/2/2000	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.0054**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	2/7/2001	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.0042**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	7/25/2001	ND<0.1	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0039	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	5/7/2002	0.1	--	--	ND<0.001	31	ND<0.0005	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.0043	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	9/24/2002	ND<0.1	--	--	ND<0.001	20	ND<0.0005	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.0054	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	6/30/2004	ND<0.2	--	--	ND<0.005	0.03J	ND<0.005	ND<0.005	ND<0.005	ND<0.001	--	--	ND<0.005	--	ND<0.005	ND<0.005	0.0081	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	0.001J	ND<0.005	ND<0.005
MW-504	12/1/1993	--	--	--	--	--	11	1.3	1.8	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1994	--	--	--	--	--	8.6	2.1	ND<0.5	8.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	5.8	0.7	0.84	7.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	5.2	1.1	1.2	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	8	1.3	2.2	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	99	--	36.9	--	--	2.7	0.73	0.8	2.6	--	--	--	--	--	--	0.014	--	--	--	0.013	--	--	--	--
	8/1/1996	80	--	--	0.37	--	3.4	1.4	0.96	3.7	--	--	ND<0.001	--	ND<0.001	--	0.02	ND<0.001	--	ND<0.001	0.004	0.02	ND<0.001	ND<0.001	--
	12/18/1996	33	--	--	ND<0.05	--	6	2.8	1	3.3	--	--	ND<0.25	ND<0.25	ND<0.25	--	ND<0.25	ND<0.25	--	ND<0.25	ND<0.25	ND<0 25	ND<0.25	ND<0.25	ND<0.25
	1/21/1998	30	--	--	ND<0.25	--	4.6	0.94	0.75	2.08	--	--	ND<0.25	ND<0.25	ND<0.25	--	ND<0.25	ND<0.25	--	ND<0.5	ND<0.25	ND<0 25	ND<0.25	ND<0.25	ND<0.25
	8/20/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	1/28/1999	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/19/1999	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	1/10/2000	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/31/2000	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
MW-504	2/6/2001	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/24/2001	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	5/6/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
	9/23/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
Operational Area 4: West Tank Farm Area																									
MW-101	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1988	--	--	--	--	--	0.62	ND<0.005	ND<0.005	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	0.31	0.01	0.034	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	0.49	0.028	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	0.44	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	0.34	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	0.29	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	0.2	ND<0.005	ND<0.005	ND<0.025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	0.062	ND<0.005	0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	0.11	ND<0.005	0.11	<0.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	0.18	ND<0.004	0.18	ND<0.004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	2.4	--	ND<5	--	--	0.09	0.0059	0.0064	0.0029	--	--	--	--	--	--	0.045	--	--	--	0.0093	0.0018	0.067	ND<0 0005	--
	7/31/1996	2.3	--	--	ND<0.01	--	0.13	0.014	0.13	0.014	--	--	ND<0.0003	--	ND<0.0003	--	0.35	ND<0.0003	--	ND<0.0003	0.0086	0.0016	0.052	ND<0 0003	--
	12/17/1996	0.92	--	--	ND<0.002	--	ND<0.025	ND<0.05	ND<0.025	ND<0.05	--	--	ND<0.025	ND<0.025	ND<0.025	--	0.09	ND<0.025	--	ND<0.025	ND<0.025	ND<0.025	0.14	ND<0.025	ND<0.025
	1/19/1998	1.4	--	--	ND<0.005	--	0.065	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.062	ND<0.005	--	ND<0 01	0.017	ND<0.005	ND<50	ND<0.005	ND<0.005
	8/18/1998	3.2	--	--	--	--	0.14	ND<0.005	0.015	0.0067	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.052	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	0.092	ND<0.005	0.0064
	1/26/1999	3.2	--	--	ND<0.005	--	0.0684	ND<0.005	0.00708	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.0719	ND<0.005	--	ND<0 01	0.0139	ND<0.005	0.0979	ND<0.005	ND<0.005
	7/19/1999	1.3	--	--	ND<0.002	--	0.022	ND<0.002	0.0024	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	--	0.057	ND<0.002	--	ND<0.002	0.018	ND<0.001	0.15	ND<0.002	ND<0.002
	1/10/2000	0.69	--	--	ND<0.001	--	0.0092	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.025	ND<0.001	--	ND<0.001	0.012	0.0026	0.13	ND<0.001	ND<0.001
	8/3/2000	ND<0.5	--	--	ND<0.002	--	0.024	ND<0.002	ND<0.002	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	0.033	ND<0.002	--	ND<0.002	0.015	0.0036	0.092	ND<0.002	ND<0.002
	2/9/2001	0.6	--	--	ND<0.005	--	0.026	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.021	ND<0.005	--	ND<0.005	0.0075	ND<0.0025	0.032	ND<0.005	ND<0.005
	7/26/2001	0.69	--	--	ND<0.001	--	0.025	ND<0.001	0.0025	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.028	ND<0.001	--	ND<0.001	0.0082	ND<0.005	0.03	ND<0.001	0.0011
	5/8/2002	0.58	--	--	ND<0.001	ND<10	0.017	ND<0.001	0.0013	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.016	ND<0.001	--	ND<0.001	0.0029	ND<0.0005	0.016	ND<0.001	ND<0.001
	9/25/2002	0.57	--	--	ND<0.001	27	0.031	ND<0.001	0.0012	0.0011	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.014	ND<0.001	--	ND<0.001	0.003	ND<0.0005	0.018	ND<0.001	0.0012
MW-105	12/21/1995	ND<0.5	--	ND<10	--	--	0.011	0.0017	0.00081	0.0037	--	--	--	--	--	--	0.0094	--	--	--	0.0045	0.0033	0.013	--	--
	7/31/1996	0.65	--	--	ND<0.01	--	0.091	0.0018	0.002	0.0018	--	--	ND<0.003	--	ND<0.0003	--	0.0084	ND<0.0003	--	ND<0.0003	0.012	0.0014	0.02	ND<0 0003	--
	12/16/1996	0.24	--	--	ND<0.002	--	0.014	ND<0.005	ND<0.005	ND<0.01	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.01	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	0.05	ND<0.005	ND<0.005
	1/20/1998	0.51	--	--	ND<0.005	--	0.021	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.025	ND<0.005	--	ND<0.01	0.022	ND<0.005	0.14	ND<0.005	ND<0.005
	8/18/1998	0.68	--	--	--	--	0.0536	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.0253	ND<0.005	--	ND<0.01	0.0154	ND<0.005	0.108	ND<0.005	ND<0.005
	1/25/1999	0.53	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.022	ND<0.005	--	ND<0.01	0.014	ND<0.005	0.117	ND<0.005	ND<0.005
	7/19/1999	0.61	--	--	ND<0.001	--	0.0048	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.029	ND<0.001	--	ND<0.001	0.016	0.0034	0.13	ND<0.001	ND<0.001
	1/10/2000	0.9	--	--	ND<0.005	--	0.061	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.04	ND<0.005	--	ND<0.005	0.02	0.004	0.1	ND<0.005	ND<0.005
	7/31/2000	0.58	--	--	ND<0.005	--	0.052	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.052	ND<0.005	--	ND<0.005	0.014	0.0095	0.062	ND<0.005	ND<0.005
	2/6/2001	0.61	--	--	ND<0.005	--	ND<0.0025	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.033	ND<0.005	--	ND<0.005	0.012	ND<0.0025	0.032	ND<0.005	ND<0.005
	7/24/2001	0.21	--	--	ND<0.001	--	0.001	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.018	ND<0.001	--	ND<0.001	0.009	0.0015	0.017	ND<0.001	ND<0.001
	5/7/2002	0.53	--	--	ND<0.001	27	0.0011	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.014	ND<0.001	--	ND<0.001	0.0044	ND<0.0005	0.01	ND<0.001	ND<0.001
	9/24/2002	ND<0.1	--	--	ND<0.001	ND<10	0.0014	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.025	ND<0.001	--	ND<0.001	0.0049	0.0014	0.01	ND<0.001	ND<0.001
	6/30/2004	0.27	--	--	ND<0.005	ND<0.1	ND<0.005	ND<0.005	ND<0.005	ND<0 001	--	--	ND<0.005	--	ND<0.005	--	0.015	ND<0.005	ND<0.005	--	.001J	ND<0.005	0.018	ND<0.005	ND<0.005
MW-201	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1988	--	--	--	--	--	1	0.15	ND<0.005	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	0.52	0.21	0.11	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	0.42	0.065	0.019	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	0.21	0.027	0.024	0.047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	0.35	ND<0.005	ND<0.005	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	0.83	0.1	0.032	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	12/1/1989	--	--	--	--	--	0.51	0.076	0.024	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	0.35	0.038	0.029	0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	0.82	0.049	0.084	0.083	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	0.34	0.015	0.02	0.073	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	0.24	0.012	0.007	0.055	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	0.5	ND<0.005	ND<0.005	0.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	0.53	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	0.37	ND<0.005	ND<0.005	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	0.34	0.01	0.009	0.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	0.025	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	0.35	ND<0.005	ND<0.005	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	1.15	ND<0.005	ND<0.005	0.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	0.56	0.077	ND<0.05	0.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	1.3	0.066	0.5	0.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	0.29	ND<0.005	ND<0.005	ND<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	1.1	0.028	0.13	0.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	9	--	ND<5	--	--	0.44	0.042	0.12	0.094	--	--	--	--	--	--	0.044	--	--	--	0.0094	0.0044	0.087	0.00081	--
	7/31/1996	ND<0.1	--	--	ND<0.01	--	0.48	0.02	0.032	0.025	--	--	ND<0.0003	--	ND<0.0003	--	0.034	ND<0.0003	--	ND<0.0003	0.0094	0.0027	0.098	ND<0 0003	--
	12/17/1996	3.7	--	--	ND<0.01	--	0.11	0.012	0.096	0.121	--	--	ND<0.01	ND<0.01	ND<0.01	--	0.089	ND<0.01	--	ND<0 01	ND<0.01	ND<0.01	0.17	ND<0.01	0.021
	1/21/1998	2.6	--	--	ND<0.005	--	0.22	0.014	0.087	0.017	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.064	ND<0.005	--	ND<0 01	0.01	ND<0.005	0.1	ND<0.005	0.019
	1/21/1998DUP	2.1	--	--	ND<0.005	--	0.25	0.012	0.069	0.016	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.071	ND<0.005	--	ND<0.01	0.0099	ND<0.005	0.074	ND<0.005	0.018
	8/18/1998	2.6	--	--	--	--	0.44	0.0086	0.02	0.013	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.063	ND<0.005	--	ND<0 01	0.0063	ND<0.005	0.046	ND<0.005	0.0051
	7/19/1999	2.8	--	--	ND<0.005	--	0.16	0.029	0.069	0.0546	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.063	ND<0.005	--	ND<0.005	0.0093	ND<0.0025	0.061	ND<0.005	0.021
	1/12/2000	5.1	--	--	ND<0.006	--	0.52	0.014	0.053	0.016	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.043	ND<0.005	--	ND<0.005	ND<0.005	ND<0.0025	0.019	ND<0.005	0.016
MW-201	8/4/2000	2.9	--	--	ND<0.007	--	0.57	0.015	0.061	0.021	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.0005	0.076	ND<0.005	--	ND<0.005	ND<0.005	ND<0.0025	0.019	ND<0.005	0.012
	2/9/2001	2.2	--	--	ND<0.008	--	0.31	0.012	0.13	0.014	--	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	0.1	ND<0.01	--	ND<0 01	ND<0.01	ND<0.005	0.022	ND<0.01	0.026
	7/26/2001	3.2	--	--	ND<0.01	--	0.18	0.0096	0.056	0.0247	--	--	ND<0.01	ND<0.01	ND<0.01	--	0.057	ND<0.01	--	ND<0 01	0.023	ND<0.005	0.013	ND<0.01	0.014
	5/9/2002	1.8	--	--	0.0051	ND<20	0.12	0.0066	0.045	0.02	--	--	ND<0.002	ND<0.002	ND<0.002	ND<2	0.033	ND<0.002	--	ND<0.002	ND<0.002	ND<0.001	0.0064	ND<0.002	0.0088
	9/26/2002	0.89	--	--	ND<0.001	ND<10	0.011	0.011	0.068	0.0343	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.027	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	0.0072	ND<0.001	0.01
	6/30/2004	1.7	--	--	ND<0.005	ND<0.1	0.12	0.012	0.21E	0.071	0.013	0.058	ND<0.005	--	ND<0.005	ND<0.005	0.021	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.027
MW-205	6/1/1988	--	--	--	--	--	0.013	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	0.027	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	0.12	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	0.04	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	0.12	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	0.081	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	0.17	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	0.14	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	0.056	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	0.045	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	0.047	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	0.04	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	0.043	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	0.085	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	0.035	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	0.006	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	0.01	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	0.022	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	0.022	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	0.032	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	0.0053	ND<0.002	ND<0.002	ND<0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	2.1	--	ND<5	--	--	0.11	0.0013	0.018	0.037	--	--	--	--	--	--	0.051	--	--	--	0.0073	0.002	0.022	--	--
	7/31/1996	ND<0.1	--	--	ND<0.01	--	0.0051	ND<0.002	ND<0.002	ND<0.002	--	--	ND<0.0003	--	ND<0.0003	--	0.03	ND<0.0003	--	ND<0.0003	0.0028	ND<0.0003	0.014	ND<0 0003	--
	12/16/1996	0.27	--	--	0.002	--	ND<0.002	ND<0.002	ND<0.002	ND<0.004	--	--	ND<0.002	ND<0.002	ND<0.002	--	0.035	ND<0.002	--	ND<0.002	ND<0.002	ND<0.002	0.0071	ND<0.002	ND<0.002
	1/20/1998	0.19	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.027	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	0.0087	ND<0.005	ND<0.005
	8/21/1998	0.017	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.032	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	0.01	ND<0.005	ND<0.005
	1/26/1999	0.22	--	--	ND<0.005	--	0.00687	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.0261	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	7/19/1999	ND<0.5	--	--	ND<0.001	--	0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.023	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	0.0026	ND<0.001	ND<0.001
	1/11/2000	0.79	--	--	ND<0.001	--	0.026	0.0013	0.002	0.0043	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.013	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0023
	8/2/2000	ND<0.5	--	--	--	--	0.011	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.006	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	2/7/2001	0.54	--	--	ND<0.001	--	0.037	ND<0.001	0.012	0.0024	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0052	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0016
	7/26/2001	0.38	--	--	ND<0.001	--	0.021	ND<0.001	0.0011	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.017	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	0.0015	ND<0.001	ND<0.001
	5/8/2002	0.26	--	--	ND<0.001	ND<10	0.0097	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.022	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	0.0011	ND<0.001	ND<0.001

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	9/25/2002	0.3	--	--	ND<0.001	4	0.024	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.01	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	6/30/2004	ND<0.2	--	--	ND<0.005	ND<0.1	0.003J	ND<0.005	ND<0.005	ND<0.001	ND<0.0005	ND<0.0005	ND<0.005	--	ND<0.005	--	0.0065	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
W-8	8/4/2000	ND<0.5	--	--	ND<0.001	--	0.0028	<0.0046	ND<0.001	ND<0.0029	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	2/6/2001	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/26/2001	0.18	--	--	ND<0.001	--	0.00067	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	ND<0.001
	5/7/2002	0.18	--	--	ND<0.001	ND<10	0.00051	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	ND<0.001
	9/24/2002	ND<0.1	--	--	ND<0.001	ND<10	0.00064	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	ND<0.001
	7/1/2004	0.39	--	--	ND<0.005	ND<0.1	0.0019J	0.0018	0.00072	0.00142	ND<0.0005	0.00092	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Operational Area 5: Lakeland Property																									
MW-206	6/1/1988	--	--	--	--	--	5.8	2.4	2.1	4.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	9/1/1988	--	--	--	--	--	4.2	1	2	6.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	4.3	0.92	2.1	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	2.7	3.2	2.4	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	3.1	1.2	2.3	8.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	4.5	0.62	2.4	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	3.2	1	2	6.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	3.7	1.7	2.6	9.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	3.7	0.96	2	6.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	5.1	2.1	2.3	6.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	7.1	2.1	2.4	8.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	4.9	2.6	2.2	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	5.22	1.08	2.4	6.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	4.5	2.1	2	5.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	3.4	0.72	2.5	4.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	2	0.47	2.5	4.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	3.2	0.42	2.1	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	9.9	1.4	3.2	7.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	13	2	6	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	8.4	4.9	1.8	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	9	0.72	2	5.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-206	9/1/1995	--	--	--	--	--	6.2	0.8	1.6	3.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	12/13/1995	12	--	ND<5	--	--	0.11	0.016	0.032	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	33	--	--	0.51	--	0.57	0.11	0.42	0.49	--	--	ND<0.0003	--	ND<0.0003	--	0.02	ND<0.0003	--	ND<0.0003	0.0088	0.0058	0.022	ND<0 0003	--
	12/18/1996	8.2	--	--	ND<0.02	--	2.2	ND<0.1	1.2	0.34	--	--	ND<0.1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1
	1/21/1998	13	--	--	ND<0.005	--	1.5	0.29	1.6	0.78	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.13	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	0.082	ND<0.005	0.085
	8/20/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
MW-501	3/1/1995	--	--	--	--	--	4.2	0.23	1	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Destroyed	9/1/1995	--	--	--	--	--	2.4	0.27	ND<0.2	ND<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	69	--	19.9	--	--	1.6	0.1	0.88	2.2	--	--	--	--	--	--	0.0085	--	--	--	0.0016	0.0032	0.001	0.0013	--
	7/31/1996	18	--	--	0.18	--	1.7	0.073	0.22	1.1	--	--	ND<0.0003	--	ND<0.0003	--	0.0072	ND<0.0003	--	ND<0.0003	0.00081	0.0013	ND<0.0003	0.001	--
	12/18/1996	6.8	--	--	ND<0.01	--	1.2	ND<0.05	0.51	0.65	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0 05	ND<0.05	ND<0.05	0.092
	1/21/1998	0.95	--	--	ND<0.005	--	0.26	ND<0.005	0.011	0.023	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	8/20/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	1/26/1999	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
MW-501A	7/19/1999	7.5	--	--	ND<0.025	--	1.3	ND<0.025	ND<0.025	0.025	--	--	ND<0.025	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	--	ND<0 025	ND<0.025	<0.013	<0.013	<0.013	0.041
	1/13/2000	9.2	--	--	ND<0.01	--	1.6	0.018	ND<0.01	0.023	--	--	ND<0.01	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.005	ND<0.01	ND<0.01	0.034
	8/2/2000	7.1	--	--	--	--	0.98	0.011	0.012	0.014	--	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.005	ND<0.01	ND<0.01	0.085
	2/7/2001	6.6	--	--	ND<0.01	--	0.68	ND<0.01	0.01	ND<0 01	--	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.005	ND<0.01	ND<0.01	0.09
	7/25/2001	5.7	--	--	0.085	--	0.14	ND<0.01	ND<0.01	ND<0.01	--	--	ND<0.01	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	--	ND<0.01	0.013	ND<0.005	ND<0.01	0.011	0.098
	5/8/2002	7	--	--	0.13	ND<20	0.69	0.0043	0.0068	0.0059	--	--	ND<0.002	ND<0.002	ND<0.002	ND<2	ND<0.002	ND<0.002	--	ND<0 002	0.0042	ND<0.001	ND<0.002	0.007	0.1
	9/26/2002	6.5	--	--	0.57	ND<100	0.52	ND<0.01	ND<0.01	ND<0.02	--	--	ND<0.01	ND<0.01	ND<0.01	ND<10	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.005	ND<0.01	ND<0.01	0.18
MW-502	6/1/1988	--	--	--	--	--	0.95	0.079	0.062	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	1.3	0.18	2.8	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	6.5	0.86	1.5	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	5.3	1.2	1.9	7.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1994	--	--	--	--	--	9.8	0.86	1.9	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	8.4	1.6	1.6	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	18	0.48	2.1	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	15	0.69	3.3	8.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	220	--	41.1	--	--	6.9	0.95	3.3	8.5	--	--	--	--	--	--	0.0069	--	--	--	0.00089	0.0061	--	--	0.0011
	7/13/1996	110	--	--	1	--	13	0.4	1.8	6.8	--	--	ND<0.0003	--	ND<0.0003	--	0.0068	ND<0.0003	--	ND<0.0003	ND<0.0003	0.012	0.00076	ND<0 0003	--
	12/18/1996	30	--	--	ND<0.01	--	11	ND<0.5	2.1	0.57	--	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	1/22/1998	24	--	--	70	--	7.8	0.13	1.3	0.921	--	--	ND<0.025	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	--	ND<0 025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	0.09
	8/19/1998	86	--	--	290	--	12	0.1	1.4	0.953	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.01	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.067
	1/26/1999	120	--	--	119	--	8.8	0.0804	1.03	0.554	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.0104	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.0767
	7/19/1999	48	--	--	92	--	11	ND<5	ND<5	ND<5	--	--	ND<5	ND<5	ND<5	--	ND<5	ND<5	--	ND<5	ND<5	ND<2.5	ND<5	ND<5	ND<5
	1/13/2000	25	--	--	8.7	--	8.1	ND<1	ND<1	ND<1	--	--	ND<1	ND<1	ND<1	--	ND<1	ND<1	--	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1
	8/2/2000	23	--	--	4.5	--	6.3	0.1	0.25	0.2	--	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0 05	ND<0.1	ND<0.1	ND<1

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	2/7/2001	18	--	--	6.5	--	5	0.082	0.23	ND<0 05	--	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0 05	ND<0.05	ND<0.05	0.062
	7/25/2001	24	--	--	18	--	6.5	0.17	0.4	0.513	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0 05	ND<0.05	ND<0.05	0.062
	5/9/2002	25	--	--	14	ND<2000	4.3	ND<0.2	0.39	0.23	--	--	ND<0.2	ND<0.2	ND<0.2	ND<200	ND<0.2	ND<0.2	--	ND<0.2	ND<0.2	ND<0.1	ND<0.2	ND<0.2	ND<0.2
	9/26/2002	11	--	--	9.4	ND<1000	4	ND<0.1	0.54	0.23	--	--	ND<0.1	ND<0.1	ND<0.1	ND<100	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0 05	ND<0.1	ND<0.1	ND<0.1
MW-503	6/1/1988	--	--	--	--	--	0.6	0.14	0.34	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	9/1/1988	--	--	--	--	--	0.8	0.28	0.3	0.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	1.5	0.57	0.38	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	0.4	0.19	0.36	0.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	0.6	0.34	0.63	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	0.99	0.55	0.2	0.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	0.27	0.18	0.18	0.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	0.31	0.14	0.14	0.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	0.034	0.024	0.11	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	0.17	0.11	0.14	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	2.1	1.3	0.1	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	0.9	0.65	0.25	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	1.04	0.7	0.33	1.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	3.3	0.75	0.34	1.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	2.9	0.4	ND<0.25	1.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	0.24	0.022	0.066	0.079	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	0.39	0.055	0.1	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	0.53	0.093	0.13	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	8.2	--	ND<5	--	--	0.34	0.079	0.19	0.2	--	--	--	--	--	--	0.038	--	--	--	0.015	0.0065	0.12	0.00072	--
	7/31/1996	5.1	--	--	ND<0.01	--	0.15	0.049	0.025	0.084	--	--	ND<0.0003	--	ND<0.0003	--	0.036	ND<0.0003	--	ND<0.0003	0.015	0.0031	0.15	ND<0 0003	--
	12/18/1996	4.6	--	--	ND<0.02	--	0.21	0.019	0.14	0.056	--	--	ND<0.01	ND<0.01	ND<0.01	--	0.04	ND<0.01	--	ND<0 01	ND<0.01	ND<0.01	0.32	ND<0.01	0.044
	1/21/1998	3.1	--	--	ND<0.005	--	0.21	0.031	0.28	0.063	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.067	ND<0.005	--	ND<0 01	0.0096	ND<0.005	0.21	ND<0.005	0.053
	8/19/1998	0.96	--	--	--	--	0.072	0.0079	0.053	0.0076	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.041	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	0.037	ND<0.005	0.011
MW-503B	2/9/1999	10	--	--	--	--	0.97	ND<0.05	0.42	ND<0 05	--	--	ND<0.05	ND<0.05	ND<0.05	--	0.11	ND<0.05	--	ND<0.1	ND<0.05	ND<0.05	0.061	ND<0.05	0.05
	7/19/1999	7.8	--	--	ND<0.02	--	0.63	ND<0.02	0.54	ND<0 02	--	--	ND<0.02	ND<0.02	ND<0.02	--	0.18	ND<0.02	--	ND<0 02	ND<0.02	ND<0.01	0.082	ND<0.02	0.073
	1/14/2000	14	--	--	ND<0.02	--	1	0.032	0.87	0.14	--	--	ND<0.02	ND<0.02	ND<0.02	--	0.21	ND<0.02	--	ND<0 02	ND<0.02	ND<0.01	0.09	ND<0.02	0.083
	8/4/2000	5.6	--	--	ND<0.01	--	0.61	0.019	0.5	0.035	--	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	0.14	ND<0.01	--	ND<0 01	ND<0.01	ND<0.005	0.036	ND<0.01	0.068
	2/6/2001	5.8	--	--	ND<0.02	--	0.25	ND<0.02	0.32	0.041	--	--	ND<0.02	ND<0.02	ND<0.02	ND<0.02	0.084	ND<0.02	--	ND<0 02	ND<0.02	ND<0.01	0.025	ND<0.02	0.089
	7/25/2001	5.7	--	--	ND<0.05	--	0.28	ND<0.05	0.23	ND<0 05	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.025	ND<0.05	ND<0.05	0.062
	5/9/2002	4.5	--	--	ND<0.002	ND<20	0.081	0.0035	0.077	0.0345	--	--	ND<0.002	ND<0.002	0.0027	ND<2	0.023	ND<0.002	--	ND<0.002	ND<0.002	ND<0.001	0.005	ND<0.002	0.086
	9/26/2002	3.3	--	--	ND<0.001	ND<10	0.036	0.0096	0.14	0.056	--	--	ND<0.001	ND<0.001	0.0017	ND<1	0.018	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	0.0011	ND<0.001	0.095
	7/1/2004	5.9	--	--	ND<0.005	ND<0.1	0.16	0.037	0.089	0.0425	ND<0.0005	0.042	ND<0.005	--	ND<0.005	ND<0.005	0.003J	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.016
Operational Area 6: Former AST Area at Walker Property																									
W-3	11/1/1989	--	ND<1	--	--	--	0.019	0.0026	0.0076	0.013	--	--	ND<0.0005	ND<0.0005	ND<0.0005	--	--	--	--	--	0.0025(A)	ND<0.0005	ND<0.0005	ND<0.0005	--
Abandoned	1/1/1990	--	--	--	--	--	ND<0.0005	ND<0 0005	ND<0.0005	0.0033	--	--	ND<0.001	ND<0.001	ND<0.0005	--	--	ND<0.002	--	ND<0 002	0.001	ND<0.0005	ND<0.0005	ND<0.0005	--
	3/1/1990	--	--	--	--	--	0.0053	0.0045	ND<0.0005	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.0005	--	--	ND<0.002	--	ND<0 002	0.0005	ND<0.0005	ND<0.0005	ND<0.0005	--
	4/1/1990	--	--	--	--	--	0.0034	0.0045	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.0005	--	ND<0.005	ND<0.002	--	ND<0 002	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	--
	12/18/1996	1.3	--	--	ND<0.01	--	0.59	ND<0.025	ND<0.025	ND<0.05	--	--	ND<0.025	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	--	ND<0 025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025
	1/13/1998	2.2	--	--	ND<0.005	--	0.28	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	0.006	ND<0.005	ND<0.005	ND<0.005	0.027
	8/20/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
W-3A	1/13/1998	4300	--	--	ND<200	--	150	ND<6	35	ND<12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/20/1998	1.1	--	--	0.44	--	0.22	ND<0.025	0.033	ND<0.025	--	--	ND<0.025	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	--	ND<0.05	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025
	1/28/1999	0.69	--	--	0.34	--	0.16	ND<0.05	ND<0.05	ND<0 05	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05	ND<0 05	ND<0.05	ND<0.05	ND<0.05
	7/19/1999	5.4	--	--	0.38	--	0.12	ND<0.02	ND<0.02	ND<0.02	--	--	ND<0.02	ND<0.02	ND<0.02	--	ND<0.02	ND<0.02	--	ND<0.02	ND<0.02	ND<0 01	ND<0.02	ND<0.02	0.021
	1/13/2000	14	--	--	0.21	--	0.14	ND<0.01	ND<0.01	ND<0.01	--	--	ND<0.01	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.005	ND<0.01	ND<0.01	ND<0.01
	8/4/2000	3.4	--	--	0.22	--	0.17	ND<0.02	0.0084	ND<0 02	--	--	ND<0.02	ND<0.02	ND<0.02	0.0024	ND<0.02	ND<0.02	--	ND<0.02	ND<0.02	ND<0.001	ND<0.02	ND<0.02	0.014
W-3A	2/8/2001	2.7	--	--	0.012	--	0.034	ND<0.001	0.0029	0.0031	--	--	ND<0.001	ND<0.001	ND<0.001	0.0024	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.011
	7/26/2001	3.4	--	--	0.0062	--	0.042	ND<0.001	0.0017	ND<0 01	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.021
	5/6/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
	9/25/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
Offsite Wells: Walker Property																									
W-1	11/1/1989	--	ND<1	3.6	--	--	0.39	0.0039	0.0021	0.0064	--	--	ND<0.0005	ND<0.0006	ND<0.0005(A)	--	--	--	--	--	0.0035(A)	ND<0.0005(A)	<0.0006(A)	ND<0.0005(A)	--
	3/1/1990	--	--	--	--	--	0.14	ND<0.005	ND<0.005	ND<0.02	--	--	ND<0.01	ND<0.01	ND<0.005	--	--	ND<0.02	--	ND<0 02	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--
	4/1/1990	--	--	--	--	--	0.2	0.012	0.012	0.0027	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.025	ND<0.02	--	ND<0 02	0.0016	ND<0.005	ND<0.005	ND<0.005	--
	12/18/1996	0.8	--	--	ND<0.01	--	0.078	ND<0.005	ND<0.005	ND<0.01	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.027
	1/14/1998	1.1	--	--	ND<0.005	--	0.062	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.019
	8/20/1998	1.2	--	--	0.014	--	0.079	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.0086	ND<0.005	--	ND<0 01	0.0084	ND<0.005	ND<0.005	ND<0.005	0.027
	1/29/1999	1.4	--	--	ND<0.005	--	0.057	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0 01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.024
	7/19/1999	1.5	--	--	ND<0.002	--	0.048	ND<0.002	ND<0.002	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	ND<0.001	ND<0.002	ND<0.002	0.019
	1/1300	1.7	--	--	0.0027	--	0.046	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0012	ND<0.001	--	ND<0.001	0.0015	ND<0.0005	ND<0.001	ND<0.001	0.021
	8/3/2000	0.88	--	--	0.01	--	0.029	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0016	ND<0.001	--	ND<0.001	0.0016	ND<0.0005	ND<0.001	ND<0.001	0.018
	2/8/2001	ND<0.5	--	--	0.068	--	0.021	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0023	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0056
	7/26/2001	0.62	--	--	0.062	--	0.018	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0028	ND<0.001	--	ND<0.001	0.0018	ND<0.0005	ND<0.001	ND<0.001	0.01
	5/8/2002	0.28	--	--	0.0059	44	0.0077	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.0031	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0033

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	9/25/2002	0.21	--	--	0.0019	30	0.012	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	0.0065	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0051
	7/1/2004	0.46	--	--	0.003J	ND<0.1	0.014	0.0028	0.0015	ND<0.001	ND<0.0005	ND<0.0005	ND<0.005	--	ND<0.005	ND<0.005	0.0093	ND<0.005	ND<0.005	--	0.001J	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	10/6/2005	0.31	--	--	0.025	0.034	0.043	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	--	--	0.0012	--	--	--	--	ND<0.001	ND<0.0005	ND<0.001	--	0.0044
	2/15/2006	0.266	--	--	0.022	0.037	0.032	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.0043J
	8/3/2006	1.1	--	--	0.077	0.1	0.086	ND<0.002	ND<0.002	ND<0.004	ND<0.002	ND<0.002	--	--	ND<0.002	ND<0.005	ND<0.002	--	--	--	ND<0.002	ND<0.002	ND<0.005	--	0.018
W-2	11/1/1989	--	ND<1	--	--	--	0.078	0.0065	0.0065	0.005	--	--	ND<0.0005	ND<0.0005	ND<0.0005(A)	--	--	--	--	--	0.0043(A)	ND<0.0005(A)	ND<0.0005(A)	ND<0.0005(A)	--
Abandoned	3/1/1990	--	--	--	--	--	0.062	ND<0 0005	ND<0.0005	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.0005	--	--	ND<0.002	--	ND<0 002	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	--
	4/1/1990	--	--	--	--	--	0.083	0.026	0.004	0.0015	--	--	ND<0.005	ND<0.005	ND<0.0025	--	0.013	ND<0.001	--	ND<0.01	0.003	ND<0.0025	ND<0.0025	ND<0.0025	--
	12/18/1996	0.56	--	--	ND<0.002	--	0.056	ND<0.002	ND<0.002	ND<0.004	--	--	ND<0.002	ND<0.002	ND<0.002	--	0.013	ND<0.002	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	0.018
	1/14/1998	0.7	--	--	ND<0.005	--	0.085	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.017	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.015
	8/20/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
W-4	3/1/1990	--	--	--	--	--	0.12	ND<0 0005	0.019	ND<0.0005	--	--	ND<0.0005	ND<0.0005	ND<0.0005	--	0.0032	ND<0.0005	--	ND<0.0005	0.0083	ND<0.0005	ND<0.0005	ND<0.0005	--
	4/1/1990	--	--	--	--	--	0.028	0.0014	0.0048	0.0022	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.00081	ND<0.001	--	ND<0.0005	0.0022	ND<0.001	ND<0.001	ND<0.001	--
	12/18/1996	0.42	--	--	ND<0.01	--	0.08	ND<0.005	ND<0.005	ND<0.01	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0 005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.019
	1/14/1998	0.92	--	--	ND<0.005	--	0.12	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.028
	8/20/1998	0.5	--	--	0.018	--	0.057	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.026
	1/29/1999	0.46	--	--	0.02	--	0.055	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.018
	7/19/1999	0.71	--	--	ND<0.002	--	0.072	ND<0.002	ND<0.002	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	--	ND<0 002	ND<0.002	ND<0.001	ND<0.002	ND<0.002	0.014
	1/13/2000	0.66	--	--	ND<0.001	--	0.049	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0013	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0028
	8/3/2000	ND<0.5	--	--	--	--	0.047	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	0.0016	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0088
	2/8/2001	ND<0.5	--	--	ND<0.001	--	0.042	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	0.0016	ND<0.001	ND<0.001	--	ND<0.001	0.0011	0.00067	ND<0.001	ND<0.001	0.0075
	7/26/2001	0.32	--	--	ND<0.001	--	0.042	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	0.001	ND<0.0005	ND<0.001	ND<0.001	0.0083
	5/8/2002	0.25	--	--	ND<0.001	60	0.033	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	0.0013	ND<0.0005	ND<0.001	ND<0.001	0.0045
	9/25/2002	0.29	--	--	ND<0.001	45	0.062	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	2.6	ND<0.001	ND<0.001	--	ND<0.001	0.002	ND<0.0005	ND<0.001	ND<0.001	0.008
	7/1/2004	0.35	--	--	ND<0.005	ND<0.1	0.03	0.0026	0.0019	0.00116	ND<0.0005	0.00066	ND<0.005	--	ND<0.005	ND<0.005	0.003J	ND<0.005	ND<0.005	--	0.002J	ND<0.005	ND<0.005	ND<0.001	0.004
	10/6/2005	0.35	--	--	ND<0.001	0.047	0.031	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	--	--	ND<0.001	0.0064	--	--	--	0.0017	ND<0.0005	ND<0.001	--	0.0059
	2/15/2006	0.501	--	--	ND<0.001	0.038	0.043	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	0.0028J	--	--	--	0.0025J	ND<0.005	ND<0.005	--	0.012
	8/3/2006	2.8	--	--	ND<0.005	ND<0.05	0.0035	ND<0.002	ND<0.002	ND<0.004	ND<0.002	ND<0.002	--	--	ND<0.002	ND<0.005	0.0045	--	--	--	ND<0.002	ND<0.002	ND<0.005	--	0.0025
EW-1	11/1/1989	9.8	--	--	--	--	0.73	0.016	1.4(A)	1(A)	--	--	ND<0.005	ND<0.005	ND<0.005	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--
	3/1/1990	--	--	--	--	--	1.8	0.3	1.8	0.62	--	--	ND<0.05	ND<0.05	ND<0.025	--	--	ND<0.1	--	ND<0.1	ND<0.025	ND<0.025	ND<0.025	ND<0.025	--
	4/1/1990	--	--	--	--	--	1.3	0.29	1.6	2	--	--	ND<0.02	ND<0.02	ND<0.02	--	0.11	ND<0.002	--	ND<0 02	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--
	8/21/1998	5	--	--	ND<0.05	--	0.23	ND<0.05	0.63	0.17	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05	ND<0 05	ND<0.05	ND<0.05	0.2
	1/28/1999	7.9	--	--	ND<0.05	--	0.11	ND<0.05	0.54	0.17	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05	ND<0 05	ND<0.05	ND<0.05	0.17
	7/19/1999	8	--	--	ND<0.025	--	0.11	ND<0.025	1	0.34	--	--	ND<0.025	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	--	ND<0 025	ND<0.025	<0.013	ND<0.025	ND<0.025	0.2
	1/13/2000	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/31/2000	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	2/6/2001	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/26/2001	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	5/6/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
	9/25/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
Offsite Wells: Metropolitan State Hospital																									
MW-600	8/1/1990	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	2/20/1991	0.0502	--	--	--	--	18	9.2	1.3	9.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	3500	--	912	--	--	23	40	18	101	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1996	210	--	--	ND<0.01	--	14	15	3.5	20	--	--	ND<0.001	--	ND<0.001	--	0.0038	ND<0.001	--	ND<0.001	0.00036	0.0055	ND<0.001	ND<0.001	--
	12/19/1996	87	--	--	ND<0.01	--	14	15	1.8	9.1	--	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	1/22/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	8/20/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	1/28/1999	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
MW-600A	7/19/1999	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	1/10/2000	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/31/2000	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	2/6/2001	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	7/24/2001	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	5/6/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
	9/23/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
MW-601	8/1/1990	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	2/20/1991	0.024	--	--	--	--	12	4.9	1.9	11.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	3500	--	1110	--	--	18	17	130	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1996	250	--	--	ND<0.01	--	12	1.4	4.6	16	--	--	ND<0.001	--	ND<0.001	--	0.0044	ND<0.001	--	ND<0.001	0.0014	0.0029	ND<0.001	0.00085	--
MW-601	12/19/1996	70	--	--	ND<0.01	--	10	ND<0.5	1.6	4	--	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Abandoned	1/22/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	8/20/1998	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
	1/28/1999	NS	NS	NS	NS	--	NS	NS	NS	NS	--	--	NS	NS	NS	--	NS	NS	--	NS	NS	NS	NS	NS	NS
MW-601A	7/19/1999	42	--	--	11	--	18	ND<5	ND<5	ND<5	--	--	ND<5	ND<5	ND<5	--	ND<5	ND<5	--	ND<5	ND<5	ND<2.5	ND<5	ND<5	ND<5
	1/13/2000	48	--	--	22	--	22	ND<1	ND<1	ND<1	--	--	ND<1	ND<1	ND<1	--	ND<1	ND<1	--	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<1
	8/3/2000	34	--	--	5.6	--	21	ND<0.2	ND<0.2	ND<0.2	--	--	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	--	ND<0.2	ND<0.2	ND<0.1	ND<0.2	ND<0.2	ND<0.2

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	2/7/2001	35	--	--	1.2	--	16	0.063	0.097	ND<0 05	--	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.025	ND<0.05	ND<0.05	0.057
	7/24/2001	31	--	--	2.8	--	15	ND<0.1	0.11	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0 05	ND<0.1	ND<0.1	ND<0.1
	5/9/2002	24	--	--	2.5	ND<1000	11	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	ND<100	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0 05	ND<0.1	ND<0.1	ND<0.1
	9/26/2002	11	--	--	4	ND<1000	8	ND<0.1	ND<0.1	ND<0.2	--	--	ND<0.1	ND<0.1	ND<0.1	ND<100	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0 05	ND<0.1	ND<0.1	ND<0.1
	5/9/2002DUP	28	--	--	3.5	NS	12	ND<0.1	ND<0.1	ND<0.1	--	--	ND<0.1	ND<0.1	ND<0.1	ND<100	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0 05	ND<0.1	ND<0.1	ND<0.1
	9/26/2002DUP	10	--	--	10	NS	4.4	ND<0.1	0.59	0.27	--	--	ND<0.1	ND<0.1	ND<0.1	ND<100	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0 05	ND<0.1	ND<0.1	ND<0.1
MW-603	12/1/1995	ND<0.5	--	ND<10	--	--	0.00098	0.0014	0.00062	0.0033	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/1996	ND<0.1	--	--	0.002	--	0.0006	ND<0 0005	0.0014	ND<0.0005	--	--	0.0026	--	ND<0.0003	--	0.0064	ND<0.0003	--	ND<0.0003	0.0039	0.0095	0.03	ND<0 0003	--
	12/16/1996	ND<0.1	--	--	ND<0.002	--	ND<0.005	ND<0.005	ND<0.005	ND<0.01	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0 005	ND<0.005	ND<0.005	0.034	ND<0.005	ND<0.005
	1/22/1998	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.009	ND<0.005	--	ND<0 01	0.005	ND<0.005	0.063	ND<0.005	ND<0.005
	8/19/1998	ND<0.1	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	0.029	0.014	ND<0.005	ND<0.005
	1/27/1999	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	0.0053	ND<0.005	--	ND<0 01	ND<0.005	0.039	0.019	ND<0.005	ND<0.005
	7/19/1999	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0074	0.0021	--	ND<0.001	0.003	0.04	0.031	ND<0.001	ND<0.001
	1/11/2000	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0064	ND<0.001	--	ND<0.001	0.0036	0.016	0.039	ND<0.001	ND<0.001
	7/31/2000	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0093	ND<0.001	--	ND<0.001	0.0067	0.0072	0.088	ND<0.001	ND<0.001
	2/7/2001	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.011	ND<0.001	--	ND<0.001	0.0085	0.0027	0.12	ND<0.001	ND<0.001
	7/24/2001	0.19	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.015	ND<0.001	--	ND<0.001	0.01	0.0029	0.15	ND<0.001	ND<0.001
	5/7/2002	0.21	--	--	ND<0.002	ND<20	ND<0.001	ND<0.002	ND<0.002	ND<0 004	--	--	ND<0.002	ND<0.002	ND<0.002	ND<2	0.0096	ND<0.002	--	ND<0.002	0.007	ND<0.001	0.12	ND<0.002	ND<0.002
	9/24/2002	ND<0.1	--	--	ND<0.002	ND<20	ND<0.001	ND<0.002	ND<0.002	ND<0 002	--	--	ND<0.002	ND<0.002	ND<0.002	ND<2	0.014	ND<0.002	--	ND<0.002	0.011	0.0032	0.21	ND<0.002	ND<0.002
	7/1/2004	ND<0.2	--	--	ND<0.005	ND<0.1	ND<0.005	0.0003J	ND<0.0005	ND<0.001	ND<0.0005	ND<0.0005	ND<0.005	--	ND<0.005	ND<0.005	0.012	ND<0.005	ND<0.005	--	0.0057	0.003J	0.08	ND<0.005	ND<0.005
MW-604	12/20/1995	1.9	--	ND<10	--	--	0.16	0.0033	0.0078	0.021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/1996	0.9	--	--	0.0124	--	0.073	0.0078	ND<0.0005	0.009	--	--	ND<0.0003	--	ND<0.0003	--	0.00098	ND<0.0003	--	ND<0.0003	0.0017	0.0011	ND<0.0003	ND<0.0003	--
	12/17/1996	0.71	--	--	ND<0.002	--	0.047	ND<0.002	ND<0.002	ND<0.004	--	--	ND<0.002	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	--	ND<0 002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	0.0057
	1/22/1998	0.41	--	--	ND<0.005	--	0.007	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.007
	8/19/1998	0.37	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	1/27/1999	0.23	--	--	ND<0.005	--	0.025	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	0.0064
	7/19/1999	0.5	--	--	ND<0.001	--	0.014	ND<0.001	ND<0.001	0.0013	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0042	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.0049
	1/11/2000	0.75	--	--	ND<0.001	--	0.021	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	0.0039	ND<0.001	--	ND<0.001	ND<0.001	0.00099	ND<0.001	ND<0.001	0.023
	8/3/2000	0.56	--	--	0.03	--	0.1	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.0087	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	0.019
	2/7/2001	1.1	--	--	0.031	--	0.11	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0 005	ND<0.005	ND<0.0025	ND<0.005	ND<0.005	0.043
	7/24/2001	1.1	--	--	0.034	--	0.067	ND<0.001	ND<0.001	0.005	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.005	ND<0.001	--	ND<0 001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	0.048
	5/8/2002	1.1	--	--	0.048	51	0.057	ND<0.001	ND<0.001	0.0033	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	0.047
	9/25/2002	0.96	--	--	0.072	46	0.034	ND<0.001	ND<0.001	0.0047	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	0.049
	5/8/2002DUP	1.4	--	--	0.046	NS	0.055	ND<0.001	ND<0.001	0.0032	--	--	ND<0.001	ND<0.001	ND<0.001	1.6	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	0.045
	9/25/2002DUP	0.97	--	--	0.084	NS	0.036	ND<0.001	ND<0.001	0.0058	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.005	ND<0.001	ND<0.001	0.049
MW-605	12/20/1995	ND<1	--	--	--	--	0.01	ND<0 0005	ND<0.0005	0.0049	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0.1	--	--	ND<0.02	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	--	--	ND<0.0003	--	ND<0.0003	--	ND<0.0003	ND<0.0003	--	ND<0.0003	0.0012	ND<0.0003	0.0043	ND<0 0003	--
	12/16/1996	ND<0.1	--	--	ND<0.002	--	ND<0.001	ND<0.001	ND<0.001	ND<0 002	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001
	1/22/1998	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	0.006	ND<0.005	ND<0.005
	8/19/1998	ND<0.1	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	1/28/1999	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	7/19/1999	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	1/11/2000	ND<0.6	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	0.001	ND<0.0005	0.0035	ND<0.001	ND<0.001
	8/2/2000	ND<0.7	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 001	0.0016	ND<0.0005	0.0046	ND<0.001	ND<0.001
	2/7/2001	ND<0.8	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	0.002	ND<0.001	ND<0.001
	7/24/2001	ND<0.1	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	0.0017	ND<0.001	ND<0.001
	5/7/2002	ND<0.2	--	--	ND<0.001	ND<10	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	0.0018	ND<0.001	ND<0.001
	9/24/2002	ND<0.3	--	--	ND<0.001	ND<10	ND<0.0005	ND<0.001	ND<0.001	ND<0 002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	0.002	ND<0.001	ND<0.001
	6/30/2004	ND<0.2	--	--	ND<0.005	ND<0.1	ND<0.0005	ND<0.0005	ND<0.0005	ND<0 001	ND<0.0005	ND<0.0005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-606	12/19/1995	ND<0.5	--	--	--	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0.1	--	--	ND<0.02	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	--	--	0.00036	--	0.00054	--	ND<0 0003	ND<0.0003	--	ND<0.0003	ND<0.0003	0.00096	ND<0.0003	ND<0.0003	--
	12/16/1996	ND<0.1	--	--	ND<0.002	--	ND<0.001	ND<0.001	ND<0.001	ND<0 002	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001
	1/22/1998	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	8/19/1998	0.17	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	1/28/1999	ND<0.1	--	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0 005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
	7/19/1999	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	1/11/2000	ND<0.5	--	--	0.0012	--	ND<0.0005	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	8/2/2000	ND<0.5	--	--	--	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	0.0014	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	2/7/2001	ND<0.5	--	--	ND<0.001	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	0.0014	--	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	7/24/2001	ND<0.1	--	--	--	--	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	5/7/2002	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<10	ND<0.0005	ND<0.001	ND<0.001	ND<0 001	--	--	ND<0.001	ND<0.001	0.0013	ND<1	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	9/24/2002	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<10	ND<0.0005	ND<0.001	ND<0.001	ND<0 002	--	--	ND<0.001	ND<0.001	0.0021	ND<1	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	ND<0.001
	6/30/2004	ND<0.2	--	--	0.003J	ND<0.1	ND<0.0005	ND<0.0005	ND<0.0005	ND<0 001	ND<0.0005	ND<0.0005	ND<0.005	--	0.002J	ND<0.005	ND<0.005	ND<0.005	0.003J	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
MW-607	12/19/1995	1.2	--	31	--	--	0.033	0.035	0.0017	0.0094	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	0.9	--	--	0.012	--	0.019	0.005	0.0028	0.008	--	--	ND<0.0003	--	ND<0.0003	--	ND<0 0003	ND<0.0003	--	ND<0.0003	0.00068	ND<0.0003	ND<0.0003	ND<0.0003	--
	12/17/1996	1	--	--	ND<0.002	--	0.021	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	--	ND<0 001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	0.018
	1/22/1998	1.2	--	--	0.4	--	0.22	ND<0.025	ND<0.025	ND<0.025	--	--	ND<0.025	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	--	ND<0.05	ND<0.025	0.22	ND<0.025	ND<0.025	ND<0.025
MW-607	8/19/1998	0.26	--	--	0.012	--	0.017	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	TPHd	TRPH	MTBE	TBA	Benzene	Toluene	Ethyl-benzene	Total Xylenes	o-Xylene	m,p-Xylene	BDCM	BCM	Chloroform	Chloroethane	c-1,2 DCE	1,2-DCB	CFC11	Dichloro-difluoro-methane	1,1-DCA	1,2-DCA	1,1-DCE	1,2-DCP	IsoPB
	1/27/1999	**1.76**	--	--	**0.0062**	--	**0.22**	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.015**
	7/19/1999	**1.2**	--	--	ND<0.005	--	**0.26**	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	--	ND<0 005	ND<0.005	ND<0.0025	ND<0.005	ND<0.005	**0.013**
	1/11/2000	**1.2**	--	--	**0.0045**	--	**0.17**	ND<0.002	ND<0.002	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	--	ND<0 002	ND<0.002	ND<0.001	ND<0.002	ND<0.002	**0.0086**
	7/31/2000	**0.54**	--	--	**0.0062**	--	**0.11**	ND<0.002	ND<0.002	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0 002	ND<0.002	ND<0.001	ND<0.002	ND<0.002	**0.0073**
	2/7/2001	**0.05**	--	--	ND<0.001	--	**0.012**	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.0011**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	**0.0035**
	7/24/2001	**0.59**	--	--	ND<0.001	--	**0.013**	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.0014**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	**0.0053**
	5/7/2002	**0.49**	--	--	ND<0.001	**91**	**0.004**	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	**0.0015**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	**0.0036**
	9/24/2002	**0.11**	--	--	**0.0041**	**76**	ND<0.0005	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	**0.002**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	**0.0018**
	5/7/2002DUP	**0.44**	--	--	ND<0.001	NA	**0.0054**	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	**0.0017**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	**0.0036**
	9/24/2002DUP	**0.11**	--	--	**0.0042**	**NA**	ND<0.0005	ND<0.001	ND<0.001	ND<0.002	--	--	ND<0.001	ND<0.001	ND<0.001	ND<1	**0.0019**	ND<0.001	--	ND<0.001	ND<0.001	ND<0.0005	ND<0.001	ND<0.001	**0.0018**
	6/30/2004	**0.54**	--	--	**0.004J**	**0.05J**	0.01	ND<0 0005	ND<0.0005	**0.0019**	ND<0.0005	**0.0014**	ND<0.005	--	ND<0.005	ND<0.005	**ND<0.005**	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.019**
MW-A	2/20/1991	**0.0498**	--	--	--	--	**17**	**14**	**1.8**	**12.5**	--	--	--	--	--	--	--	ND<0.25	--	--	--	--	--	--	--
Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-B	2/25/1991	ND<1	--	--	--	--	**3.5**	**0.03**	**0.18**	**0.467**	**--**	--	--	--	--	--	--	ND<0.0005	--	--	--	--	--	--	--
Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-I	2/19/1991	**11**	--	--	--	--	**9.2**	**2.4**	**1.5**	**8.7**	--	--	--	--	--	--	--	ND<0.05	--	--	--	--	--	--	--
Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-C	3/31/1995	**0.06**	--	--	--	--	**0.0006**	**0.014**	ND<0.0005	**0.0027**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	7/11/1995	ND<0.05	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/1995	ND<0.5	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/1995	ND<0.5	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/1996	ND<0.5	--	--	--	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1996	ND<0.5	--	--	ND<0.02	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-D	3/31/1995	ND<0.05	--	--	--	--	ND<0.0005	**0.0066**	ND<0.0005	**0.0016**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	7/11/1995	ND<0.05	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/1995	ND<0.5	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/1995	ND<0.5	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/1996	ND<0.5	--	--	--	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1996	ND<0.5	--	--	ND<0.02	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-E	3/31/1995	**0.06**	--	--	--	--	**0.0091**	**0.0066**	**0.0011**	**0.0023**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	7/11/1995	ND<0.05	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/1995	ND<0.5	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/1995	ND<0.5	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	ND<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/1996	ND<0.5	--	--	--	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1996	ND<0.5	--	--	ND<0.02	--	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
Operational Area 1: Bloomfield Proper																			
MW-106	12/20/1995	--	--	--	--	--	--	--	--	--	--	--	**0.015**	**0.0015**	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	**0.017**	**0.0025**	--	--	--	**0.00098**	--
	12/17/1996	ND<0.002	ND<0.002	--	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	--	ND<0.002	**0.026**	ND<0.002	ND<0.002	ND<0.002	--	ND<0.004	--
	1/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	**0.01**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/20/1998	ND<0.005	ND<0.005	--	**0.0059**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	**0.0058**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	**0.0072**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	ND<0.001	--	**0.0052**	--	--	ND<0.01	ND<0.001	**0.0015**	--	ND<0.001	**0.0064**	**0.0026**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/14/2000	ND<0.01	ND<0.01	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.0096**	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	7/31/2000	ND<0.001	ND<0.01	ND<0.001	ND<0.001	ND<0.01	ND<0.01	ND<0.01	ND<0.001	ND<0.001	ND<0.01	**0.021**	**0.021**	**0.0021**	ND<0.001	ND<0.001	--	**0.025**	--
	2/6/2001	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.025**	**0.0028**	ND<0.001	ND<0.001	--	**0.015**	ND<0.001
	7/24/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.023**	**0.0021**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.017**	**0.0019**	ND<0.001	ND<0.001	--	**0.015**	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.024**	**0.0016**	ND<0.001	ND<0.001	--	**0.021**	ND<0.001
	7/1/2004	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	--	ND<0.005	--	ND<0.005	**0.021**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
MW-107	12/21/1995	--	--	--	--	--	--	--	--	--	--	--	**0.0065**	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	**0.019**	**0.00078**	--	--	--	**0.0011**	--
	12/17/1996	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	**0.033**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	--
	1/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	**0.047**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	**0.025**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	**0.044**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.05	ND<0.005	--	ND<0.005	--	--	ND<0.05	ND<0.005	ND<0.005	--	ND<0.005	**0.077**	ND<0.005	ND<0.005	ND<0.005	--	ND<0 0025	ND<0.005
	1/12/2000	ND<0.01	ND<0.001	--	**0.0022**	--	--	ND<0.01	ND<0.001	**0.003**	--	ND<0.001	**0.11**	**0.0034**	ND<0.001	ND<0.001	--	ND<0 0005	**0.0013**
	7/31/2000	ND<0.05	ND<0.005	ND<0.005	**0.049**	**0.11**	**0.14**	ND<0.05	ND<0.005	**0.0086**	ND<0.011	ND<0.005	**0.059**	ND<0.005	ND<0.005	ND<0.005	--	**0.053**	ND<0.005
	2/6/2001	ND<0.01	ND<0.001	**0.001**	**0.057**	--	--	ND<0.01	ND<0.001	**0.0097**	--	ND<0.001	**0.0045**	ND<0.001	ND<0.001	ND<0.001	--	**0.021**	ND<0.001
	7/26/2001	ND<0.01	ND<0.001	--	**0.053**	--	--	ND<0.01	ND<0.001	**0.0085**	--	ND<0.001	**0.013**	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/9/2002	ND<0.02	ND<0.002	ND<2	**0.048**	--	--	ND<0.02	ND<0.002	**0.0084**	--	ND<0.002	**0.0057**	ND<0.02	ND<0.002	ND<0.002	--	**0.03**	ND<0.002
	9/25/2002	ND<0.02	ND<0.002	ND<2	**0.068**	--	--	ND<0.02	ND<0.002	**0.012**	--	ND<0.002	ND<0.002	ND<0.02	ND<0.002	ND<0.002	--	**0.028**	ND<0.002
	7/1/2004	ND<0.005	**0.002J**	**0.002J**	**0.14**	--	--	**0.002J**	--	**0.02**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.012**	ND<0.005
MW-203	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	**0.0045**	--	--	--	--	**0.0014**	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	**0.0017**	**0.00034**	--	--	--	**0.002**	--
	12/17/1996	ND<0.001	ND<0.001	--	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.002	--
	1/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.0019**	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/12/2000	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.005	ND<0.001
	7/31/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.01	ND<0.01	ND<0.01	ND<0.001	ND<0.001	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.00051**	ND<0.001
	2/6/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.0016**	ND<0.001	ND<0.001	ND<0.001	--	**0.0011**	ND<0.001
	7/24/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.0018**	ND<0.001	ND<0.001	ND<0.001	--	**0.0083**	ND<0.001
	5/8/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.002	**0.0017**	ND<0.001	ND<0.001	ND<0.001	--	**0.00053**	ND<0.001
	9/25/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.003	**0.0025**	ND<0.001	ND<0.001	ND<0.001	--	**0.0011**	ND<0.001

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	7/1/2004	ND<0.005	ND<0.005	--	--	--	--	ND<0.005	--	ND<0.005	--	ND<0.005	**0.004J**	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
Operational Area 2: East Tank Farm Ar																			
MW-103	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-103	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	ND<0 0005	--	--	--	--	--	--	--	--	--	ND<0.0005	ND<0.0005	ND<0.0005	--	--	--	**0.0025**	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	**0.00038**	--	--	--	ND<0 0003	--
	12/17/1996	ND<0.005	ND<0.005	--	**0.0084**	--	--	ND<0.005	ND<0.005	ND<0.005	--	**0.0089**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.054**	--
	1/21/1998	ND<0.005	ND<0.005	--	**0.015**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.028**	ND<0.005
	8/19/1998	ND<0.005	**0.0069**	--	**0.018**	--	--	ND<0.01	ND<0.005	**0.0054**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	**0.0059**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	**0.0031**	--	**0.0081**	--	--	ND<0.01	ND<0.001	**0.0039**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/12/2000	ND<0.01	**0.0035**	--	**0.0067**	--	--	ND<0.01	ND<0.001	**0.0037**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	8/4/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.01	ND<0.01	ND<0.01	ND<0.001	**0.0039**	ND<0.01	ND<0.001	ND<0.001	**0.0012**	ND<0.001	ND<0.001	--	**0.00075**	ND<0.001
	2/9/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	**0.0036**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	7/25/2001	ND<0.01	**0.0029**	--	**0.0055**	--	--	ND<0.01	ND<0.001	**0.0032**	--	ND<0.001	ND<0.001	ND<0.001	**0.0058**	**0.0017**	--	ND<0 0005	ND<0.001
	5/8/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	9/25/2002	ND<0.01	**0.0039**	ND<1	**0.013**	--	--	ND<0.01	ND<0.001	**0.0043**	--	ND<0.001	ND<0.001	ND<0.001	**0.0014**	ND<0.001	--	ND<0 0005	ND<0.001
MW-202	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	**0.00034**	**0.00037**	--	--	--	ND<0 0003	--
	12/17/1996	ND<0.05	ND<0.05	--	**0.1**	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.01	--
	1/21/1998	ND<0.005	**0.011**	--	**0.1**	--	--	ND<0.01	ND<0.005	**0.016**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/18/1998	ND<0.005	**0.016**	--	**0.091**	--	--	ND<0.01	ND<0.005	**0.026**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	**0.13**	--	--	ND<0.01	ND<0.005	**0.029**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.02	**0.019**	--	**0.13**	--	--	ND<0.02	ND<0.002	**0.029**	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0.001	ND<0.002
	1/11/2000	ND<0.01	**0.0072**	--	**0.029**	--	--	ND<0.01	ND<0.001	**0.023**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	8/2/2000	ND<0.01	**0.0019**	**0.018**	**0.01**	ND<0.01	ND<0.01	ND<0.01	ND<0.001	**0.023**	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	2/7/2000	ND<0.01	**0.0011**	**0.018**	**0.0077**	--	--	ND<0.01	ND<0.001	**0.01**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0033**	ND<0.001
	7/24/2001	ND<0.01	**0.0024**	--	**0.016**	--	--	ND<0.01	ND<0.001	**0.004**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/8/2002	ND<0.01	**0.0031**	**1.4**	**0.032**	--	--	ND<0.01	ND<0.001	**0.0036**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	9/26/2002	ND<0.05	ND<0.005	ND<5	**0.069**	--	--	ND<0.05	ND<0.005	**0.0056**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0 0025	ND<0.005
MW-204	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1996	ND<0.001	--	--	--	--	--	--	--	--	--	ND<0.001	ND<0.001	**0.0011**	--	--	--	**0.0052**	--
	12/17/1996	ND<0.05	ND<0.05	--	ND<0.05	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.1	--
	1/21/1998	ND<0.005	ND<0.005	--	**0.036**	--	--	**0.065**	ND<0.005	**0.081**	--	ND<0.005	ND<0.005	ND<0.005	**0.09**	**0.023**	--	**0.009**	ND<0.005
MW-204	8/21/1998	ND<0.05	ND<0.05	--	**0.054**	--	--	ND<0.1	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	**0.2**	ND<0.05	--	ND<0.1	ND<0.05
	1/28/1999	ND<0.05	ND<0.05	--	ND<0.05	--	--	ND<0.1	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	**0.21**	**0.052**	--	ND<0.1	ND<0.05
	1/28/1999DUP	ND<0.005	ND<0.005	--	**0.048**	--	--	**0.094**	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	**0.25**	**0.061**	--	**0.012**	ND<0.005
	7/19/1999	ND<0.1	ND<0.01	--	**0.023**	--	--	ND<0.1	ND<0.1	ND<0.1	--	ND<0.01	ND<0.01	ND<0.01	**0.047**	**0.011**	--	ND<0.005	ND<0.01
	1/11/2000	ND<0.1	ND<0.01	--	**0.019**	--	--	ND<0.1	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	ND<0.005	ND<0.01
	8/3/2000	ND<0.05	ND<0.005	ND<0.005	**0.021**	**0.064**	**0.088**	ND<0.01	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.0025	ND<0.005
	2/8/2001	ND<0.01	ND<0.001	ND<0.001	**0.0029**	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	7/24/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/9/2002	ND<0.02	ND<0.002	ND<2	**0.013**	--	--	ND<0.02	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	ND<0.002	**0.026**	**0.0089**	--	**0.0035**	ND<0.002
	9/26/2002	ND<0.02	ND<0.002	ND<2	**0.0095**	--	--	ND<0.02	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	ND<0.002	**0.022**	**0.0077**	--	**0.0034**	ND<0.002
	6/30/2004	ND<0.005	ND<0.005	ND<0.005	**ND<0.005**	--	--	**0.004J**	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	**0.0068**	**0.002J**	--	ND<0.005	ND<0.005
W-7	8/4/2000	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	2/8/2001	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	7/26/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
Operational Area 3: Processing Area																			
MW-104	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	**0.00078**	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	**0.00054**	--	--	--	ND<0 0003	--
	12/16/1996	ND<0.001	ND<0.001	--	**0.0052**	--	--	ND<0.001	ND<0.001	**0.0029**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0032**	--
	1/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/18/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
MW-104A	7/19/1999	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	**0.0012**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/13/2000	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0057**	ND<0.001
	8/2/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.01	ND<0.01	ND<0.01	ND<0.001	ND<0.001	ND<0.01	ND<0.001	ND<0.001	**0.0018**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	2/7/2001	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	**0.0014**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	7/25/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	**0.0014**	ND<0.001	ND<0.001	**--**	ND<0 0005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	**0.0014**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.0014**	**0.0016**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	6/30/2004	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	--	--	--	ND<0.005	--	ND<0.005	**0.002J**	**0.004J**	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
MW-504	12/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1996	ND<0.001	--	--	--	--	--	--	--	--	--	ND<0.001	**0.00046**	**0.00078**	--	--	--	**0.0011**	--
	12/18/1996	ND<0.25	ND<0.25	--	**0.35**	--	--	**2.3**	**0.37**	ND<0.25	--	ND<0.25	ND<0.25	ND<0.25	**5**	**2.1**	--	ND<0.5	--
	1/21/1998	ND<0.25	ND<0.25	--	ND<0.25	--	--	**0.36**	ND<0.25	ND<0.25	--	ND<0.25	ND<0.25	ND<0.25	**0.8**	**0.34**	--	ND<0.5	ND<0.25
	8/20/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/28/1999	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/19/1999	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/10/2000	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/31/2000	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-504	2/6/2001	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/24/2001	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/6/2002	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2002	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Operational Area 4: West Tank Farm A																			
MW-101	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.18**	--	--
	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	**0.0013**	--	--	--	--	--	--	--	--	--	**0.036**	**0.00097**	**0.1**	--	--	--	ND<0 0005	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	**24**	ND<0.0003	**0.041**	--	--	--	ND<0 0003	--
	12/17/1996	ND<0.025	ND<0.025	--	ND<0.025	--	--	ND<0.025	ND<0.025	ND<0.025	--	**0.057**	ND<0.025	**0.24**	ND<0.025	ND<0.025	--	ND<0.05	--
	1/19/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.18**	ND<0.005	**0.32**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/18/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.034**	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/26/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.0193**	ND<0.005	**0.16**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.02	ND<0.002	--	ND<0.002	--	--	ND<0.02	ND<0.002	ND<0.002	--	**0.078**	**0.0085**	**0.27**	ND<0.002	ND<0.002	--	ND<0.001	ND<0.002
	1/10/2000	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.21**	**0.0035**	**0.26**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	8/3/2000	ND<0.02	ND<0.002	ND<0.002	ND<0.002	ND<0.01	ND<0.01	ND<0.02	ND<0.002	ND<0.002	ND<0.01	**0.037**	**0.019**	**0.27**	ND<0.002	ND<0.002	--	**0.005**	ND<0.002
	2/9/2001	ND<0.05	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.05	ND<0.005	ND<0.005	--	**0.0099**	**0.011**	**0.1**	ND<0.005	ND<0.005	--	**0.0032**	ND<0.005
	7/26/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.0081**	**0.015**	**0.1**	ND<0.001	ND<0.001	--	**0.0043**	ND<0.001
	5/8/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.0062**	**0.0056**	**0.078**	ND<0.001	ND<0.001	--	**0.0019**	ND<0.001
	9/25/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.0045**	**0.0045**	**0.079**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
MW-105	12/21/1995	--	--	--	--	--	--	--	--	--	--	**0.016**	--	**0.046**	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	**0.024**	ND<0.0003	**0.033**	--	--	--	ND<0 0003	--
	12/16/1996	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	**0.08**	ND<0.005	**0.11**	ND<0.005	ND<0.005	--	ND<0.01	--
	1/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.15**	ND<0.005	**0.21**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/18/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.0967**	ND<0.005	**0.162**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/25/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.125**	ND<0.005	**0.187**	ND<0.005	ND<0.005	--	**0.00643**	ND<0.005
	7/19/1999	ND<0.01	ND<0.001	--	ND<0.001	ND<0.0095	ND<0.0095	ND<0.01	ND<0.001	ND<0.001	--	**0.078**	**0.015**	**0.28**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/10/2000	ND<0.05	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.05	ND<0.005	ND<0.005	--	ND<0.005	**0.062**	**0.13**	ND<0.005	ND<0.005	--	ND<0 0025	ND<0.005
	7/31/2000	ND<0.05	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.0095	ND<0.005	ND<0.005	ND<0.0095	ND<0.005	**0.059**	**0.16**	ND<0.005	ND<0.005	--	**0.01**	ND<0.005
	2/6/2001	ND<0.05	ND<0.005	--	ND<0.005	--	--	ND<0.05	ND<0.005	ND<0.005	--	ND<0.005	**0.021**	**0.047**	ND<0.005	ND<0.005	--	**0.0079**	ND<0.005
	7/24/2001	ND<0.001	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.011**	**0.036**	ND<0.001	--	--	ND<0.005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.002	**0.0068**	**0.038**	ND<0.001	ND<0.001	--	**0.0039**	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.003	**0.0064**	**0.043**	ND<0.001	ND<0.001	--	**0.014**	ND<0.001
	6/30/2004	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	--	ND<0.005	--	**0.022**	**0.0054**	**0.076**	ND<0.005	ND<0.005	--	**0.0072**	ND<0.005
MW-201	8/1/1985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	12/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	**0.0007**	--	--	--	--	--	--	--	--	--	**0.058**	**0.0017**	**0.11**	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	**0.11**	ND<0.0003	**0.12**	--	--	--	ND<0 0003	--
	12/17/1996	ND<0.01	ND<0.01	--	**0.021**	--	--	ND<0.01	ND<0.01	ND<0.01	--	**0.21**	ND<0.01	**0.21**	**0.14**	**0.028**	--	ND<0.02	--
	1/21/1998	ND<0.005	ND<0.005	--	**0.021**	--	--	**0.011**	ND<0.005	ND<0.005	--	**0.16**	**0.0053**	**0.18**	**0.02**	**0.012**	--	ND<0.01	ND<0.005
	1/21/1998DUP	ND<0.005	ND<0.005	--	**0.02**	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.012**	**0.0055**	**0.16**	**0.018**	**0.0099**	--	ND<0.01	ND<0.005
	8/18/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	**0.011**	ND<0.005	ND<0.005	--	**0.016**	ND<0.005	**0.12**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.05	ND<0.005	--	**0.025**	--	--	ND<0.05	**0.005**	ND<0.005	--	**0.04**	**0.012**	**0.16**	**0.053**	**0.015**	--	ND<0 0025	ND<0.005
	1/12/2000	ND<0.05	ND<0.005	--	**0.015**	--	--	ND<0.05	**0.0054**	ND<0.005	--	ND<0.005	ND<0.005	**0.038**	**0.032**	ND<0.005	--	ND<0 0025	ND<0.005
MW-201	8/4/2000	ND<0.05	ND<0.005	ND<0.005	**0.012**	ND<0.01	ND<0.01	ND<0.01	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	**0.032**	**0.033**	ND<0.005	--	ND<0 0025	ND<0.005
	2/9/2001	ND<0.1	ND<0.01	ND<0.01	**0.032**	--	--	ND<0.1	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	**0.013**	**0.024**	ND<0.01	--	ND<0.005	ND<0.01
	7/26/2001	ND<0.1	**0.031**	--	**0.016**	--	--	ND<0.1	**0.0036**	**0.033**	--	ND<0.01	**0.0068**	**0.008**	**0.017**	**0.0025**	--	ND<0.01	ND<0.02
	5/9/2002	ND<0.02	ND<0.002	ND<2	**0.0086**	--	--	ND<0.02	**0.0024**	**0.0021**	--	ND<0.002	**0.0042**	**0.014**	**0.0056**	**0.0038**	--	**0.0011**	ND<0.002
	9/26/2002	ND<0.01	**0.0024**	ND<1	**0.012**	--	--	ND<0.001	**0.0026**	**0.0022**	--	ND<0.001	**0.0033**	**0.029**	**0.012**	**0.014**	--	**0.0014**	ND<0.001
	6/30/2004	ND<0.005	ND<0.005	ND<0.005	**0.024**	--	--	**0.016**	**--**	**0.005J**	--	ND<0.005	ND<0.005	ND<0.005	**0.0054**	**0.012**	--	**0.002J**	ND<0.005
MW-205	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	**0.00058**	--	--	--	--	--	--	--	--	--	**0.0028**	**0.0053**	**0.08**	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	**0.0035**	ND<0.0003	**0.084**	--	--	--	ND<0 0003	--
	12/16/1996	ND<0.002	ND<0.002	--	ND<0.002	--	--	ND<0.002	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	**0.045**	ND<0.002	ND<0.002	--	ND<0.004	--
	1/20/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	**0.048**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/21/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	**0.062**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/26/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	**0.0251**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.0018**	**0.012**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/11/2000	ND<0.01	ND<0.001	ND<0.001	**0.0011**	ND<0.01	ND<0.01	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.013**	ND<0.001
	8/2/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	2/7/2001	ND<0.01	ND<0.001	--	**0.0015**	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	**0.0011**	**0.0017**	**0.0085**	--	**0.00096**	ND<0.001
	7/26/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	**0.0011**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/8/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	**0.011**	ND<0.001	ND<0.001	--	**0.00065**	ND<0.001

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	9/25/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.0011**	--	**0.0047**	ND<0.001
	6/30/2004	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.005	--	ND<0.005	--	ND<0.005	--	--	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
W-8	8/4/2000	ND<0.001	ND<0.001	--	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	2/6/2001	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/26/2001	ND<0.001	ND<0.001	--	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	7/1/2004	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
Operational Area 5: Lakeland Property																			
MW-206	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-206	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	**0.0014**	--	--	--	ND<0 0003	--
	12/18/1996	ND<0.1	ND<0.1	--	**0.12**	--	--	**0.13**	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	**0.19**	**0.14**	--	ND<0.2	--
	1/21/1998	ND<0.005	**0.017**	--	**0.22**	--	--	**0.059**	**0.005**	**0.011**	--	ND<0.005	ND<0.005	ND<0.005	**0.035**	**0.012**	--	ND<0.01	**0.05**
	8/20/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-501	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Destroyed	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	**0.001**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	**0.00039**	--	--	--	ND<0 0003	--
	12/18/1996	ND<0.05	ND<0.05	--	**0.2**	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	**0.31**	**0.13**	--	ND<0.1	--
	1/21/1998	ND<0.005	ND<0.005	--	**0.0061**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	**0.0093**	ND<0.005	--	ND<0.01	ND<0.005
	8/20/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/26/1999	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-501A	7/19/1999	ND<0.25	ND<0.025	--	**0.052**	--	--	ND<0.25	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	--	<0.013	ND<0.025
	1/13/2000	ND<0.1	ND<0.01	--	**0.042**	--	--	ND<0.1	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	ND<0.005	ND<0.01
	8/2/2000	ND<0.1	ND<0.01	ND<0.01	**0.15**	**0.094**	**0.14**	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	ND<0.006	ND<0.01
	2/7/2001	ND<0.1	ND<0.01	ND<0.01	**0.18**	--	--	ND<0.1	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	**0.0065**	ND<0.01
	7/25/2001	ND<0.1	ND<0.01	--	**0.21**	--	--	ND<0.1	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	ND<0.005	ND<0.01
	5/8/2002	ND<0.02	**0.011**	ND<2	**0.19**	--	--	ND<0.02	ND<0.002	**0.0093**	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	**0.0024**	ND<0.002
	9/26/2002	ND<0.1	**0.038**	ND<10	**0.38**	--	--	ND<0.1	ND<0.01	**0.024**	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	**0.0055**	ND<0.01
MW-502	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/13/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	**0.00052**	--	--	--	ND<0 0003	--
	12/18/1996	ND<0.5	ND<0.5	--	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND<1	--
	1/22/1998	ND<0.025	ND<0.025	--	**0.18**	--	--	**0.32**	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	ND<0.025	**0.3**	**0.07**	--	ND<0.05	ND<0.025
	8/19/1998	ND<0.005	**0.016**	--	**0.14**	--	--	**0.28**	ND<0.005	**0.01**	--	ND<0.005	ND<0.005	ND<0.005	**0.34**	**0.06**	--	ND<0.01	ND<0.005
	1/26/1999	ND<0.005	ND<0.005	--	**0.135**	--	--	**0.255**	ND<0.005	**0.0151**	--	ND<0.005	ND<0.005	ND<0.005	**0.179**	**0.0471**	--	ND<0.01	ND<0.005
	7/19/1999	ND<50	ND<5	--	ND<5	--	--	ND<50	ND<5	ND<5	--	ND<5	ND<5	ND<5	ND<5	ND<5	--	ND<2.5	ND<5
	1/13/2000	ND<10	ND<1	--	ND<1	--	--	ND<10	ND<10	ND<10	--	ND<1	ND<1	ND<1	ND<1	ND<1	--	ND<0.5	ND<1
	8/2/2000	ND<0.1	ND<0.1	ND<0.1	**0.11**	**0.03**	**0.045**	**0.16**	ND<0.1	ND<0.1	**0.08**	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.05	ND<0.1

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	2/7/2001	ND<0.5	ND<0.05	ND<0.05	**0.092**	--	--	ND<0.5	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.025	ND<0.05
	7/25/2001	ND<0.5	ND<0.05	--	**0.11**	--	--	ND<0.5	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	**0.089**	ND<0.05	--	ND<0.025	ND<0.05
	5/9/2002	ND<2	ND<0.2	ND<200	ND<0.2	--	--	ND<2	ND<0.2	ND<0.2	--	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	--	ND<0.1	ND<0.2
	9/26/2002	ND<1	ND<0.1	ND<100	**0.1**	--	--	ND<1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	**0.1**	ND<0.1	--	ND<0.05	ND<0.1
MW-503	6/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	9/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1988	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	**0.001**	--	--	--	--	--	--	--	--	--	--	**0.0012**	**0.085**	--	--	--	**0.0014**	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	**0.09**	ND<0.0003	**0.13**	--	--	--	ND<0 0003	--
	12/18/1996	ND<0.01	ND<0.01	--	**0.048**	--	--	**0.028**	ND<0.01	**0.012**	--	**0.014**	ND<0.01	**0.27**	**0.063**	**0.023**	--	ND<0.02	--
	1/21/1998	ND<0.005	**0.006**	ND<2	**0.068**	--	--	**0.017**	ND<0.005	**0.012**	--	ND<0.005	**0.027**	**0.46**	**0.0058**	**0.014**	--	ND<0.01	ND<0.005
	8/19/1998	ND<0.005	ND<0.005	1.8	**0.014**	--	--	**0.0053**	ND<0.005	ND<0.005	--	ND<0.005	**0.071**	**0.063**	**0.005**	ND<0.005	--	ND<0.01	ND<0.005
MW-503B	2/9/1999	ND<0.05	ND<0.05	--	**0.084**	--	--	ND<0.05	ND<0.05	ND<0.05	--	ND<0.05	**0.15**	ND<0.05	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05
	7/19/1999	ND<0.2	ND<0.02	--	**0.13**	--	--	ND<0.2	ND<0.02	**0.02**	--	ND<0.02	**0.25**	**0.025**	ND<0.02	ND<0.02	--	ND<0.01	ND<0.02
	1/14/2000	ND<0.2	ND<0.02	--	**0.17**	--	--	ND<0.2	ND<0.02	ND<0.02	--	ND<0.02	**0.2**	ND<0.02	ND<0.02	ND<0.02	--	ND<0.01	ND<0.02
	8/4/2000	ND<0.01	ND<0.01	ND<0.01	**0.1**	ND<0.01	ND<0.01	**0.023**	ND<0.01	**0.014**	ND<0.01	ND<0.01	**0.16**	ND<0.01	ND<0.01	ND<0.01	--	ND<0.005	ND<0.01
	2/6/2001	ND<0.2	ND<0.02	ND<0.02	**0.13**	--	--	ND<0.2	ND<0.02	ND<0.02	--	ND<0.02	**0.15**	ND<0.02	ND<0.02	ND<0.02	--	ND<0.01	ND<0.02
	7/25/2001	ND<0.5	ND<0.05	--	**0.091**	--	--	ND<0.5	ND<0.05	ND<0.05	--	ND<0.05	**0.057**	ND<0.05	ND<0.05	ND<0.05	--	ND<0.025	ND<0.05
	5/9/2002	ND<0.02	**0.0071**	--	**0.12**	--	--	**0.026**	**0.0028**	**0.018**	--	ND<0.002	**0.023**	ND<0.002	**0.0025**	**0.0022**	--	**0.0077**	ND<0.002
	9/26/2002	ND<0.01	**0.0086**	--	**0.15**	--	--	**0.048**	**0.0033**	**0.018**	--	ND<0.001	**0.016**	ND<0.001	**0.0025**	**0.0037**	--	**0.01**	ND<0.001
	7/1/2004	ND<0.005	**0.014**	**0.003J**	**0.2E**	--	--	**0.042**	**--**	**0.028**	--	ND<0.005	**--**	ND<0.005	**0.003J**	**0.004J**	--	ND<0.005	ND<0.005
Operational Area 6: Former AST Area a																			
W-3	11/1/1989	ND<0 0005	--	--	--	--	--	--	--	--	--	ND<0.0005	ND<0.0005	ND<0.0005	--	--	--	**0.0071(A)**	ND<0.0005
Abandoned	1/1/1990	ND<0.002	--	--	--	--	--	--	--	--	--	ND<0.0005	ND<0.001	ND<0.0005	--	--	--	ND<0.002	ND<0.001
	3/1/1990	ND<0.002	--	--	--	--	--	--	--	--	--	ND<0.0005	ND<0.001	ND<0.0005	--	--	--	ND<0.002	ND<0.001
	4/1/1990	ND<0.002	--	--	--	--	--	--	--	--	--	ND<0.0005	ND<0.001	ND<0.0005	--	--	--	ND<0.002	ND<0.001
	12/18/1996	ND<0.025	ND<0.025	--	ND<0.025	--	--	ND<0.025	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	--	ND<0.05	--
	1/13/1998	ND<0.005	ND<0.005	--	**0.016**	--	--	ND<0.01	ND<0.005	**0.006**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.051**	ND<0.005
	8/20/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
W-3A	1/13/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/20/1998	ND<0.025	ND<0.025	--	ND<0.025	--	--	**0.35**	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	--	ND<0.05	ND<0.025
	1/28/1999	ND<0.05	ND<0.05	--	ND<0.05	--	--	**0.24**	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05
	7/19/1999	ND<0.2	**0.025**	--	**0.026**	--	--	ND<0.2	ND<0.02	ND<0.02	--	ND<0.02	ND<0.02	ND<0.02	**0.037**	ND<0.02	--	ND<0.01	ND<0.02
	1/13/2000	ND<0.1	ND<0.01	--	ND<0.01	--	--	ND<0.1	ND<0.01	ND<0.01	--	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	--	**0.007**	ND<0.01
	8/4/2000	ND<0.02	**0.0097**	ND<0.002	**0.021**	**0.47**	**0.74**	ND<0.05	ND<0.002	**0.0073**	ND<0.05	ND<0.002	ND<0.002	ND<0.002	**0.002**	**0.002**	--	**0.005**	ND<0.002
W-3A	2/8/2001	ND<0.01	**0.0039**	ND<0.001	**0.012**	**--**	**--**	**0.063**	ND<0.001	**0.0036**	--	ND<0.001	ND<0.001	ND<0.001	**0.013**	**0.0044**	--	**0.0017**	ND<0.001
	7/26/2001	ND<0.01	**0.0087**	**--**	**0.024**	**--**	**--**	**0.011**	ND<0.001	**0.0075**	--	ND<0.001	ND<0.001	ND<0.001	**0.015**	ND<0.001	--	**0.027**	ND<0.001
	5/6/2002	NS	NS	NS	NS	**--**	**--**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/25/2002	NS	NS	NS	NS	**--**	**--**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Offsite Wells: Walker Property																			
W-1	11/1/1989	ND<0.0005(A)	--	--	--	--	--	--	--	--	--	ND<0.0005(A)	ND<0.0005(A)	ND<0.0005(A)	--	--	--	**0.021**	ND<0.0005
	3/1/1990	ND<0.02	--	--	--	--	--	--	--	--	--	ND<0.005	ND<0.01	ND<0.005	--	--	--	ND<0.02	ND<0.01
	4/1/1990	ND<0.005	--	--	--	--	--	--	--	--	--	ND<0.005	ND<0.005	ND<0.005	--	--	--	ND<0.005	ND<0.005
	12/18/1996	ND<0.005	ND<0.005	--	**0.031**	--	--	**0.01**	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	--
	1/14/1998	ND<0.005	ND<0.005	--	**0.02**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.016**	ND<0.005
	8/20/1998	ND<0.005	ND<0.005	--	**0.03**	--	--	ND<0.01	ND<0.005	**0.005**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.026**	ND<0.005
	1/29/1999	ND<0.005	ND<0.005	--	**0.028**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.018**	ND<0.005
	7/19/1999	ND<0.02	**0.0027**	--	**0.023**	--	--	ND<0.02	ND<0.002	**0.0044**	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0.001	ND<0.002
	1/1300	ND<0.01	**0.0027**	--	**0.024**	--	--	ND<0.01	ND<0.001	**0.0039**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.013**	ND<0.001
	8/3/2000	ND<0.01	**0.002**	ND<0.001	**0.018**	**0.041**	**0.041**	ND<0.01	ND<0.001	**0.0032**	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0073**	ND<0.001
	2/8/2001	ND<0.01	ND<0.001	--	**0.0059**	--	--	ND<0.01	ND<0.001	**0.0018**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0063**	ND<0.001
	7/26/2001	ND<0.01	ND<0.001	--	**0.0077**	--	--	ND<0.01	ND<0.001	**0.0022**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0068**	ND<0.001
	5/8/2002	ND<0.01	ND<0.001	ND<1	**0.0024**	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0064**	ND<0.001

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	9/25/2002	ND<0.01	ND<0.001	ND<1	**0.0027**	--	--	ND<0.01	ND<0.001	**0.001**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.014**	ND<0.001
	7/1/2004	ND<0.005	ND<0.005	ND<0.005	**--**	--	--	ND<0.005	--	**0.001J**	--	ND<0.005	**0.004J**	ND<0.005	ND<0.005	ND<0.005	--	**0.002**	ND<0.005
	10/6/2005	--	--	--	ND<0.01	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	**0.0016**	ND<0.001	ND<0.001	ND<0.01	--	**0.0071**	--
	2/15/2006	--	ND<0.005	--	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	**0.0013J**	ND<0.005	ND<0.005	ND<0.005	--	**0.0033J**	--
	8/3/2006	--	ND<0.005	--	**0.0087**	--	--	ND<0.005	ND<0.002	ND<0.005	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0.005	--
W-2	11/1/1989	ND<0.0005(A)	--	--	--	--	--	--	--	--	--	ND<0.0005(A)	ND<0.0005(A)	ND<0.0005(A)	--	--	--	**0.075(A)**	ND<0.0005
Abandoned	3/1/1990	ND<0.002	--	--	--	--	--	--	--	--	--	ND<0.0005	ND<0.001	ND<0.0005	--	--	--	ND<0.002	ND<0.001
	4/1/1990	ND<0.005	--	--	--	--	--	--	--	--	--	ND<0.0025	ND<0.005	ND<0.0025	--	--	--	**0.0059**	ND<0.001
	12/18/1996	ND<0.002	ND<0.002	--	**0.012**	--	--	ND<0.002	ND<0.002	ND<0.002	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	**0.011**	--
	1/14/1998	ND<0.005	ND<0.005	--	**0.006**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.027**	ND<0.005
	8/20/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
W-4	3/1/1990	ND<0 0005	--	--	--	--	--	--	--	--	--	ND<0.0005	ND<0.0005	ND<0.0005	--	--	--	ND<0 0005	ND<0.0005
	4/1/1990	ND<0.002	--	--	--	--	--	--	--	--	--	ND<0.001	ND<0.001	ND<0.001	--	--	--	**0.0043**	ND<0.001
	12/18/1996	ND<0.005	ND<0.005	--	**0.018**	--	--	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	--
	1/14/1998	ND<0.005	ND<0.005	--	**0.027**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.016**	ND<0.005
	8/20/1998	ND<0.005	ND<0.005	--	**0.025**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.0098**	ND<0.005
	1/29/1999	ND<0.005	ND<0.005	--	**0.016**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.011**	ND<0.005
	7/19/1999	ND<0.02	ND<0.002	--	**0.015**	--	--	ND<0.02	ND<0.002	**0.0027**	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0.001	ND<0.002
	1/13/2000	ND<0.01	ND<0.001	--	**0.0016**	--	--	ND<0.01	ND<0.001	**0.0014**	--	ND<0.001	ND<0.001	ND<0.01	ND<0.001	ND<0.001	--	**0.013**	ND<0.001
	8/3/2000	ND<0.01	ND<0.001	ND<0.001	**0.0023**	ND<0.01	ND<0.01	ND<0.01	ND<0.001	**0.0015**	ND<0.01	ND<0.001	**0.0012**	ND<0.01	ND<0.001	ND<0.001	--	**0.012**	ND<0.001
	2/8/2001	ND<0.01	ND<0.001	--	**0.003**	--	--	ND<0.01	ND<0.001	**0.0011**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.007**	ND<0.001
	7/26/2001	ND<0.01	ND<0.001	--	**0.0057**	--	--	ND<0.01	ND<0.001	**0.0017**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/8/2002	ND<0.01	ND<0.001	ND<1	**0.0023**	--	--	ND<0.01	ND<0.001	**0.0014**	--	ND<0.001	**0.002**	ND<0.001	ND<0.001	ND<0.001	--	**0.0052**	ND<0.001
	9/25/2002	ND<0.01	ND<0.001	ND<1	**0.0049**	--	--	ND<0.001	ND<0.001	**0.0023**	--	ND<0.001	**0.0038**	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	7/1/2004	ND<0.005	ND<0.005	ND<0.005	**0.003J**	--	--	ND<0.005	--	**0.001J**	--	ND<0.005	**0.001J**	ND<0.005	ND<0.005	ND<0.005	--	**0.011**	ND<0.005
	10/6/2005	--	--	--	**0.0042**	--	--	ND<0.01	ND<0.001	**0.0011**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0013**	--
	2/15/2006	--	ND<0.005	--	**0.0075**	--	--	ND<0.005	ND<0.005	**0.002J**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.0024J**	--
	8/3/2006	--	ND<0.005	--	ND<0.002	--	--	ND<0.005	ND<0.002	ND<0.005	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0.005	--
EW-1	11/1/1989	ND<0.005	--	--	--	--	--	--	--	--	--	ND<0.005	**0.0098**	ND<0.005	--	--	--	**0.029**	ND<0.005
	3/1/1990	ND<0.1	--	--	--	--	--	--	--	--	--	ND<0.025	ND<0.05	ND<0.025	--	--	--	ND<0.1	ND<0.05
	4/1/1990	ND<0.005	--	--	--	--	--	--	--	--	--	ND<0.001	**0.02**	ND<0.01	--	--	--	ND<0.02	ND<0.01
	8/21/1998	ND<0.05	ND<0.05	--	**0.17**	--	--	**0.15**	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05
	1/28/1999	ND<0.05	ND<0.05	--	**0.15**	--	--	**0.13**	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.1	ND<0.05
	7/19/1999	ND<0.25	ND<0.025	--	**0.16**	--	--	ND<0.25	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	ND<0.025	ND<0.025	**0.025**	--	<0.013	ND<0.025
	1/13/2000	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/31/2000	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/6/2001	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/26/2001	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/6/2002	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/25/2002	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Offsite Wells: Metropolitan State Hosp																			
MW-600	8/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	2/20/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1996	ND<0.001	--	--	--	--	--	--	--	--	--	ND<0.001	ND<0.001	**0.00053**	--	--	--	ND<0.001	--
	12/19/1996	ND<0.5	ND<0.5	--	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	**1.8**	**0.58**	--	ND<1	--
	1/22/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/20/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/28/1999	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-600A	7/19/1999	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/10/2000	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/31/2000	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/6/2001	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/24/2001	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/6/2002	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2002	NS	NS	NS	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-601	8/1/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	2/20/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1996	ND<0.001	--	--	--	--	--	--	--	--	--	ND<0.001	ND<0.001	**0.00051**	--	--	--	**0.0019**	--
MW-601	12/19/1996	ND<0.5	ND<0.5	--	ND<0.5	--	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	**1.1**	ND<0.5	--	ND<1	--
Abandoned	1/22/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/20/1998	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/28/1999	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-601A	7/19/1999	ND<50	ND<5	--	ND<5	--	--	ND<50	ND<5	ND<5	--	ND<5	ND<5	ND<5	ND<5	ND<5	--	<25	ND<5
	1/13/2000	ND<10	ND<1	--	ND<1	--	--	ND<10	ND<1	ND<1	--	ND<1	ND<1	ND<1	ND<1	ND<1	--	ND<0.5	ND<1
	8/3/2000	ND<0.2	ND<0.2	--	ND<0.2	--	--	**0.069**	ND<0.2	ND<0.2	ND<0.01	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	--	ND<0.1	ND<0.2

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	2/7/2001	ND<0.5	ND<0.05	ND<0.2	**0.13**	**0.015**	**0.025**	ND<0.5	ND<0.05	ND<0.05	--	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--	ND<0.025	ND<0.05
	7/24/2001	ND<0.1	ND<0.1	ND<0.05	**0.0018**	--	--	ND<0.1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.05	ND<0.1
	5/9/2002	ND<0.1	ND<0.1	ND<100	**0.15**	--	--	ND<1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.05	ND<0.1
	9/26/2002	ND<1	ND<0.1	ND<100	**0.2**	--	--	ND<1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.05	ND<0.1
	5/9/2002DUP	ND<1	ND<0.1	ND<100	**0.17**	--	--	ND<1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.05	ND<0.1
	9/26/2002DUP	ND<1	ND<0.1	ND<100	**0.11**	--	--	ND<1	ND<0.1	ND<0.1	--	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	--	ND<0.05	ND<0.1
MW-603	12/1/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	**0.053**	ND<0.0003	**0.056**	--	--	--	**0.00045**	--
	12/16/1996	**0.006**	ND<0.005	--	ND<0.005	--	--	ND<0.005	ND<0.005	ND<0.005	--	**0.037**	ND<0.005	**0.056**	ND<0.005	ND<0.005	--	ND<0.01	--
	1/22/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.059**	ND<0.005	**0.089**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/19/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.013**	ND<0.005	**0.031**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.025**	ND<0.005	**0.042**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	ND<0.01	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.037**	ND<0.001	**0.062**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/11/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.011	ND<0.011	ND<0.001	ND<0.001	ND<0.001	--	**0.056**	ND<0.001	**0.074**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	7/31/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	ND<0.01	**0.095**	ND<0.001	**0.11**	ND<0.001	ND<0.001	--	**0.00071**	ND<0.001
	2/7/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.089**	**0.0028**	**0.14**	ND<0.001	ND<0.001	--	**0.00096**	ND<0.001
	7/24/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.11**	**0.0083**	**0.21**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/7/2002	ND<0.002	ND<0.002	ND<2	ND<0.002	--	--	ND<0.02	ND<0.002	ND<0.002	--	**0.17**	**0.0034**	**0.16**	ND<0.002	ND<0.002	--	ND<0.001	ND<0.002
	9/24/2002	ND<0.002	ND<0.002	ND<2	ND<0.002	--	--	ND<0.02	ND<0.002	ND<0.002	--	**0.21**	**0.0053**	**0.21**	ND<0.002	ND<0.002	--	**0.0016**	ND<0.002
	7/1/2004	ND<0.005	ND<0.005	ND<0.005	**0.002J**	--	--	**0.002J**	--	ND<0.005	--	**0.12**	**0.003J**	**0.087**	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
MW-604	12/20/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/30/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	--	--	--	ND<0 0003	--
	12/17/1996	ND<0.002	ND<0.002	--	**0.0036**	--	--	ND<0.002	ND<0.002	**0.0022**	--	<0.0020	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0.004	--
	1/22/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	--
	8/19/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/27/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	ND<0.001	--	**0.0013**	--	--	ND<0.01	ND<0.001	**0.0026**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/11/2000	ND<0.01	ND<0.001	--	**0.0082**	--	--	ND<0.01	ND<0.001	**0.0043**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	8/3/2000	ND<0.01	ND<0.001	ND<0.001	**0.0011**	ND<0.01	ND<0.01	ND<0.01	ND<0.001	**0.0056**	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.001
	2/7/2001	ND<0.05	ND<0.005	ND<0.005	**0.025**	--	--	ND<0.05	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	**0.0068**	ND<0.005
	7/24/2001	ND<0.001	**0.0021**	**--**	**0.034**	--	--	ND<0.01	ND<0.001	**0.0056**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/8/2002	ND<0.01	**0.0022**	ND<1	**0.034**	--	--	ND<0.01	ND<0.001	**0.0052**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0053**	ND<0.001
	9/25/2002	ND<0.01	**0.0032**	**1**	**0.034**	--	--	ND<0.01	**0.0012**	**0.0067**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.0013**	--	**0.0041**	ND<0.001
	5/8/2002DUP	ND<0.01	**0.0022**	ND<1	**0.032**	--	--	ND<0.01	ND<0.001	**0.0052**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.0053**	ND<0.001
	9/25/2002DUP	ND<0.01	**0.0028**	**1.1**	**0.033**	--	--	ND<0.01	**0.0012**	**0.0068**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.0013**	--	**0.0048**	ND<0.001
MW-605	12/20/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	**0.013**	ND<0.0003	**0.018**	--	--	--	ND<0 0003	--
	12/16/1996	ND<0.001	ND<0.001	--	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	**0.011**	ND<0.001	**2**	ND<0.001	ND<0.001	--	ND<0.002	--
	1/22/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	**0.014**	ND<0.005	**0.032**	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/19/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/28/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.0016**	**0.0032**	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	1/11/2000	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.007**	ND<0.001	**0.036**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	8/2/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.01	ND<0.01	ND<0.01	ND<0.001	ND<0.001	ND<0.01	**0.022**	ND<0.001	**0.034**	ND<0.001	ND<0.001	--	ND<0.01	ND<0.001
	2/7/2001	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.0071**	ND<0.001	**0.025**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	7/24/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.026**	ND<0.001	**0.01**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.019**	ND<0.001	**0.022**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	**0.013**	ND<0.001	**0.033**	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	6/30/2004	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	--	ND<0.005	--	**0.005J**	ND<0.005	**0.24**	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
MW-606	12/19/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	--	--	--	ND<0 0003	--
	12/16/1996	ND<0.001	ND<0.001	--	ND<0.001	--	--	ND<0.001	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.002	--
	1/22/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	8/19/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	1/28/1999	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	1/11/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.01	ND<0.01	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	8/2/2000	ND<0.01	ND<0.001	ND<0.001	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	ND<0.01	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	2/7/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.005
	7/24/2001	ND<0.01	ND<0.001	--	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	ND<0.001	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0.0005	ND<0.001
	6/30/2004	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	--	ND<0.005	--	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005
MW-607	12/19/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/1996	ND<0 0003	--	--	--	--	--	--	--	--	--	ND<0.0003	ND<0.0003	ND<0.0003	--	--	--	**0.0011**	--
	12/17/1996	ND<0.001	**0.0033**	--	**0.027**	--	--	**0.002**	ND<0.001	**0.0036**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	**0.0017**	--	ND<0.002	--
	1/22/1998	ND<0.025	ND<0.025	--	**0.029**	--	--	ND<0.05	ND<0.025	ND<0.025	--	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	--	ND<0.05	ND<0.025
MW-607	8/19/1998	ND<0.005	ND<0.005	--	ND<0.005	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005

TABLE D2-A
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	MC	n-BB	t-BB	n-PB	1-Methyl Naphthalene	2-Methyl Naphthalene	Naphthalene	p-IsoPT	sec-BB	Phenol	PCE	*t*-1,2-DCE	TCE	1,2,4-TMB	1,3,5-TMB	TOX	VC	CB
	1/27/1999	ND<0.005	ND<0.005	--	**0.025**	--	--	ND<0.01	ND<0.005	ND<0.005	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0.01	ND<0.005
	7/19/1999	ND<0.05	**0.0055**	--	**0.02**	--	--	ND<0.05	ND<0.005	**0.0052**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	--	ND<0 0025	ND<0.005
	1/11/2000	ND<0.02	ND<0.002	--	**0.0073**	--	--	ND<0.02	ND<0.002	**0.0033**	--	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	ND<0.001	ND<0.002
	7/31/2000	ND<0.02	ND<0.002	ND<0.002	**0.0038**	ND<0 011	ND<0.011	ND<0.01	ND<0.002	**0.0041**	ND<0.01	ND<0.002	ND<0.002	ND<0.002	ND<0.002	ND<0.002	--	**0.0011**	ND<0.002
	2/7/2001	ND<0.01	ND<0.001	ND<0.001	**0.0013**	--	--	ND<0.01	ND<0.001	**0.0025**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	**0.00055**	ND<0.001
	7/24/2001	ND<0.01	ND<0.001	--	**0.0024**	--	--	ND<0.01	ND<0.001	**0.0033**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	--	ND<0 0005	ND<0.001
	5/7/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	**0.0037**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.002	--	ND<0 0005	ND<0.001
	9/24/2002	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	**0.0036**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.003	--	ND<0 0005	ND<0.001
	5/7/2002DUP	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	**0.0037**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.003	--	ND<0 0005	ND<0.001
	9/24/2002DUP	ND<0.01	ND<0.001	ND<1	ND<0.001	--	--	ND<0.01	ND<0.001	**0.0035**	--	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.003	--	ND<0 0005	ND<0.001
	6/30/2004	ND<0.005	ND<0.005	ND<0.005	**0.019**	--	--	ND<0.005	--	**0.005J**	--	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.003J**	--	**0.003J**	ND<0.005
MW-A	2/20/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.25
Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-B	2/25/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.0005
Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-I	2/19/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.05
Abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-C	3/31/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	7/11/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-D	3/31/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	7/11/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-E	3/31/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Abandoned	7/11/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES

Table recreated from Versar, Inc. *Revised Master Work Plan, CENCO Refining Company, Santa Fe Springs, California*, dated January 28, 2000.

All concentrations reported in milligram(s) per liter (mg/L)

Blank = not analyzed

ND< = Not detected above the laboratory reporting limit shown

*Sample was analyzed by both U.S. EPA Methods 8010/8020 and 8240; highest detection value of the two analyses is shown

NS = Not sampled due to well damage, free product in well, or not scheduled for sampling

(A) = U.S. EPA Method 601/8010

(B) = U.S. EPA Method 602/8020

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline (Method 8020)
TPHd = Total petroleum hydrocarbons as diesel (Method 8015)
TRPH = ASTM Method 2887 (unless otherwise indicated)
MTBE = Methyl *tert* -butyl ether
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
BDCM = Bromodichloromethane
BCM = Bromochloromethane
c-1,2-DCE = cis-1,2-Dichloroethene

CB = Chlorobenzene
1,2-DCB = 1,2-Dichlorobenzene
1,1-DCA = 1,1-Dichloroethane
1,2-DCA = 1,2-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,2-DCP = 1,2-Dichloropropane
iso-PB = iso-Propylbenzene
MC = Methylene chloride
n-BB = n-Butylbenzene
n-PB = n-Propylbenzene
p-iso-PT = p-iso-Propyltoluene

sec-BB = sec-Butylbenzene
PCE = Tetrachloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
TCE = Trichloroethene
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
TOX = Total halogenated volatile organics (ASTM Method 2885)
VC = Vinyl chloride
t-BB= Tertiary Butylbenzene

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	Acetone	Benzene	Bromodichloromethane	n-Butylbenzene	sec-Butylbenzene	tert-ButylBenzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene [1]	1,2-Dibromo-3-chloropropane	Dibromomethane	1,2-Dichlorobenzene
Operational Area 1: Bloomfield Property																	
MW-106A	8/2/2006	**310**	NA	**2.6**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	**82**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	**270**	NA	**2.6**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	**210**	NA	**1.5 J**	ND<2.0	ND<5.0	**14 J**	**0.73 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/9/2007	**270**	NA	**1.6 J**	ND<2.0	ND<5.0	**2.0 J**	**0.86 J**	ND<5.0	**0.47 J**	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2007	**240**	NA	**1.4 J**	ND<2.0	ND<5.0	**1.7 J**	**0.79 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	**220**	NA	**1.6 J**	ND<2.0	ND<5.0	**1.5 J**	**0.95 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/19/2009	**220**	NA	**0.46 J**	ND<2.0	ND<5.0	**0.75 J**	**0.82 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	**290**	NA	**1.9 J**	ND<2.0	ND<5.0	**3.4 J**	**0.96 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-107A	8/2/2006	**770**	NA	**3.7**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	**780**	NA	**24**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	**500**	NA	**80**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	**670**	NA	**42**	ND<2.0	**0.87 J**	**2.7 J**	**0.39 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	**2.5 J**	ND	ND<5.0	ND<2.0	ND<2.0
	8/9/2007	**1000**	NA	**61**	ND<2.0	**1.5 J**	**3.8 J**	**0.48 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2007	**1500**	NA	**44**	ND<2.0	**2.0 J**	**4.4 J**	**0.59 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	**2800**	NA	**19**	ND<2.0	**2.3 J**	**5.0**	**0.72 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/19/2009	**1100**	NA	**13**	ND<2.0	**2.3 J**	**9.0**	**1.1 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	DUP	**1200**	NA	**12**	ND<2.0	**2.1 J**	**9.0**	**1.2 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	**2400 ZX**	NA	**79**	ND<2.0	**2.3 J**	**6.2**	**0.77 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	DUP	**1300**	NA	**74**	ND<2.0	**2.2 J**	**6.3**	**0.81 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-203	8/2/2006	**240**	NA	**3.1**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	**260**	NA	**2.5**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	**150**	NA	**2.0**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	**170**	NA	**1.0 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**0.56 J**	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	8/9/2007	**270**	NA	**0.88 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**0.50 J**	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/7/2007	**65**	NA	**0.78 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	**87**	NA	**1.4 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/19/2009	**65**	NA	**0.53 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	**69**	NA	**0.63 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
Operational Area 2: East Tank Farm Area																	
MW-103	8/3/2006	**350**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/8/2006	**430**	NA	**4.1**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	**360**	NA	**36**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	**220**	NA	**0.51 J**	ND<2.0	ND<5.0	**1.9 J**	**0.39 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	**370**	NA	**1.3 J**	ND<2.0	**1.8 J**	**3.8 J**	**0.76 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	**880**	NA	**11**	ND<2.0	**3.1 J**	**5.1**	**0.84 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	**0.32 J**
MW-204	10/7/2005	**340**	ND<10	**5.7**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/15/2006	**111**	ND<100.0	**1.5**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	**260**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	**81**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	**360**	NA	**4.9**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	NS	NS	NS	NS	ND<2.0	NS	NS	NS	ND<5.0	NS	NS	NS	NS	ND	ND<5.0	ND<2.0	ND<2.0
	NS	NS	NS	NS	ND<2.0	NS	NS	NS	ND<5.0	NS	NS	NS	NS	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	**53**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	**37 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	**110**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
W-7	10/6/2006	ND<100	ND<10	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND	ND<5.0	ND<1.0	ND<1.0
	2/16/2006	**60.9**	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/4/2006	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	**31 J**	NA	**0.41 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/10/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	ND<50	NA	**0.35 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	ND<50	NA	**0.31 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-12	11/8/2006	**1400**	NA	**16**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	**4800**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	**220**	NA	ND<2.0	ND<2.0	ND<5.0	**0.61 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	**1100**	NA	ND<2.0	ND<2.0	ND<5.0	**0.50 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	**1500**	NA	**0.37 J**	ND<2.0	**1.4 J**	**1.5 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/8/2008	**410**	NA	**0.94 J**	ND<2.0	**2.4 J**	**1.5 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/20/2009	**620 ZX**	NA	ND<2.0	ND<2.0	**1.9 J**	**1.4 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/22/2009	**1100 ZX**	NA	ND<2.0	ND<2.0	**7.8**	**2.5 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
Operational Area 3: Processing Area																	
MW-104A	10/7/2005	ND<100	ND<10	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/15/2006	ND<50.0	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	2/7/2007	**540**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	**33 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	**46 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/22/2009	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.1	ND<5.1	ND<2.1	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-504	2/16/2006	**18000**	ND<1000.0	**675**	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND	ND<50.0	ND<50.0	ND<50.0
	8/3/2006	**10000**	NA	**1500**	ND<2.0	ND<5.0	**5.4**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	**6200**	NA	**1000**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	**6100**	NA	**1400**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/11/2007	**13000**	NA	**1500**	ND<40	ND<100	**10 J**	ND<100	ND<100	ND<40	ND<100	ND<40	ND<100	ND	ND<100	ND<40	ND<40
	8/10/2007	**7100**	NA	**1200**	ND<20	ND<50	**6.9 J**	ND<50	ND<50	ND<20	ND<50	ND<20	ND<50	ND	ND<50	ND<20	ND<20
	11/8/2007	**4700**	NA	**960**	ND<20	ND<50	**5.6 J**	ND<50	ND<50	ND<20	ND<50	ND<20	ND<50	ND	ND<50	ND<20	ND<20
	2/8/2008	**6200**	NA	**760**	ND<20	ND<50	**7.2 J**	ND<50	ND<50	ND<20	ND<50	ND<20	ND<50	ND	ND<50	ND<20	ND<20
W-9	11/7/2006	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/6/2007	**67**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	**50**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	**38 J**	NA	ND<2.0	ND<2.0	ND<5.0	**0.29 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/15/2009	**46 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	**36 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	Acetone	Benzene	Bromodichloromethane	n-Butylbenzene	sec-Butylbenzene	tert-ButylBenzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene [1]	1,2-Dibromo-3-chloropropane	Dibromomethane	1,2-Dichlorobenzene
W-10	11/8/2006	26000	NA	ND<40	ND<40	ND<100	ND<100	ND<100	ND<100	ND<40	ND<100	ND<40	ND<100	ND	ND<100	ND<40	ND<40
	2/9/2007	28000	NA	6400	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
	DUP	26000	NA	5100	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
	5/11/2007	7900	NA	430	ND<4.0	8.4 J	5.4 J	0.68 J	ND<10	ND<4.0	2.0 J	ND<4.0	ND<10	ND	ND<10	ND<4.0	ND<4.0
	DUP	7800	NA	500	ND<10	ND<25	5.8 J	ND<25	ND<25	ND<10	ND<25	ND<10	ND<25	ND	ND<25	ND<10	ND<10
	8/9/2007	5400	NA	590	ND<10	5.7 J	4.8 J	ND<25	ND<25	ND<10	ND<25	ND<10	ND<25	ND	ND<25	ND<10	ND<10
	DUP	5700	NA	570	ND<10	5.6 J	4.7 J	ND<25	ND<25	ND<10	ND<25	ND<10	ND<25	ND	ND<25	ND<10	ND<10
	11/9/2007	11000	NA	4700	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
	DUP	12000	NA	5600	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
	2/8/2008	28000	NA	7200	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
	DUP	25000	NA	7600	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
	1/21/2009	20000	NA	8100	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND<500	ND<500	ND<200	ND<200
	DUP	20000	NA	7600	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND<500	ND<500	ND<200	ND<200
	4/27/2009	15000	NA	5100	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND<500	ND<500	ND<200	ND<200
	DUP	16000	NA	7400	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND<500	ND<500	ND<200	ND<200
W-17A	2/14/2008	100	NA	ND<2.0	ND<2.0	ND<5.0	0.27 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	78	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/22/2009	180 ZX	NA	4.5	ND<2.0	0.41 J	1.5 J	ND<5.0	ND<5.0	ND<2.0	ND<5	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-17B	2/14/2008	39 J	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	38 J	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/22/2009	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-17C	2/14/2008	36 J	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	29 J	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
Operational Area 4: West Tank Farm Area																	
MW-101	8/3/2006	2700	NA	89	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	1900	NA	100	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/12/2007	2100	NA	240	ND<8.0	ND<20	ND<20	ND<20	ND<20	ND<8.0	ND<20	ND<8.0	ND<20	ND	ND<20	ND<8.0	ND<8.0
	5/11/2007	1100	NA	29	ND<2.0	ND<5.0	1.2 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	2600	NA	31	ND<2.0	ND<5.0	1.0 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/8/2007	830	NA	62	ND<2.0	ND<5.0	1.2 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
MW-105	10/6/2005	300	ND<10	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	DUP	320	ND<10	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/15/2006	205	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	DUP	204	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	320	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	330	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/8/2006	230	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	230	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	160	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	160	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	150	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	190	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	250	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	250	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	160	NA	0.42 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	180	NA	0.35 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	170	NA	1.2 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	190	NA	1.1 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/15/2009	160	NA	0.85 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	DUP	180	NA	0.71 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/22/2009	100	NA	0.50 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	DUP	120 ZX	NA	0.66 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-201	10/7/2005	3400	93	740	ND<5.0	15	16	ND<5.0	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	ND	ND<25	ND<5.0	ND<5.0
	2/15/2006	1890	ND<100.0	128	ND<5.0	ND<5.0	1.1 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/2/2006	1000	NA	73	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	1100	NA	58	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	1100	NA	94	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	830	NA	47	ND<2.0	ND<5.0	0.69 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	1300	NA	44	ND<2.0	ND<5.0	1.2 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	1500	NA	110	ND<2.0	1.6 J	2.2 J	0.30 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2008	670	NA	39	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/20/2009	1400 ZX	NA	97	ND<2.0	1.6 J	1.6 J	0.23 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/28/2009	510	NA	70	ND<2.0	ND<5.0	1.5 J	0.38 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-205	10/6/2005	850	17	55	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/15/2006	411	ND<100.0	35	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/2/2006	560	NA	40	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/8/2006	360	NA	7.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	150	NA	24	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	190	NA	7.4	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	290	NA	6.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	330	NA	12	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	260	NA	4.9	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/19/2009	380 QP1	NA	150	ND<4.0	ND<10	0.60 J	ND<10	ND<10	ND<4.0	ND<10	ND<4.0	ND<10	ND<10	ND<10	ND<4.0	ND<4.0
	4/22/2009	320 QPI, ZX	NA	96	ND<2.0	ND<5.0	0.27 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-8	10/6/2005	220	ND<10	0.52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/16/2006	192	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/4/2006	130	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	210	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	130	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	110	NA	0.49 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	170	NA	0.49 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	160	NA	0.52 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	160	NA	0.46 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	120	NA	0.55 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	150	NA	0.45 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-11	11/9/2006	5200	NA	99	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	12000	NA	96	ND<2.0	6.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	8000	NA	95	ND<4.0	ND<10	ND<10	ND<10	ND<10	ND<4.0	ND<10	ND<4.0	ND<10	ND	ND<10	ND<4.0	ND<4.0
	5/9/2007	540	NA	45	ND<2.0	ND<5.0	0.52 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	1100	NA	700	ND<2.0	ND<5.0	1.5 J	0.28 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/8/2007	460	NA	61	ND<2.0	ND<5.0	1.2 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	Acetone	Benzene	Bromodichloromethane	n-Butylbenzene	sec-Butylbenzene	tert-ButylBenzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene [1]	1,2-Dibromo-3-chloropropane	Dibromomethane	1,2-Dichlorobenzene
Operational Area 5: Lakeland Property																	
MW-501A	8/3/2006	24000	NA	6300	ND<2.0	32	24	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	13000	NA	3300	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/12/2007	13000	NA	3800	ND<40	ND<100	ND<100	ND<100	ND<100	ND<40	ND<100	ND<40	ND<100	ND	ND<100	ND<40	ND<40
	5/11/2007	9100	NA	2000	ND<100	22 J	16 J	ND<250	ND<250	ND<100	ND<250	ND<100	ND<250	ND	ND<250	ND<100	ND<100
	8/10/2007	7100	NA	1100	ND<20	35 J	23 J	ND<50	ND<50	ND<20	ND<50	ND<20	ND<50	ND	ND<50	ND<20	ND<20
	11/8/2007	7700	NA	1400	ND<40	27 J	20 J	ND<100	ND<100	ND<40	ND<100	ND<40	ND<100	ND	ND<100	ND<40	ND<40
MW-502	10/5/2005	15000	ND<1000	900	ND<100	ND<100	ND<100	ND<100	ND<50	ND<100	ND<100	ND<100	ND<1000	ND	ND<500	ND<100	ND<100
	2/14/2006	47600	ND<1000.0	1280	ND<50.0	32 J	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND	ND<50.0	ND<50.0	ND<50.0
	8/4/2006	20000	NA	2500	ND<2.0	11	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	35000	NA	1800	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	15000	NA	2200	ND<400	ND<1000	ND<1000	ND<1000	ND<1000	ND<400	ND<1000	ND<400	ND<1000	ND	ND<1000	ND<400	ND<400
	5/11/2007	25000	NA	4000	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
	8/10/2007	30000	NA	3300	ND<100	20 J	ND<250	ND<250	ND<250	ND<100	ND<250	ND<100	ND<250	ND	ND<250	ND<100	ND<100
	11/8/2007	19000	NA	2100	ND<400	ND<1000	ND<1000	ND<1000	ND<1000	ND<400	ND<1000	ND<400	ND<1000	ND	ND<1000	ND<400	ND<400
	2/11/2008	26000	NA	3900	ND<200	ND<500	ND<500	ND<500	ND<500	ND<200	ND<500	ND<200	ND<500	ND	ND<500	ND<200	ND<200
MW-503B	10/5/2005	5400	ND<200	1100	ND<20	ND<20	ND<20	ND<20	ND<10	ND<20	ND<20	ND<20	ND<200	ND	ND<100	ND<20	ND<20
	2/14/2006	5450	ND<1000.0	331	ND<50.0	ND<50.0	18 J	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND	ND<50.0	ND<50.0	ND<50.0
	8/4/2006	4700	NA	31	ND<2.0	ND<5.0	18	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	3500	NA	26	ND<2.0	21	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	1600	NA	59	ND<2.0	ND<5.0	17	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/11/2007	1800	NA	60	ND<2.0	ND<5.0	18	2.2 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/10/2007	1800	NA	80	ND<2.0	ND<5.0	23	2.9 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/8/2007	2400	NA	270	ND<8.0	4.8 J	22	2.5 J	ND<20	ND<8.0	ND<20	ND<8.0	ND<20	ND	ND<20	ND<8.0	ND<8.0
	2/11/2008	2700	NA	220	ND<8.0	4.6 J	21	2.2 J	ND<20	ND<8.0	ND<20	ND<8.0	ND<20	ND	ND<20	ND<8.0	ND<8.0
	1/21/2009	6200	NA	410	ND<10	16 J	23 J	2.4 J	ND<25	ND<10	ND<25	ND<10	ND<25	ND<25	ND<25	ND<10	ND<10
	4/27/2009	4000 Z9	NA	210	ND<2.0	12	19	1.9 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
Operational Area 6: Former AST Area at Walker Property																	
W-3A	2/16/2006	306	ND<100.0	ND<1.0	ND<5.0	ND<5.0	23	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/3/2006	39000	NA	23	ND<2.0	13	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	8100	NA	ND<2.0	ND<2.0	23	15	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	1400	NA	ND<2.0	ND<2.0	11	6.7	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	14000	NA	0.66 J	ND<2.0	8.6	6.1	1.4 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/9/2007	1900	NA	0.79 J	ND<2.0	6.0	5.8	1.1 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2007	1500	NA	0.62 J	ND<2.0	ND<5.0	5.2	0.90 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2008	180	NA	ND<2.0	ND<2.0	5.4	6.2	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
Offsite Wells: Walker Property																	
W-1	10/6/2005	310	20	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	1.2	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/15/2006	266	ND<100.0	32	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/3/2006	1100	NA	86	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	5.6	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	470	NA	100	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	590	NA	77	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	890	NA	110	ND<2.0	1.4 J	3.4 J	0.58 J	ND<5.0	ND<2.0	1.9 J	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/9/2007	1100	NA	140	ND<2.0	3.0 J	5.4	0.77 J	ND<5.0	ND<2.0	5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2007	1200	NA	140	0.30 J	3.8 J	5.8	0.99 J	ND<5.0	ND<2.0	6.1	ND<2.0	1.7 J	ND	5.0	0.37 J	ND<2.0
	2/7/2008	1000	NA	96	ND<2.0	ND<5.0	5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/20/2009	230	NA	15	ND<2.0	ND<5.0	0.74 J	0.52 J	ND<5.0	ND<2.0	0.37 J	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	DUP	220	NA	19	ND<2.0	ND<5.0	1.1 J	0.76 J	ND<5.0	ND<2.0	0.49 J	0.54 J	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/24/2009	180	NA	3.9	ND<2.0	ND<5.0	0.48 J	0.71 J	ND<5.0	ND<2.0	0.44 J	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-4	10/6/2005	350	ND<10	31	ND<1.0	ND<1.0	1.1	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/15/2006	501	ND<100.0	43	ND<5.0	ND<5.0	2.0 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/3/2006	2800	NA	3.5	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	230	NA	6.1	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	200	NA	3.1	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	170	NA	1.5 J	ND<2.0	0.43 J	1.3 J	0.49 J	ND<5.0	ND<2.0	0.56 J	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/9/2007	280	NA	1.0 J	ND<2.0	0.96 J	2.9 J	0.68 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2007	180	NA	1.9 J	ND<2.0	ND<5.0	2.1 J	0.59 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2008	210	NA	4.4	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	250	NA	3.9	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/19/2009	140	NA	0.51 J	ND<2.0	ND<5.0	1.4 J	0.37 J	ND<5.0	ND<2.0	ND<5.0	ND<2.0	0.50 J	4.3 J	ND<5.0	ND<2.0	ND<2.0
	4/27/2009	92 ZX	NA	ND<2.0	ND<2.0	ND<5.0	0.55 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
EW-1	11/10/2006	4800	NA	65	ND<2.0	18	34	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	4100	NA	41	ND<2.0	14	27	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	3300	NA	19	ND<4.0	12	25	3.9 J	ND<10	ND<4.0	ND<10	ND<4.0	ND<10	ND	ND<10	ND<4.0	ND<4.0
	8/10/2007	3200	NA	36	ND<2.0	31	46	6.2	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS
	2/8/2008	4100	NA	73	ND<4.0	18	34	4.7 J	ND<10	ND<4.0	ND<10	ND<4.0	ND<10	ND	ND<10	ND<4.0	ND<4.0
W-16A	11/9/2007	260	NA	41	ND<2.0	ND<5.0	1.7 J	0.77 J	ND<5.0	ND<2.0	1.4 J	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/6/2008	310	NA	40	ND<2.0	ND<5.0	2.2 J	0.82 J	ND<5.0	0.60 J	2.0 J	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	0.36 J
	1/21/2009	290	NA	30	ND<2.0	ND<5.0	2.8 J	0.70 J	ND<5.0	0.45 J	0.90 J	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/27/2009	410 ZX	NA	34	ND<2.0	ND<5.0	2.8 J	0.84 J	ND<5.0	0.57 J	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-16B	11/9/2007	37 J	NA	7.4	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/6/2008	400	NA	48	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/21/2009	73	NA	16	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/27/2009	47 J	NA	0.90 J	ND<20	ND<50	ND<50	ND<50	ND<50	ND<20	ND<50	ND<20	ND<50	ND<50	ND<50	ND<20	ND<20
W-16C	11/9/2007	170	NA	18	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4.6	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	0.81 J
	2/6/2008	360	NA	30	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1.2	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	1.8 J
	1/21/2009	510	NA	40	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	16	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	2.1
	4/28/2009	170	NA	20	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	7.1	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	1.2 J

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	TPHg	Acetone	Benzene	Bromodichloromethane	n-Butylbenzene	sec-Butylbenzene	tert-ButylBenzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene [1]	1,2-Dibromo-3-chloropropane	Dibromomethane	1,2-Dichlorobenzene
Offsite Wells: Metropolitan State Hospital																	
MW-603	10/6/2005	**150**	ND<10	**0.82**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/14/2006	**245**	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	**190**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2006	**150**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/6/2007	**120**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS
	8/7/2007	**110**	NA	**0.28 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**0.52 J**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	**120**	NA	**0.31 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	**120**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**0.33 J**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	**75**	NA	**0.39 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	**59**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-604	11/7/2006	**330**	NA	**72**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	**540**	NA	**9.8**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	**480**	NA	**4.4**	ND<2.0	**1.2 J**	**2.7 J**	**0.86 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	**290**	NA	**1.3 J**	ND<2.0	**0.69 J**	**1.7 J**	**0.68 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	**500**	NA	**1.2 J**	ND<2.0	**1.2 J**	**2.7 J**	**0.83 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	**1.8 J**	ND	ND<5.0	ND<2.0	ND<2.0
MW-605	10/5/2005	ND<100	ND<10	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	DUP	ND<100	ND<10	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/14/2006	**53**	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	DUP	ND<50.0	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2006	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/6/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	**35 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	**38 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	**30 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	**30 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	DUP	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
MW-606	10/5/2005	**240**	**15**	**5.6**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	**2.1**	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/14/2006	ND<50.0	ND<100.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**2.4 J**	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**2.4**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2006	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**2.6**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/6/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**2.6**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**2.2**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**2.8**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**1.6 J**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**1.1 J**	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**2.0**	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**1.0 J**	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-607	10/5/2005	**760**	**16**	**1.2**	ND<1.0	ND<1.0	**2.7**	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	ND	ND<5.0	ND<1.0	ND<1.0
	2/14/2006	**373**	ND<100.0	ND<1.0	ND<5.0	ND<5.0	**2.6 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	**350**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/7/2006	**210**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/6/2007	**590**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	**330**	NA	ND<2.0	ND<2.0	ND<5.0	**1.4 J**	**0.35 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	**320**	NA	**0.50 J**	ND<2.0	**0.49 J**	**3.4 J**	**0.68 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	**440**	NA	**0.50 J**	ND<2.0	ND<5.0	**3.6 J**	**0.71 J**	**0.53 J**	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	**790**	NA	ND<2.0	ND<2.0	**0.61 J**	**6.3**	**0.93 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
W-14A	2/12/2008	**42 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	**27 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**0.50 J**	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	**54**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-14B	2/12/2008	ND<50	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	**170**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	**65**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-14C	2/12/2008	**260**	NA	**1.2 J**	ND<2.0	ND<5.0	**0.39 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	ND<2.0	ND<2.0
	1/14/2009	**120**	NA	**2.5**	ND<2.0	ND<5.0	**1.0 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	**67**	NA	**1.5 J**	ND<2.0	ND<5.0	**0.49 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-15A	2/11/2008	**2700**	NA	**620**	ND<20	**0.86 J**	**10 J**	ND<50	ND<50	ND<20	ND<50	ND<20	ND<50	ND	ND<50	ND<20	ND<20
	1/14/2009	**230**	NA	**7.4**	ND<2.0	**0.94 J**	**1.2 J**	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/24/2009	**530**	NA	**8.4**	ND<4.0	**1.2 J**	**1.3 J**	ND<10	ND<10	ND<4.0	ND<10	ND<4.0	ND<10	ND<10	ND<10	ND<4.0	ND<4.0
W-15B	2/11/2008	**1600**	NA	**900**	ND<20	ND<50	**5.0 J**	ND<50	ND<50	ND<20	ND<50	ND<20	ND<50	ND	ND<50	ND<20	ND<20
	1/14/2009	**340**	NA	**160**	ND<2.0	**1.7 J**	**2.8 J**	**0.34 J**	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/24/2009	**63**	Na	**6.2**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-15C	2/11/2008	ND<50	NA	**0.94 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND	ND<5.0	**0.50 J**	ND<2.0
	1/15/2009	**29 J**	NA	**1.1 J**	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/24/2009	**43 J**	NA	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	2,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Naphthalene	n-Propylbenzene	Tetrachloroethene
Operational Area 1: Bloomfield Property																	
MW-106A	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	13	21	ND<2.0	ND<2.0	ND<2.0	7.5	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	14	17	ND<2.0	ND<2.0	ND<2.0	3.1	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	15	20	ND<2.0	ND<2.0	ND<2.0	9.6	ND<2.0	ND<5.0	ND<5.0	5.9	ND<2.0
	5/10/2007	ND<2.0	ND<2.0	0.60 J	ND<2.0	ND<5.0	9.9	12	ND<2.0	ND<2.0	0.28 J	6.5	0.44 J	ND<5.0	ND<5.0	1.7 J	ND<2.0
	8/9/2007	ND<2.0	ND<2.0	0.83 J	ND<2.0	0.46 J	12	14	ND<2.0	ND<2.0	0.60 J	10	ND<2.0	ND<5.0	0.69 J	5.1	ND<2.0
	11/7/2007	ND<2.0	ND<2.0	0.70 J	ND<2.0	ND<5.0	11	9.5	ND<2.0	ND<2.0	0.84 J	10	ND<2.0	ND<5.0	1.6 J	7.5	ND<2.0
	2/5/2008	ND<2.0	ND<2.0	0.73 J	ND<2.0	0.44 J	10	7.8	ND<2.0	ND<2.0	0.42 J	10	ND<2.0	ND<5.0	1.8 J	7.3	ND<2.0
	1/19/2009	ND<2.0	ND<2.0	0.99 J	ND<2.0	ND<5.0	13	11	ND<2.0	ND<2.0	ND<2.0	2.9	ND<2.0	ND<5.0	ND<5.0	1.0 J	ND<2.0
	4/23/2009	ND<2.0	ND<2.0	0.82 J	ND<2.0	ND<5.0	5.5	6.3	ND<2.0	ND<2.0	3.7	18	ND<2.0	1.8 J	0.93 J	11	ND<2.0
MW-107A	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	3.9	21	ND<2.0	ND<2.0	ND<2.0	20	ND<2.0	ND<5.0	ND<5.0	16	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	6.2	5.3	ND<2.0	ND<2.0	4.7	22	ND<2.0	ND<5.0	ND<5.0	18	ND<2.0
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	9.6	7.4	ND<2.0	ND<2.0	21	17	ND<2.0	ND<5.0	7.4	17	ND<2.0
	5/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	6.6	6.0	ND<2.0	ND<2.0	14	20	ND<2.0	ND<5.0	6.0	15	ND<2.0
	8/9/2007	ND<2.0	ND<2.0	0.31 J	ND<2.0	ND<5.0	8.8	9.5	ND<2.0	ND<2.0	15	30	0.64 J	ND<5.0	8.5	27	ND<2.0
	11/7/2007	ND<2.0	ND<2.0	0.30 J	ND<2.0	ND<5.0	6.4	9.4	ND<2.0	ND<2.0	16	39	0.76 J	ND<5.0	11	37	ND<2.0
	2/5/2008	ND<2.0	ND<2.0	0.29 J	ND<2.0	ND<5.0	5.6	9.2	ND<2.0	ND<2.0	3.0	39	0.72 J	ND<5.0	3.9 J	36	ND<2.0
	1/19/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	6.8	7.3	ND<2.0	ND<2.0	1.5 J	49	ND<2.0	ND<5.0	1.1 J	50	ND<2.0
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	7.2	7.5	ND<2.0	ND<2.0	1.6 J	48	ND<2.0	ND<5.0	1.3 J	48	ND<2.0
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	9.4	11	ND<2.0	ND<2.0	13	42	0.71 J	1.6 J	7.5	43	ND<2.0
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	8.5	10	ND<2.0	ND<2.0	13	44	0.74 J	1.4 J	6.6	43	ND<2.0
MW-203	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	18	4.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	20	4.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	21	3.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/10/2007	ND<2.0	ND<2.0	0.75 J	ND<2.0	ND<5.0	14	2.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	8/9/2007	ND<2.0	ND<2.0	0.77 J	ND<2.0	ND<5.0	16	2.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/7/2007	ND<2.0	ND<2.0	0.76 J	ND<2.0	ND<5.0	18	2.5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	ND<2.0	ND<2.0	0.77 J	ND<2.0	ND<5.0	19	2.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/19/2009	ND<2.0	ND<2.0	0.92 J	ND<2.0	ND<5.0	20	3.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	ND<2.0	ND<2.0	0.58 J	ND<2.0	ND<5.0	12	1.8 j	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
Operational Area 2: East Tank Farm Area																	
MW-103	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/8/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	3.1	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	0.32 J	ND<5.0	0.93 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.6	1.5 J	ND<5.0	2.4	ND<2.0
	8/8/2007	ND<2.0	ND<2.0	ND<2.0	0.53 J	ND<5.0	1.4 J	ND<2.0	ND<2.0	ND<2.0	0.51 J	6.8	ND<2.0	ND<5.0	ND<5.0	7.3	ND<2.0
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	0.44 J	ND<5.0	2.0 J	ND<2.0	ND<2.0	ND<2.0	1.2 J	11	ND<2.0	ND<5.0	ND<5.0	14	ND<2.0
MW-204	10/7/2005	ND<1.0	ND<1.0	ND<1.0	1.6	ND<1.0	3.4	ND<1.0	ND<1.0	ND<1.0	4.2	1.1	ND<1.0	ND<10	ND<10	1.1	ND<1.0
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.6 J	ND<5.0	ND<5.0	ND<5.0	2.5 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	3.9	ND<2.0	ND<2.0	ND<2.0	9.5	ND<2.0	ND<2.0	ND<5.0	ND<5.0	2.0	ND<2.0
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	5.5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	2.8	ND<2.0	ND<2.0	ND<2.0	11	ND<2.0	ND<2.0	ND<5.0	5.6	2.1	ND<2.0
	NS	ND<2.0	NS	NS	NS	NS	NS	NS	NS	ND<2.0	NS	NS	NS	NS	NS	NS	NS
	NS	ND<2.0	NS	NS	NS	NS	NS	NS	NS	ND<2.0	NS	NS	NS	NS	NS	NS	NS
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	0.40 J	ND<5.0	2.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	0.37 J	ND<5.0	1.6 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	0.42 J	ND<2.0	ND<2.0
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	5.9	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.4 J	0.51 J	ND<2.0	ND<2.0
W-7	10/6/2006	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	ND<1.0
	2/16/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	8/4/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	ND<2.0	ND<2.0	0.41 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.87 J	ND<2.0	ND<2.0	ND<5.0	0.90 J	ND<2.0	ND<2.0
	8/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.25 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	ND<2.0	ND<2.0	1.5 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.28 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	ND<2.0	ND<2.0	1.7 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-12	11/8/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	5.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	7.0	ND<2.0
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	6.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	0.37 J	ND<5.0	4.3	0.31 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	1.7 J	ND<2.0	ND<2.0
	8/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	3.1	ND<2.0	ND<2.0	ND<2.0	0.56 J	0.51 J	ND<2.0	ND<5.0	ND<5.0	0.38 J	ND<2.0
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	0.42 J	ND<5.0	2.6	ND<2.0	ND<2.0	ND<2.0	0.97 J	2.2	ND<2.0	ND<5.0	0.66 J	2.4	ND<2.0
	2/8/2008	ND<2.0	ND<2.0	ND<2.0	0.45 J	ND<5.0	1.8 J	ND<2.0	ND<2.0	ND<2.0	3.0	2.4	ND<2.0	ND<5.0	2.5 J	4.3	ND<2.0
	1/20/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	5.4	0.48 J	ND<2.0	ND<2.0	0.69 J	1.0 J	0.94 J	ND<5.0	ND<5.0	1.2 J	ND<2.0
	4/22/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	3.7	ND<2.0	ND<2.0	ND<2.0	2.1	2.2	ND<2.0	ND<5.0	8.2	5.5	ND<2.0
Operational Area 3: Processing Area																	
MW-104A	10/7/2005	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	3.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	ND<1.0
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.0 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	1.8 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	2.9	0.51 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/5/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	4.0	0.71 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.44 J	5.2	0.91 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.47 J	4.6	0.57 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/22/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	4.5	0.62 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-504	2/16/2006	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	262	38 J	16 J	ND<50.0	82	30 J	ND<50.0
	8/3/2006	ND<2.0	ND<2.0	ND<2.0	3.9	ND<5.0	2.0	ND<2.0	ND<2.0	ND<2.0	150	38	11	ND<5.0	54	28	ND<2.0
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	130	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	13	18	14	ND<5.0	49	6.5	ND<2.0
	5/11/2007	ND<40	ND<40	ND<40	ND<40	ND<100	ND<40	ND<40	ND<40	ND<40	230	66	18 J	ND<100	80 J	59	ND<40
	8/10/2007	ND<20	ND<20	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	130	54	12	ND<50	54	43	ND<20
	11/8/2007	ND<20	ND<20	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	120	44	10 J	ND<50	27 J	30	ND<20
	2/8/2008	ND<20	ND<20	ND<20	3.9 J	ND<50	ND<20	ND<20	ND<20	ND<20	110	55	13 J	ND<50	84	45	ND<20
W-9	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.9 J	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	0.31 J	ND<2.0	ND<2.0	ND<2.0	0.29 J	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	3.8	0.31 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	3.4	0.30 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	0.50 J	ND<2.0	ND<2.0
	1/15/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	3.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	2.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.3 J	ND<5.0	ND<2.0	ND<2.0

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	2,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Naphthalene	n-Propylbenzene	Tetrachloroethene
W-10	11/8/2006	ND<40	ND<40	ND<40	ND<40	ND<100	ND<40	ND<40	ND<40	ND<40	570	51	ND<40	ND<100	340	70	ND<40
	2/9/2007	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	520	ND<200	ND<200	ND<500	ND<500	ND<200	ND<200
	DUP	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	410	ND<200	ND<200	ND<500	ND<500	ND<200	ND<200
	5/11/2007	ND<4.0	ND<4.0	8.2	1.2 J	ND<10	6.0	ND<4.0	18	ND<4.0	100	19	4.6	ND<10	100	30	ND<4.0
	DUP	ND<10	ND<10	8.8 J	1.4 J	ND<25	6.6 J	ND<10	20	ND<10	110	21	5.0 J	ND<25	150	33	ND<10
	8/9/2007	ND<10	ND<10	8.0 J	ND<10	ND<25	6.4 J	ND<10	25	ND<10	82	16	2.8 J	ND<25	59	22	ND<10
	DUP	ND<10	ND<10	8.4 J	ND<10	ND<25	7.0 J	ND<10	24	ND<10	79	16	2.8 J	ND<25	57	22	ND<10
	11/9/2007	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	330	31 J	ND<200	ND<500	210 J	40 J	ND<200
	DUP	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	380	40 J	ND<200	ND<500	240 J	49 J	ND<200
	2/8/2008	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	300	ND<200	ND<200	ND<500	140 J	32 J	ND<200
	DUP	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	330	ND<200	ND<200	ND<500	170 J	37 J	ND<200
	1/21/2009	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	440	36 J	ND<200	ND<500	230 J	51 J	ND<200
	DUP	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	410	35 J	ND<200	ND<500	230 J	49 J	ND<200
	4/27/2009	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	350	34 J	ND<200	ND<500	220 J	50 J	ND<200
	DUP	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	490	35 J	ND<200	ND<500	270 J	61 J	ND<200
W-17A	2/14/2008	ND<2.0	ND<2.0	0.47 J	1.4 J	0.6 J	6.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.46 J	1.4 J	0.39 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	0.41 J	0.27 J	ND<2.0
	4/22/2009	ND<2.0	ND<2.0	0.51 J	0.65 J	2.3 J	7.7	1.9 J	ND<2.0	ND<2.0	ND<2.0	5.9	ND<2.0	ND<5.0	ND<5.0	5.8	ND<2.0
W-17B	2/14/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	1.4 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/22/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	0.71 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-17C	2/14/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/16/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	1.2 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.1 J	ND<5.0	ND<2.0	ND<2.0
Operational Area 4: West Tank Farm Area																	
MW-101	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	8.4	26	2.4	ND<2.0	ND<2.0	3.6	2.7	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	6.5	33	2.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/12/2007	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<20	47	ND<8.0	ND<8.0	ND<8.0	ND<8.0	4.8	ND<8.0	ND<20	ND<20	ND<8.0	ND<8.0
	5/11/2007	ND<2.0	ND<2.0	1.5 J	0.39 J	9.2	26	2.6	ND<2.0	ND<2.0	1.0 J	1.4 J	ND<2.0	ND<5.0	0.76 J	0.46 J	0.37 J
	8/8/2007	ND<2.0	ND<2.0	1.0 J	0.46 J	7.1	21	ND<2.0	ND<2.0	ND<2.0	0.95 J	1.3 J	ND<2.0	ND<5.0	ND<5.0	0.35 J	0.43 J
	11/8/2007	ND<2.0	ND<2.0	1.2 J	ND<2.0	5.7	31	ND<2.0	ND<2.0	ND<2.0	1.7 J	2.0 J	ND<2.0	ND<5.0	ND<5.0	0.60 J	ND<2.0
MW-105	10/6/2005	ND<1.0	ND<1.0	5.8	0.58	10	10	3.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	6.5
	DUP	ND<1.0	ND<1.0	5.7	0.55	9.6	10	3.9	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	4.5
	2/15/2006	ND<5.0	ND<5.0	5.7	ND<5.0	7.3	8.8	3.2 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4.4 J
	DUP	ND<5.0	ND<5.0	5.2	ND<5.0	7.4	8.8	3.0 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4.0 J
	8/1/2006	ND<2.0	ND<2.0	3.9	ND<2.0	8.9	9.5	3.9	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	6.0
	DUP	ND<2.0	ND<2.0	3.9	ND<2.0	8.5	10	3.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	5.4
	11/8/2006	ND<2.0	ND<2.0	3.8	ND<2.0	13	8.9	4.1	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	17
	DUP	ND<2.0	ND<2.0	3.8	ND<2.0	12	8.9	4.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	16
	2/7/2007	ND<2.0	ND<2.0	4.2	ND<2.0	12	12	4.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	19
	DUP	ND<2.0	ND<2.0	3.7	ND<2.0	10	12	4.3	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	15
	5/9/2007	ND<2.0	ND<2.0	2.6	0.31 J	5.9	7.5	2.7	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.7 J	ND<5.0	ND<2.0	12
	DUP	ND<2.0	ND<2.0	2.6	0.34 J	6.0	7.5	2.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.8 J	ND<5.0	ND<2.0	12
	8/7/2007	ND<2.0	0.43 J	3.7	0.60 J	11	11	5.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	23
	DUP	ND<2.0	ND<2.0	3.8	0.53 J	11	12	5.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	21
	11/5/2007	ND<2.0	ND<2.0	3.1	0.62 J	14	9.7	5.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	0.56 J	ND<2.0	23
	DUP	ND<2.0	ND<2.0	3.3	0.53 J	12	9.6	5.5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	19
	2/5/2008	ND<2.0	ND<2.0	2.6	1.1 J	14	11	6.9	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	25
	DUP	ND<2.0	ND<2.0	2.6	1.1 J	14	10	6.5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	24
	1/15/2009	ND<2.0	ND<2.0	2.6	1.0 J	15	10	3.2	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	41
	DUP	ND<2.0	ND<2.0	2.5	0.86 J	13	9.0	2.9	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	35
	4/22/2009	ND<2.0	ND<2.0	1.7 J	1.0 J	7.0	7.3	2.1	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	16
	DUP	ND<2.0	ND<2.0	2.4	1.2 J	9.9	9.5	3.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	22
MW-201	10/7/2005	ND<5.0	ND<5.0	ND<5.0	34	ND<5.0	49	ND<5.0	ND<5.0	ND<5.0	470	85	21	ND<50	120	86	ND<5.0
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	8.1	ND<5.0	ND<5.0	ND<5.0	15	5.3	ND<5.0	ND<5.0	ND<5.0	3.3 J	ND<5.0
	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	13	ND<2.0	ND<2.0	ND<2.0	8.2	4.3	ND<2.0	ND<5.0	ND<5.0	3.0	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	5.1	ND<2.0	ND<5.0	25	ND<2.0	ND<2.0	ND<2.0	49	13	3.3	ND<5.0	22	16	ND<2.0
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	25	ND<2.0	ND<2.0	ND<2.0	8.6	3.0	ND<2.0	ND<5.0	ND<5.0	2.3	ND<2.0
	5/9/2007	ND<2.0	ND<2.0	0.40 J	0.83 J	3.1 J	38	ND<2.0	ND<2.0	ND<2.0	4.0	2.7	0.34 J	1.7 J	ND<5.0	1.3 J	ND<2.0
	8/8/2007	ND<2.0	ND<2.0	0.37 J	1.0 J	3.2 J	31	ND<2.0	ND<2.0	ND<2.0	5.1	5.3	0.64 J	ND<5.0	ND<5.0	2.3	ND<2.0
	11/6/2007	ND<2.0	ND<2.0	0.52 J	1.1 J	4.5 J	38	0.91 J	ND<2.0	ND<2.0	57	13	2.0	ND<5.0	25	9.9	ND<2.0
	2/7/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	33	ND<2.0	ND<2.0	ND<2.0	3.2	2.7	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/20/2009	ND<2.0	ND<2.0	ND<2.0	2.1	0.73 J	16	0.60 J	ND<2.0	ND<2.0	17	5.8	2.4	ND<5.0	ND<5.0	5.3	ND<2.0
	4/28/2009	ND<2.0	ND<2.0	ND<2.0	2.2	ND<5.0	12	ND<2.0	ND<2.0	ND<2.0	15	10	0.84 J	ND<5.0	ND<5.0	7.1	ND<2.0
MW-205	10/6/2005	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	4.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	ND<1.0
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	19	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0
	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	35	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/8/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	48	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	32	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	0.54 J	0.95 J	40	0.85 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.6 J	ND<5.0	ND<2.0	ND<2.0
	8/8/2007	ND<2.0	ND<2.0	ND<2.0	1.2 J	0.88 J	29	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	1.8 J	0.85 J	23	0.70 J	ND<2.0	ND<2.0	ND<2.0	0.32 J	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/5/2008	ND<2.0	ND<2.0	ND<2.0	2.0	ND<5.0	14	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/19/2009	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<10	3.0 J	ND<4.0	ND<4.0	ND<4.0	2.0 J	1.5 J	ND<4.0	ND<10	ND<10	0.78 J	ND<4.0
	4/22/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	0.60 J	ND<2.0	ND<2.0	ND<2.0	0.38 J	0.37 J	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-8	10/6/2005	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	ND<1.0
	2/16/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	8/4/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	5/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.33 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	8/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.44 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.40 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.39 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/13/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.39 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.37 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
W-11	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	18	ND<2.0	ND<2.0	ND<2.0	74	15	3.2	ND<5.0	ND<5.0	18	ND<2.0
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	18	ND<2.0	ND<2.0	ND<2.0	54	12	3.0	ND<5.0	ND<5.0	16	ND<2.0
	2/9/2007	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<10	15	ND<400	ND<4.0	ND<4.0	78	17	ND<4.0	ND<10	ND<10	12	ND<4.0
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	18	0.41 J	ND<2.0	ND<2.0	19	4.0	ND<2.0	2.6 J	0.68 J	3.5	ND<2.0
	8/8/2007	ND<2.0	ND<2.0	ND<2.0	0.29 J	ND<5.0	9.9	ND<2.0	ND<2.0	ND<2.0	36	13	0.43 J	ND<5.0	0.81 J	7.9	ND<2.0
	11/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	10	ND<2.0	ND<2.0	ND<2.0	14	6.1	1.1 J	ND<5.0	1.0 J	6.0	ND<2.0

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	2,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Naphthalene	n-Propylbenzene	Tetrachloroethene
Operational Area 5: Lakeland Property																	
MW-501A	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	170	120	ND<2.0	ND<5.0	32	140	ND<2.0
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	100	140	ND<2.0	ND<5.0	ND<5.0	250	ND<2.0
	2/12/2007	ND<40	ND<40	ND<40	ND<40	ND<100	ND<40	ND<40	ND<40	ND<40	130	160	ND<40	ND<100	ND<100	380	ND<40
	5/11/2007	ND<100	ND<100	ND<100	ND<100	ND<250	ND<100	ND<100	ND<100	ND<100	84 J	130 J	ND<100	ND<250	ND<250	250	ND<100
	8/10/2007	ND<20	ND<20	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	49	170	ND<20	ND<50	ND<5.0	300	ND<20
	11/8/2007	ND<40	ND<40	ND<40	ND<40	ND<100	ND<40	ND<40	ND<40	ND<40	13 J	150	ND<40	ND<100	ND<100	290	ND<40
MW-502	10/5/2005	ND<100	ND<100	ND<100	ND<50	ND<100	ND<100	ND<100	ND<100	ND<100	430	ND<100	ND<100	ND<1000	ND<1000	110	ND<100
	2/14/2006	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	616	87	ND<50.0	ND<50.0	183	117	ND<50.0
	8/4/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	160	55	9.4	ND<5.0	130	52	ND<2.0
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	820	150	ND<2.0	ND<5.0	290	180	ND<2.0
	2/9/2007	ND<400	ND<400	ND<400	ND<400	ND<1000	ND<400	ND<400	ND<400	ND<400	500	ND<400	ND<400	ND<1000	ND<1000	ND<400	ND<400
	5/11/2007	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	500	63 J	ND<200	ND<500	170 J	65 J	ND<200
	8/10/2007	ND<100	ND<100	ND<100	ND<100	ND<250	ND<100	ND<100	ND<100	ND<100	420	74 J	ND<100	ND<250	92 J	72 J	ND<100
	11/8/2007	ND<400	ND<400	ND<400	ND<400	ND<1000	ND<400	ND<400	ND<400	ND<400	530	96 J	ND<400	ND<1000	230 J	140 J	ND<400
	2/11/2008	ND<200	ND<200	ND<200	ND<200	ND<500	ND<200	ND<200	ND<200	ND<200	430	100 J	ND<200	ND<500	270 J	140 J	ND<200
MW-503B	10/5/2005	ND<20	ND<20	ND<20	ND<10	ND<20	ND<20	ND<20	ND<20	ND<20	73	61	ND<20	ND<200	ND<200	90	ND<20
	2/14/2006	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	12 J	69	ND<50.0	ND<50.0	ND<50.0	56	ND<50.0
	8/4/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	7.2	3.1	ND<2.0	ND<2.0	3.5	47	ND<2.0	ND<5.0	ND<5.0	29	ND<2.0
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	4.9	ND<2.0	ND<2.0	ND<2.0	4.7	70	ND<2.0	ND<5.0	ND<5.0	83	ND<2.0
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	11	2.2	ND<2.0	ND<2.0	ND<2.0	45	ND<2.0	ND<5.0	ND<5.0	29	ND<2.0
	5/11/2007	ND<2.0	ND<2.0	0.63 J	0.47 J	0.87 J	17	2.6	ND<2.0	ND<2.0	2.1	40	ND<2.0	ND<5.0	1.5 J	ND<2.0	ND<2.0
	8/10/2007	ND<2.0	ND<2.0	0.48 J	0.64 J	0.76 J	19	2.0	ND<2.0	ND<2.0	1.7 J	52	ND<2.0	ND<5.0	ND<5.0	32	ND<2.0
	11/8/2007	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<20	15	ND<8.0	ND<8.0	ND<8.0	3.7 J	44	7.0 J	ND<20	11 J	33	ND<8.0
	2/11/2008	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<20	21	1.4 J	ND<8.0	ND<8.0	3.4 J	35	6.6 J	ND<20	18 J	35	ND<8.0
	1/21/2009	ND<10	ND<10	ND<10	ND<10	ND<25	9.2 J	ND<10	ND<10	ND<10	39	110	2.6 J	ND<25	36	200	ND<10
	4/27/2009	ND<2.0	ND<2.0	ND<2.0	1.2 J	ND<5.0	4.8	ND<2.0	ND<2.0	ND<2.0	24	100	1.9 J	ND<5.0	29	180	ND<2.0
Operational Area 6: Former AST Area at Walker Property																	
W-3A	2/16/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	19	8.2	ND<5.0	ND<5.0	27	ND<5.0
	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	19	ND<2.0	ND<5.0	38	25	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	12	7.7	ND<5.0	37	26	ND<2.0
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	11	ND<2.0	ND<5.0	30	14	ND<2.0
	5/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	12	ND<2.0	ND<5.0	16	15	ND<2.0
	8/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	14	1.2 J	ND<5.0	14	17	ND<2.0
	11/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	12	0.46 J	ND<5.0	ND<5.0	17	ND<2.0
	2/7/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	13	ND<2.0	ND<5.0	ND<5.0	19	ND<2.0
Off-Site Wells: Walker Property																	
W-1	10/6/2005	ND<1.0	1.1	ND<1.0	ND<0.50	ND<1.0	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0	4.4	ND<1.0	ND<10	ND<10	ND<1.0	ND<1.0
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1.3 J	ND<5.0	ND<5.0	ND<5.0	4.3 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	16	ND<2.0	ND<5.0	ND<2.0	11	ND<2.0
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	18	ND<2.0	ND<5.0	ND<2.0	9.4	ND<2.0
	5/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	0.42 J	ND<2.0	ND<2.0	0.61 J	21	1.1 J	ND<5.0	1.0 J	16	ND<2.0
	8/9/2007	ND<2.0	ND<2.0	0.32 J	ND<2.0	ND<5.0	ND<2.0	0.47 J	ND<2.0	ND<2.0	0.84 J	33	ND<2.0	ND<5.0	1.1 J	30	ND<2.0
	11/7/2007	0.69 J	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	0.70 J	0.41 J	0.82 J	1.2 J	35	ND<2.0	ND<5.0	1.6 J	37	ND<2.0
	2/7/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	25	ND<2.0	ND<5.0	ND<2.0	24	ND<2.0
	1/20/2009	ND<2.0	0.58 J	0.58 J	ND<2.0	ND<5.0	ND<2.0	0.87 J	ND<2.0	ND<2.0	ND<2.0	3.6	ND<2.0	ND<5.0	ND<5.0	1.8 J	ND<2.0
	DUP	ND<2.0	0.81 J	0.61 J	ND<2.0	ND<5.0	0.4 J	1.1 J	ND<2.0	ND<2.0	ND<2.0	4.8	1.3 J	ND<5.0	ND<2.0	2.5	ND<2.0
	4/24/2009	ND<2.0	ND<2.0	0.74 J	ND<2.0	ND<5.0	ND<2.0	1.4 J	ND<2.0	ND<2.0	ND<2.0	1.8 J	0.28 J	ND<5.0	ND<2.0	0.71 J	ND<2.0
W-4	10/6/2005	ND<1.0	ND<1.0	1.7	ND<0.50	ND<1.0	6.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.9	ND<1.0	ND<10	ND<10	4.2	ND<1.0
	2/15/2006	ND<5.0	ND<5.0	2.5 J	ND<5.0	ND<5.0	2.8 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	12	ND<5.0	ND<1.0	ND<5.0	7.5	ND<5.0
	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.5	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	5.1	ND<2.0	ND<2.0	ND<2.0	ND<2.0	4.2	ND<2.0	ND<5.0	ND<5.0	3.2	ND<2.0
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	4.7	ND<2.0	ND<2.0	ND<2.0	ND<2.0	3.7	ND<2.0	ND<5.0	ND<5.0	2.8	ND<2.0
	5/10/2007	ND<2.0	0.55 J	ND<2.0	ND<2.0	ND<5.0	3.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	5.2	ND<2.0	ND<5.0	ND<5.0	3.9	ND<2.0
	8/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	8.7	ND<2.0	ND<5.0	ND<5.0	6.6	ND<2.0
	11/7/2007	ND<2.0	ND<2.0	0.36 J	ND<2.0	ND<5.0	3.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	5.6	ND<2.0	ND<5.0	ND<5.0	1.6 J	ND<2.0
	2/7/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	4.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	9.0	ND<2.0	ND<5.0	ND<5.0	7.1	ND<2.0
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	7.8	ND<2.0	ND<5.0	ND<5.0	6.1	ND<2.0
	1/19/2009	ND<2.0	ND<2.0	1.0 J	ND<2.0	ND<1.0 M	7.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	5.6	0.45 J	ND<5.0 R	0.43 J	2.8	ND<2.0
	4/27/2009	ND<2.0	ND<2.0	0.61 J	ND<2.0	ND<5.0	7.3	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.3	ND<2.0	ND<5.0	ND<5.0	1.1 J	ND<2.0
EW-1	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	6.3	8.4	ND<2.0	ND<2.0	68	120	ND<2.0	ND<5.0	42	110	ND<2.0
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	6.5	7.8	ND<2.0	ND<2.0	39	100	ND<2.0	ND<5.0	26	80	ND<2.0
	5/10/2007	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<10	6.9	6.9	ND<4.0	ND<4.0	15	130	1.5 J	ND<10	10	110	ND<4.0
	8/10/2007	ND<2.0	ND<2.0	0.35 J	ND<2.0	ND<5.0	11	9.9	ND<2.0	ND<2.0	14	210	ND<2.0	ND<5.0	20	170	ND<2.0
	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/8/2008	ND<4.0	ND<4.0	0.54 J	ND<4.0	ND<10	9.8	14	ND<4.0	ND<4.0	4.9	140	1.7 J	ND<10	5.3 J	120	ND<4.0
W-16A	11/9/2007	ND<2.0	ND<2.0	2.6	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	4.3	ND<2.0	ND<5.0	ND<5.0	1.7 J	ND<2.0
	2/6/2008	ND<2.0	ND<2.0	2.8	ND<2.0	ND<5.0	ND<2.0	0.88 J	ND<2.0	ND<2.0	ND<2.0	6.7	ND<2.0	ND<5.0	ND<5.0	3.3	ND<2.0
	1/21/2009	ND<2.0	ND<2.0	2.5	ND<2.0	ND<5.0	ND<2.0	0.27 J	ND<2.0	ND<2.0	ND<2.0	9.4	ND<2.0	ND<5.0	ND<5.0	4.2	ND<2.0
	4/27/2009	ND<2.0	ND<2.0	1.8 J	ND<2.0	ND<5.0	ND<2.0	0.54 J	ND<2.0	ND<2.0	ND<2.0	7.9	ND<2.0	ND<5.0	ND<5.0	1.7 J	ND<2.0
W-16B	11/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	6.6	8.7	ND<2.0	ND<2.0	ND<2.0	0.25 J	ND<2.0	ND<5.0	0.80 J	ND<2.0	ND<2.0
	2/6/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	27	43	ND<2.0	ND<2.0	0.33 J	2.1	ND<2.0	ND<5.0	1.9 J	1.4 J	ND<2.0
	1/21/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	9.7	15	ND<2.0	ND<2.0	0.84 J	0.84 J	ND<2.0	ND<5.0	ND<5.0	0.38 J	ND<2.0
	4/27/2009	ND<20	ND<20	ND<20	ND<20	ND<50	6.1 J	9.4 J	ND<20	ND<20	ND<20	ND<20	ND<20	ND<50	ND<50	ND<20	ND<20
W-16C	11/9/2007	ND<2.0	ND<2.0	11	ND<2.0	1.1 J	40	12	2.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/6/2008	ND<2.0	ND<2.0	24	ND<2.0	2.7 J	66	14	4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	1/21/2009	ND<2.0	ND<2.0	35	ND<2.0	3.8 J	73	17	3.7	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/28/2009	ND<2.0	ND<2.0	14	ND<2.0	1.3 J	41	12	1.8 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	2,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Naphthalene	n-Propylbenzene	Tetrachloroethene
Off-Site Wells: Metropolitan State Hospital																	
MW-603	10/6/2005	ND<1.0	ND<1.0	8.0	12	100	22	7.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	160
	2/14/2006	ND<5.0	ND<5.0	6.0	28	80	17	3.5 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	103
	8/1/2006	ND<2.0	ND<2.0	7.1	8.0	97	22	3.7	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	150
	11/7/2006	ND<2.0	ND<2.0	6.3	14	110	21	3.3	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	170
	2/6/2007	ND<2.0	ND<2.0	6.0	17	89	19	2.7	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	140
	5/8/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2007	ND<2.0	ND<2.0	5.5	6.4	60	17	2.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.9 J	ND<5.0	ND<2.0	140
	11/5/2007	ND<2.0	ND<2.0	5.0	3.8	72	16	2.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	120
	2/4/2008	ND<2.0	ND<2.0	3.9	2.2	61	15	2.5	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	110
	1/13/2009	ND<2.0	ND<2.0	4.4	5.6	48	17	2.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	74
	4/21/2009	ND<2.0	ND<2.0	3.8	2.0	51	17	2.4	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	90
MW-604	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	10	ND<2.0	ND<5.0	ND<5.0	7.0	ND<2.0
	5/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	13	ND<2.0	ND<5.0	ND<5.0	7.4	ND<2.0
	8/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	8.6	ND<2.0	ND<5.0	ND<5.0	5.0	ND<2.0
	11/5/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	13	ND<2.0	ND<5.0	0.55 J	7.9	ND<2.0
MW-605	10/5/2005	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	4.3
	DUP	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	4.5
	2/14/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	5.3
	DUP	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4.2 J
	8/1/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	8.5
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	9.2
	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	20
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	21
	2/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	35
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	38
	5/8/2007	ND<2.0	ND<2.0	6.8 J	ND<2.0	3.7 J	1.6 J	ND<2.0	0.70 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	40
	DUP	ND<2.0	ND<2.0	0.74 J	ND<2.0	3.6 J	1.6 J	ND<2.0	0.61 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	45
	8/7/2007	ND<2.0	ND<2.0	0.77 J	ND<2.0	3.0 J	1.2 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	37
	DUP	ND<2.0	ND<2.0	0.72 J	ND<2.0	3.2 J	1.2 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.0 J	ND<5.0	ND<2.0	36
	11/5/2007	ND<2.0	ND<2.0	0.53 J	ND<2.0	2.6 J	0.84 J	ND<2.0	0.43 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	20
	DUP	ND<2.0	ND<2.0	0.56 J	ND<2.0	2.7 J	0.91 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	20
	2/4/2008	ND<2.0	ND<2.0	0.62 J	ND<2.0	4.0 J	1.1 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	20
	DUP	ND<2.0	ND<2.0	0.67 J	ND<2.0	4.0 J	1.1 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	21
MW-606	10/5/2005	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<10	ND<1.0	ND<1.0
	2/14/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	8/1/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	2/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	5/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	8/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	11/5/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	1/13/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
MW-607	10/5/2005	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	9.1	ND<1.0	ND<10	ND<10	12	ND<1.0
	2/14/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	8.0	ND<5.0	ND<5.0	ND<5.0	11	ND<5.0
	8/1/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	6.6	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	2/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	6.8	ND<2.0	ND<5.0	ND<2.0	13	ND<2.0
	5/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	3.2	ND<2.0	ND<5.0	ND<2.0	1.9	ND<2.0
	8/7/2007	ND<2.0	ND<2.0	0.33 J	0.53 J	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	7.8	ND<2.0	ND<5.0	ND<2.0	6.7	ND<2.0
	11/5/2007	ND<2.0	ND<2.0	0.29 J	0.38 J	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	9.6	ND<2.0	ND<5.0	ND<2.0	15	ND<2.0
	2/4/2008	ND<2.0	ND<2.0	0.40 J	0.53 J	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	19	2.1	ND<5.0	2.8 J	34	ND<2.0
W-14A	2/12/2008	ND<2.0	ND<2.0	0.46 J	0.37 J	2.5 J	9.0	1.1 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	2.3
	1/13/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	1.5 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/21/2009	ND<2.0	ND<2.0	0.44 J	0.40 J	2.8 J	8.7	0.86 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	1.3 J
W-14B	2/12/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	0.83 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	0.72 J
	1/13/2009	ND<2.0	ND<2.0	1.2 J	ND<2.0	10	4.8	1.2 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	8.4
	4/21/2009	ND<2.0	ND<2.0	2.2	0.45 J	26	9.6	2.6	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	19
W-14C	2/12/2008	ND<2.0	ND<2.0	3.7	0.48 J	16	22	5.7	ND<2.0	ND<2.0	ND<2.0	0.31 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	0.89 J
	1/14/2009	ND<2.0	ND<2.0	3.4	0.51 J	17	34	8.8	ND<2.0	ND<2.0	ND<2.0	0.69 J	ND<2.0	ND<5.0	0.53 J	ND<2.0	ND<2.0
	4/21/2009	ND<2.0	ND<2.0	2.1	ND<2.0	8.1	23	4.5	ND<2.0	ND<2.0	ND<2.0	0.32 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
W-15A	2/11/2008	ND<20	ND<20	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	5.1 J	95	ND<20	ND<50	ND<20	140	ND<20
	1/14/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	6.4	ND<2.0	ND<5.0	ND<5.0	10	ND<2.0
	4/24/2009	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<10	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	8.7	ND<4.0	ND<10	ND<10	13	ND<4.0
W-15B	2/11/2008	ND<20	ND<20	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	ND<20	46	ND<20	ND<50	ND<20	51	ND<20
	1/14/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.57 J	19	ND<2.0	ND<5.0	ND<5.0	23	ND<2.0
	4/24/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.0 J	ND<2.0	ND<5.0	ND<5.0	1.3 J	ND<2.0
W-15C	2/11/2008	ND<2.0	ND<2.0	0.45 J	0.35 J	ND<5.0	1.1 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	1/15/2009	ND<2.0	ND<2.0	1.2 J	0.86 J	0.66 J	5.7	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0
	4/24/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	1.0 J	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.36 J	ND<2.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	Toluene	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	p/m-Xylenes	o-Xylene	Total Xylenes	Diisopropyl Ether (DIPE)	Tert-Amyl Methyl Ether (TAME)	Methyl tert-Butyl Ether (MTBE)	Tert-Butyl Alcohol (TBA)	1,4-Dioxane
Operational Area 1: Bloomfield Property																	
MW-106A	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	10	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	7.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	13	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	0.61
	5/10/2007	ND<2.0	ND<2.0	0.28 J	ND<5.0	ND<10	ND<2.0	ND<2.0	7.9	ND<2.0	ND<2.0	ND<4.0	0.36 J	ND<5.0	ND<5.0	20 J	NA
	8/9/2007	ND<2.0	ND<2.0	0.45 J	ND<5.0	ND<10	ND<2.0	ND<2.0	12	ND<2.0	ND<2.0	ND<4.0	0.54 J	ND<5.0	ND<5.0	19 J	NA
	11/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	9.9	ND<2.0	ND<2.0	ND<4.0	0.50 J	ND<5.0	ND<5.0	20 J	NA
	2/5/2008	ND<2.0	ND<2.0	0.29 J	ND<5.0	ND<10	ND<2.0	ND<2.0	10	ND<2.0	ND<2.0	ND<4.0	0.46 J	ND<5.0	ND<5.0	16 J	NA
	1/19/2009	ND<2.0	ND<2.0	0.29 J	ND<5.0	ND<10	ND<2.0	ND<2.0	6.3	ND<2.0	ND<2.0	ND<4.0	0.31 J	ND<5.0	ND<5.0	17 J	NA
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	10	ND<2.0	ND<2.0	ND<4.0	0.26 J	ND<5.0	ND<5.0	18 J	NA
MW-107A	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	3.4	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/9/2006	ND<2.0	ND<2.0	2.5	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	9.1	ND<2.0	9.2	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/8/2007	ND<2.0	ND<2.0	3.9	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	25	ND<2.0	26	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<0.48
	5/10/2007	1.0 J	ND<2.0	3.5	ND<5.0	ND<10	ND<2.0	0.29 J	2.0 J	17	ND<2.0	17	ND<5.0	ND<5.0	ND<5.0	21 J	NA
	8/9/2007	2.0	ND<2.0	4.8	ND<5.0	ND<10	ND<2.0	0.33 J	2.3 J	41	ND<2.0	41	ND<5.0	ND<5.0	ND<5.0	18 J	NA
	11/7/2007	4.2	ND<2.0	3.7	ND<5.0	ND<10	ND<2.0	0.49 J	4.4 J	26	ND<2.0	26	ND<5.0	ND<5.0	ND<5.0	35 J	NA
	2/5/2008	3.0	ND<2.0	3.2	ND<5.0	ND<10	ND<2.0	0.38 J	5.0	12	ND<2.0	12	ND<5.0	ND<5.0	ND<5.0	37 J	NA
	1/19/2009	1.9 J	ND<2.0	2.0	ND<5.0	ND<10	ND<2.0	0.29 J	2.0 J	9.9	0.43 J	10	ND<5.0	ND<5.0	ND<5.0	66	NA
	DUP	1.9 J	ND<2.0	2.1	ND<5.0	ND<10	ND<2.0	0.27 J	1.8 J	9.6	0.38 J	10	ND<5.0	ND<5.0	ND<5.0	62	NA
	4/23/2009	1.2 J	ND<2.0	3.4	ND<5.0	ND<10	3.0	2.7	1.3 J	91	0.47 J	92	ND<5.0	ND<5.0	ND<5.0	66	NA
	DUP	1.1 J	ND<2.0	3.6	ND<5.0	ND<10	3.2	2.8	1.3 J	94	0.47 J	94	ND<5.0	ND<5.0	ND<5.0	67	NA
MW-203	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	11	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	10	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	9.7	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	1.9
	5/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	7.8	ND<2.0	ND<2.0	ND<4.0	0.41 J	ND<5.0	0.70 J	28 J	NA
	8/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	8.5	ND<2.0	ND<2.0	ND<4.0	0.47 J	ND<5.0	0.59 J	27 J	NA
	11/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	8.0	ND<2.0	ND<2.0	ND<4.0	0.47 J	ND<5.0	0.69 J	28 J	NA
	2/5/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	8.7	ND<2.0	ND<2.0	ND<4.0	0.47 J	ND<5.0	0.63 J	32 J	NA
	1/19/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	7.6	ND<2.0	ND<2.0	ND<4.0	0.58 J	ND<5.0	0.84 J	40 J	NA
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	4.9 J	ND<2.0	ND<2.0	ND<4.0	0.36 J	ND<5.0	3.1 J	36 J	NA
Operational Area 2: East Tank Farm Area																	
MW-103	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	71	200	NA
	11/8/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	41	160	NA
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	26	190	2.0
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	12	85	NA
	8/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	0.70 J	ND<2.0	ND<4.0	ND<5.0	ND<5.0	14	110	NA
	11/6/2007	0.49 J	ND<2.0	ND<2.0	ND<5.0	ND<10	0.24 J	0.39 J	ND<5.0	2.8	0.40 J	3.2 J	ND<5.0	ND<5.0	20	160	NA
MW-204	10/7/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	2.3	1.2	ND<0.50	2.1	ND<1.0	2.1	ND<2.0	ND<2.0	ND<1.0	90	NA
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.6 J	1.2 J	ND<5.0	1.4 J	ND<5.0	1.4 J	ND<1.0	ND<1.0	ND<1.0	91	NA
	8/1/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	14	6.7	ND<5.0	8.1	ND<2.0	8.2	ND<5.0	ND<5.0	ND<5.0	67	NA
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	25	16	ND<5.0	14	ND<2.0	15	ND<5.0	ND<5.0	ND<5.0	64	1.4
	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	0.65 J	0.42 J	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	81	NA
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	0.38 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	71	NA
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	0.74 J	0.84 J	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	71	NA
W-7	10/6/2006	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<10	NA
	2/16/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1.1 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	NA
	8/4/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	2.2	ND<2.0	ND<5.0	2.6	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<0.48
	5/8/2007	0.45 J	ND<2.0	ND<2.0	ND<5.0	ND<10	1.44 J	0.35 J	ND<5.0	1.4 J	0.75 J	2.2 J	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	8/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	1/13/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	4/21/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
W-12	11/8/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	55	NA
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	50	1.0
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	1.1 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	40 J	NA
	8/8/2007	ND<2.0	ND<2.0	0.27 J	ND<5.0	ND<10	ND<2.0	ND<2.0	0.85 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	0.36 J	40 J	NA
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	0.47 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	1.2 J	58	NA
	2/8/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	0.82 J	54	NA
	1/20/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	2.4 J	ND<2.0	ND<2.0	ND<4.0	0.28 J	ND<5.0	ND<5.0	32 J	NA
	4/22/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	0.26 J	ND<2.0	1.5 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	0.33 J	30 J	NA
Operational Area 3: Processing Area																	
MW-104A	10/7/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	83	NA
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	30	NA
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	120	0.64
	5/8/2007	0.37 J	ND<2.0	0.39 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	340	NA
	8/8/2007	ND<2.0	ND<2.0	0.78 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	150	NA
	11/5/2007	ND<2.0	ND<2.0	0.72 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	81	NA
	2/4/2008	ND<2.0	ND<2.0	0.79 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	71	NA
	1/16/2009	ND<2.0	ND<2.0	0.39 J	ND<5.0	ND<10	0.55 J	ND<2.0	ND<5.0	1.0 J	ND<2.0	1.2 J	ND<5.0	ND<5.0	ND<5.0	23 J	NA
	4/22/2009	ND<2.0	ND<2.0	0.46 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	38 J	NA
MW-504	2/16/2006	76	ND<50.0	ND<50.0	ND<50.0	ND<50.0	152	106	ND<50.0	391	120	511	ND<10.0	ND<10.0	13	ND<100	NA
	8/3/2006	51	ND<2.0	ND<2.0	ND<5.0	ND<10	98	90	ND<5.0	360	130	490	ND<5.0	ND<5.0	9.3	ND<50	NA
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	49	98	ND<5.0	220	ND<2.0	260	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	38	64	ND<5.0	120	8.5	130	ND<5.0	ND<5.0	ND<5.0	98	4.5
	5/11/2007	7.2 J	ND<40	ND<40	ND<100	ND<200	130	110	ND<100	390	11 J	400	ND<100	ND<100	ND<100	ND<1000	NA
	8/10/2007	6.6 J	ND<20	ND<20	ND<50	ND<100	95	89	ND<50	340	6.8 J	350	ND<50	ND<50	5.1 J	ND<500	NA
	11/8/2007	7.5 J	ND<20	ND<20	ND<50	ND<100	85	100	ND<50	260	7.0 J	270	ND<50	ND<50	4.9 J	ND<500	NA
	2/8/2008	7.5 J	ND<20	ND<20	ND<50	ND<100	89	110	ND<50	230	16 J	246	ND<50	ND<50	6.4 J	110 J	NA
W-9	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	0.72
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	17 J	NA
	8/7/2007	ND<2.0	ND<2.0	0.78 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	22 J	NA
	11/6/2007	ND<2.0	ND<2.0	0.56 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	19 J	NA
	2/5/2008	ND<2.0	ND<2.0	0.48 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	23 J	NA
	1/15/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	18 J	NA
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	18 J	NA

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	Toluene	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	p/m-Xylenes	o-Xylene	Total Xylenes	Diisopropyl Ether (DIPE)	Tert-Amyl Methyl Ether (TAME)	Methyl tert-Butyl Ether (MTBE)	Tert-Butyl Alcohol (TBA)	1,4-Dioxane
W-10	11/8/2006	ND<40	ND<40	ND<40	ND<100	ND<200	360	110	ND<100	2100	820	2920	ND<100	ND<100	ND<100	ND<1000	NA
	2/9/2007	2200	ND<200	ND<200	ND<500	ND<1000	280	ND<200	ND<500	2200	710	2910	ND<500	ND<500	ND<500	ND<5000	6.4
	DUP	1600	ND<200	ND<200	ND<500	ND<1000	260	ND<200	ND<500	1800	570	2370	ND<500	ND<500	ND<500	ND<5000	7.7
	5/11/2007	140	ND<4.0	ND<4.0	ND<10	ND<20	130	48	3.6 J	480	130	610	ND<10	ND<10	ND<10	84 J	NA
	DUP	160	ND<10	ND<10	ND<25	ND<50	150	53	3.9 J	540	150	690	ND<25	ND<25	ND<25	85 J	NA
	8/9/2007	20	ND<10	ND<10	ND<25	ND<50	90	33	3.0 J	330	40	370	ND<25	ND<25	ND<25	68 J	NA
	DUP	17	ND<10	ND<10	ND<25	ND<50	89	32	4.0 J	320	43	363	ND<25	ND<25	ND<25	71 J	NA
	11/9/2007	460	ND<200	ND<200	ND<500	ND<1000	190 J	55 J	ND<500	1300	180 J	1480	ND<500	ND<500	ND<500	ND<5000	NA
	DUP	620	ND<200	ND<200	ND<500	ND<1000	220	68 J	ND<500	1500	240	1740	ND<500	ND<500	ND<500	ND<5000	NA
	2/8/2008	280	ND<200	ND<200	ND<500	ND<1000	140 J	38 J	ND<500	1300	190 J	1490	ND<500	ND<500	ND<500	ND<5000	NA
	DUP	310	ND<200	ND<200	ND<500	ND<1000	150 J	42 J	ND<500	1400	200	1600	ND<500	ND<500	ND<500	ND<5000	NA
	1/21/2009	73 J	ND<200	ND<200	ND<500	ND<1000	230	49 J	ND<500	1400	ND<200	1400	ND<500	ND<500	ND<500	ND<5000	NA
	DUP	63 J	ND<200	ND<200	ND<500	ND<1000	220	45 J	ND<500	1300	ND<200	1300	ND<500	ND<500	ND<500	ND<5000	NA
	4/27/2009	ND<200	ND<200	ND<200	ND<500	ND<1000	190 J	31 J	ND<500	830	ND<200	830	ND<500	ND<500	ND<500	ND<5000	NA
	DUP	ND<200	ND<200	ND<200	ND<500	ND<1000	230	36 J	ND<500	1400	ND<200	1400	ND<500	ND<500	ND<500	ND<5000	NA
W-17A	2/14/2008	ND<2.0	ND<2.0	0.92 J	ND<5.0	ND<10	ND<2.0	ND<2.0	0.70 J	ND<2.0	ND<2.0	ND<4.0	0.37 J	ND<5.0	ND<5.0	140	NA
	1/16/2009	ND<2.0	ND<2.0	0.50 J	ND<5.0	ND<10	0.33 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	54	NA
	4/22/2009	ND<2.0	ND<2.0	2.1	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	57	NA
W-17B	2/14/2008	ND<2.0	ND<2.0	0.74 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	30 J	NA
	1/16/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	18 J	NA
	4/22/2009	ND<2.0	ND<2.0	0.72 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	18 J	NA
W-17C	2/14/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	25 J	NA
	1/16/2009	ND<2.0	ND<2.0	0.49 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	21 J	NA
	4/23/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	18 J	NA
Operational Area 4: West Tank Farm Area																	
MW-101	8/3/2006	34	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/9/2006	ND<2.0	ND<2.0	21	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/12/2007	ND<8.0	ND<8.0	ND<8.0	ND<20	ND<40	ND<8.0	ND<8.0	ND<20	ND<8.0	ND<8.0	ND<16	ND<20	ND<20	ND<20	72	2.2
	5/11/2007	0.47 J	ND<2.0	37	ND<5.0	ND<10	ND<2.0	ND<2.0	0.82 J	ND<2.0	ND<2.0	ND<4.0	0.30 J	ND<5.0	ND<5.0	ND<50	NA
	8/8/2007	0.49 J	ND<2.0	46	ND<5.0	ND<10	ND<2.0	ND<2.0	0.72 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/8/2007	0.90 J	ND<2.0	6.3	ND<5.0	ND<10	0.24 J	ND<2.0	ND<5.0	0.80 J	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
MW-105	10/6/2005	ND<1.0	ND<1.0	41	ND<10	ND<5.0	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0	ND<2.0	2.1	ND<2.0	ND<1.0	25	NA
	DUP	ND<1.0	ND<1.0	34	ND<10	ND<5.0	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0	ND<2.0	2.3	ND<2.0	ND<1.0	31	NA
	2/15/2006	ND<5.0	ND<5.0	36	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1.1	ND<1.0	ND<1.0	27	NA
	DUP	ND<5.0	ND<5.0	34	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1.2	ND<1.0	ND<1.0	27	NA
	8/1/2006	ND<2.0	ND<2.0	42	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	51	NA
	DUP	ND<2.0	ND<2.0	39	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	57	NA
	11/8/2006	ND<2.0	ND<2.0	62	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	59	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/7/2007	ND<2.0	ND<2.0	57	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	1.3
	DUP	ND<2.0	ND<2.0	47	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	1.5
	5/9/2007	ND<2.0	ND<2.0	36	ND<5.0	ND<10	ND<2.0	ND<2.0	0.59 J	ND<2.0	ND<2.0	ND<4.0	0.77 J	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	36	ND<5.0	ND<10	ND<2.0	ND<2.0	0.57 J	ND<2.0	ND<2.0	ND<4.0	0.78 J	ND<5.0	ND<5.0	ND<50	NA
	8/7/2007	ND<2.0	ND<2.0	62	ND<5.0	ND<10	ND<2.0	ND<2.0	1.1 J	ND<2.0	ND<2.0	ND<4.0	0.98 J	ND<5.0	0.32 J	ND<50	NA
	DUP	ND<2.0	ND<2.0	60	ND<5.0	ND<10	ND<2.0	ND<2.0	1.4 J	ND<2.0	ND<2.0	ND<4.0	0.99 J	ND<5.0	ND<5.0	ND<50	NA
	11/5/2007	ND<2.0	ND<2.0	68	ND<5.0	ND<10	ND<2.0	ND<2.0	1.2 J	ND<2.0	ND<2.0	ND<4.0	1.0 J	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	60	ND<5.0	ND<10	ND<2.0	ND<2.0	1.2 J	ND<2.0	ND<2.0	ND<4.0	0.95 J	ND<5.0	ND<5.0	ND<50	NA
	2/5/2008	ND<2.0	ND<2.0	74	ND<5.0	ND<10	ND<2.0	ND<2.0	2.3 J	ND<2.0	ND<2.0	ND<4.0	1.6 J	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	72	ND<5.0	ND<10	ND<2.0	ND<2.0	2.3 J	ND<2.0	ND<2.0	ND<4.0	1.6 J	ND<5.0	ND<5.0	ND<50	NA
	1/15/2009	ND<2.0	ND<2.0	84	ND<5.0	ND<10	ND<2.0	ND<2.0	2.6 J	ND<2.0	ND<2.0	ND<4.0	0.86 J	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	75	ND<5.0	ND<10	ND<2.0	ND<2.0	2.3 J	ND<2.0	ND<2.0	ND<4.0	0.72 J	ND<5.0	ND<5.0	ND<50	NA
	4/22/2009	ND<2.0	ND<2.0	44	ND<5.0	ND<10	ND<2.0	ND<2.0	1.3 J	ND<2.0	ND<2.0	ND<4.0	0.65 J	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	62	ND<5.0	ND<10	ND<2.0	ND<2.0	1.9 J	ND<2.0	ND<2.0	ND<4.0	0.85 J	ND<5.0	ND<5.0	ND<50	NA
MW-201	10/7/2005	37	ND<5.0	ND<5.0	ND<50	ND<25	33	16	ND<2.5	73	18	91	ND<10	ND<10	ND<5.0	130	NA
	2/15/2006	2.5 J	ND<5.0	1.6 J	ND<5.0	ND<5.0	1.2 J	ND<5.0	ND<5.0	6.3	ND<5.0	6.3	ND<1.0	ND<1.0	ND<1.0	20	NA
	8/2/2006	ND<2.0	ND<2.0	13	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	4.1	ND<2.0	4.4	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/9/2006	3.4	ND<2.0	30	ND<5.0	ND<10	4.8	ND<2.0	ND<5.0	11	2.9	13	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/7/2007	ND<2.0	ND<2.0	7.4	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	5.1	ND<2.0	5.4	ND<5.0	ND<5.0	ND<5.0	ND<50	1.1
	5/9/2007	ND<2.0	0.67 J	8.5	ND<5.0	ND<10	ND<2.0	ND<2.0	0.67 J	2.6	ND<2.0	2.8	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	8/8/2007	0.75 J	ND<2.0	22	ND<5.0	ND<10	ND<2.0	ND<2.0	0.90 J	3.3	ND<2.0	3.5 J	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/6/2007	3.9	ND<2.0	22	ND<5.0	ND<10	6.3	8.4	1.6 J	30	5.9	36	ND<5.0	ND<5.0	ND<5.0	92	NA
	2/7/2008	ND<2.0	ND<2.0	36	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	1/20/2009	3.9	ND<2.0	ND<2.0	ND<5.0	ND<10	2.4	1.7 J	1.6 J	19	1.0 J	20	ND<5.0	ND<5.0	ND<5.0	44 J	NA
	4/28/2009	1.1 J	ND<2.0	ND<2.0	ND<5.0	ND<10	0.70 J	3.5	0.79 J	1.2 J	ND<2.0	1.2 J	ND<5.0	ND<5.0	ND<5.0	12 J	NA
MW-205	10/6/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<10	NA
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	NA
	8/2/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/8/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	0.91
	5/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	0.41 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	8/8/2007	ND<2.0	ND<2.0	0.30 J	ND<5.0	ND<10	ND<2.0	ND<2.0	0.65 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	1.5 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	12 J	NA
	2/5/2008	ND<2.0	ND<2.0	0.28 J	ND<5.0	ND<10	ND<2.0	ND<2.0	1.8 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	9.2 J	NA
	1/19/2009	0.86 J	ND<4.0	ND<4.0	ND<10	ND<20	ND<4.0	ND<4.0	ND<10	ND<4.0	ND<4.0	ND<8.0	ND<10	ND<10	ND<10	13 J	NA
	4/22/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	33 J	NA
W-8	10/6/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<10	NA
	2/16/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	NA
	8/4/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<0.51
	5/8/2007	0.73 J	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	0.23 J	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	8/7/2007	0.82 J	ND<2.0	ND<2.0	ND<5.0	ND<10	0.30 J	ND<2.0	ND<5.0	ND<2.0	0.38 J	0.94 J	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/6/2007	0.75 J	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	0.30 J	ND<4.0	ND<5.0	ND<5.0	ND<5.0	7.5 J	NA
	2/4/2008	0.81 J	ND<2.0	ND<2.0	ND<5.0	ND<10	0.25 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	1/13/2009	0.93 J	ND<2.0	ND<2.0	ND<5.0	ND<10	0.25 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	4/21/2009	0.82 J	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
W-11	11/9/2006	12	ND<2.0	ND<2.0	ND<5.0	ND<10	73	40	ND<5.0	240	37	280	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	7.8	ND<2.0	ND<2.0	ND<5.0	ND<10	60	34	ND<5.0	140	21	160	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/9/2007	14	ND<4.0	ND<4.0	ND<10	ND<20	56	28	ND<10	280	27	300	ND<10	ND<10	ND<10	ND<100	1.0
	5/9/2007	1.6 J	ND<2.0	ND<2.0	ND<5.0	ND<10	9.0	4.4	0.96 J	47	3.1	51	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	8/8/2007	3.7	ND<2.0	ND<2.0	ND<5.0	ND<10	15	8.6	1.1 J	11	7.1	18	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/8/2007	1.2 J	ND<2.0	ND<2.0	ND<5.0	ND<10	35	17	ND<5.0	37	13	49	ND<5.0	ND<5.0	ND<5.0	ND<50	NA

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	Toluene	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	p/m-Xylenes	o-Xylene	Total Xylenes	Diisopropyl Ether (DIPE)	Tert-Amyl Methyl Ether (TAME)	Methyl tert-Butyl Ether (MTBE)	Tert-Butyl Alcohol (TBA)	1,4-Dioxane
Operational Area 5: Lakeland Property																	
MW-501A	8/3/2006	32	ND<2.0	ND<2.0	ND<5.0	ND<10	6.2	25	ND<5.0	50	6.1	56	ND<5.0	ND<5.0	700	84	NA
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	1100	ND<50	NA
	2/12/2007	ND<40	ND<40	ND<40	ND<100	ND<200	ND<40	44	ND<100	ND<40	ND<40	ND<80	ND<100	ND<100	1100	ND<1000	13
	5/11/2007	ND<100	ND<100	ND<100	ND<250	ND<500	ND<100	24 J	ND<250	ND<100	ND<100	ND<200	ND<250	ND<250	640	ND<2500	NA
	8/10/2007	15 J	ND<20	ND<20	ND<50	ND<100	3.6 J	27	ND<50	28	3.1 J	31 J	ND<50	ND<50	630	54 J	NA
	11/8/2007	11 J	ND<40	ND<40	ND<100	ND<200	ND<40	17 J	ND<100	13 J	ND<40	ND<80	ND<100	ND<100	410	ND<1000	NA
MW-502	10/5/2005	ND<100	ND<100	ND<100	ND<1000	ND<500	ND<100	110	ND<50	110	ND<100	110	ND<200	ND<200	15000	ND<1000	NA
	2/14/2006	32 J	ND<50.0	ND<50.0	ND<50.0	ND<50.0	86	139	ND<50.0	182	ND<50.0	182	ND<10.0	ND<10.0	29300	ND<100.0	NA
	8/4/2006	38	ND<2.0	ND<2.0	ND<5.0	ND<10	160	98	ND<5.0	730	ND<2.0	740	ND<5.0	6.9	29000	790	NA
	11/10/2006	51	ND<2.0	ND<2.0	ND<5.0	ND<10	110	240	ND<2.0	250	ND<2.0	260	ND<5.0	ND<5.0	19000	ND<50	NA
	2/9/2007	ND<400	ND<400	ND<400	ND<1000	ND<2000	ND<400	ND<400	ND<1000	560	ND<400	ND<800	ND<1000	ND<1000	23000	ND<10000	7.6
	5/11/2007	59 J	ND<200	ND<200	ND<500	ND<1000	400	250	ND<500	720	ND<200	720	ND<500	ND<500	29000	ND<5000	NA
	8/10/2007	50 J	ND<100	ND<100	ND<250	ND<500	200	200	ND<250	480	ND<100	490	ND<250	ND<250	34000	610 J	NA
	11/8/2007	ND<400	ND<400	ND<400	ND<1000	ND<2000	50 J	100 J	ND<1000	140 J	ND<400	ND<800	ND<1000	ND<1000	16000	ND<10000	NA
	2/11/2008	52 J	ND<200	ND<200	ND<500	ND<1000	30 J	98 J	ND<500	120 J	ND<200	120 J	ND<500	ND<500	27000	ND<5000	NA
MW-503B	10/5/2005	ND<20	ND<20	ND<20	ND<200	ND<100	ND<20	ND<20	ND<10	38	ND<20	38	ND<40	ND<40	ND<20	ND<200	NA
	2/14/2006	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<250.0	ND<250.0	ND<50.0	ND<10.0	ND<10.0	ND<10.0	ND<100.0	NA
	8/4/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	22	ND<2.0	ND<2.0	5.8	2.1	2.0	4.1	ND<5.0	ND<5.0	7.6	ND<50	NA
	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	5.4	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	7.6
	5/11/2007	0.58 J	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	0.61 J	7.4	1.1 J	ND<2.0	1.3 J	ND<5.0	ND<5.0	1.3 J	ND<50	NA
	8/10/2007	0.62 J	ND<2.0	ND<2.0	ND<5.0	ND<10	0.23 J	0.44 J	7.6	1.1	ND<2.0	1.3	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/8/2007	3.6 J	ND<8.0	ND<8.0	ND<20	ND<40	ND<8.0	ND<8.0	7.0 J	4.7 J	ND<8.0	4.7 J	ND<20	ND<20	2.8 J	ND<200	NA
	2/11/2008	3.1 J	ND<8.0	ND<8.0	ND<20	ND<40	ND<8.0	ND<8.0	6.3 J	3.5 J	ND<8.0	3.5 J	ND<20	ND<20	3.4 J	ND<200	NA
	1/21/2009	14	ND<10	ND<10	ND<25	ND<50	ND<10	4.2 J	25	28	3.0 J	32	ND<25	ND<25	ND<25	ND<250	NA
	4/27/2009	11	ND<2.0	ND<2.0	ND<5.0	ND<10	0.53 J	2.9	25	18	2.9	21	ND<5.0	ND<5.0	2.2 J	ND<50	NA
Operational Area 6: Former AST Area at Walker Property																	
W-3A	2/16/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	18	16	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	6.2	16	NA
	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	9.0	ND<50	NA
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	6.4	9.5	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	11	ND<50	NA
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	3.9	6.1	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	8.4	ND<50	1.9
	5/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	2.3	3.6	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	7.8	23 J	NA
	8/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	2.0 J	2.3	ND<5.0	ND<2.0	0.34 J	ND<4.0	ND<5.0	ND<5.0	9.8	26 J	NA
	11/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	0.64 J	0.67 J	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	9.7	26 J	NA
	2/7/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	10	ND<50	NA
Off-Site Wells: Walker Property																	
W-1	10/6/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	7.1	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	25	34	NA
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	3.3 J	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	22	37	NA
	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	77	100	NA
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	65	78	NA
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	21	ND<50	0.95
	5/10/2007	0.57 J	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	1.8 J	ND<2.0	0.32 J	ND<4.0	ND<5.0	ND<5.0	28	43 J	NA
	8/9/2007	0.84 J	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	1.9 J	ND<2.0	0.63 J	1.2 J	0.25 J	ND<5.0	64	84	NA
	11/7/2007	1.6 J	ND<2.0	ND<2.0	ND<5.0	ND<10	0.38 J	2.1	1.2 J	0.68 J	0.91 J	1.6 J	0.25 J	0.40 J	56	80	NA
	2/7/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	31	51	NA
	1/20/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	2.8 J	ND<2.0	ND<2.0	ND<4.0	0.41 J	ND<5.0	3.1 J	23 J	NA
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	3.7 J	ND<2.0	ND<2.0	ND<4.0	0.49 J	ND<5.0	3.9 J	35 J	NA
	4/24/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	9.5	ND<2.0	ND<2.0	ND<4.0	0.42 J	ND<5.0	ND<5.0	26 J	NA
W-4	10/6/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	1.3	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	47	NA
	2/15/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.4 J	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	38	NA
	8/3/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/9/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	2.1
	5/10/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	1.0 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	1.6 J	30 J	NA
	8/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	0.59 J	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	2.0 J	18 J	NA
	11/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	1.4 J	22 J	NA
	2/7/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	55	NA
	DUP	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	50	NA
	1/19/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	1.8 J	ND<2.0	ND<2.0	ND<4.0	0.41 J	0.38 J	ND<5.0	47 J	NA
	4/27/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	1.9 J	ND<2.0	ND<2.0	ND<4.0	0.32 J	ND<5.0	ND<5.0	37 J	NA
EW-1	11/10/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	6.9	ND<2.0	ND<5.0	16	ND<2.0	17	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	5.1	2.3	ND<5.0	9.4	ND<2.0	10	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<0.49
	5/10/2007	1.5 J	ND<4.0	0.92 J	ND<10	ND<20	2.6 J	1.4 J	ND<10	3.7 J	ND<4.0	4.1 J	ND<10	ND<10	ND<10	17 J	NA
	8/10/2007	2.3	ND<2.0	1.8 J	ND<5.0	ND<10	3.2	1.4 J	ND<5.0	4.7	0.64 J	5.3	ND<5.0	ND<5.0	ND<5.0	15 J	NA
		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/8/2008	1.9 J	ND<4.0	2.6 J	ND<10	ND<20	0.48 J	ND<4.0	2.6 J	ND<4.0	ND<4.0	ND<8	ND<10	ND<10	ND<10	31 J	NA
W-16A	11/9/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	16	ND<2.0	ND<2.0	ND<4.0	0.27 J	ND<5.0	ND<5.0	30 J	NA
	2/6/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	0.63 J	14	ND<2.0	ND<2.0	ND<4.0	0.33 J	ND<5.0	ND<5.0	34 J	NA
	1/21/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	7.2	ND<2.0	ND<2.0	ND<4.0	0.25 J	ND<5.0	ND<5.0	31 J	NA
	4/27/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	0.27 J	17	ND<2.0	ND<2.0	ND<4.0	0.32 J	ND<5.0	ND<5.0	20 J	NA
W-16B	11/9/2007	ND<2.0	ND<2.0	0.72 J	ND<5.0	ND<10	0.26 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	9.1 J	NA
	2/6/2008	ND<2.0	ND<2.0	2.2	ND<5.0	ND<10	0.40 J	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	9.9 J	NA
	1/21/2009	ND<2.0	ND<2.0	1.0 J	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	11 J	NA
	4/27/2009	ND<20	ND<20	ND<20	ND<50	ND<100	ND<20	ND<20	ND<50	ND<20	ND<20	ND<40	ND<50	ND<50	ND<50	ND<500	NA
W-16C	11/9/2007	ND<2.0	ND<2.0	0.76 J	ND<5.0	ND<10	ND<2.0	ND<2.0	5.6	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	13 J	NA
	2/6/2008	0.46 J	ND<2.0	0.74 J	ND<5.0	ND<10	ND<2.0	ND<2.0	18	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	21 J	NA
	1/21/2009	0.45 J	ND<2.0	0.81 J	ND<5.0	ND<10	ND<2.0	ND<2.0	24	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	4/28/2009	ND<2.0	ND<2.0	0.52 J	ND<5.0	ND<10	ND<2.0	ND<2.0	8.2	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	8.2 J	NA

TABLE D2-B
HISTORICAL GROUNDWATER DATA
TPHg, VOC, AND OXYGENATE RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	Toluene	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	p/m-Xylenes	o-Xylene	Total Xylenes	Diisopropyl Ether (DIPE)	Tert-Amyl Methyl Ether (TAME)	Methyl tert-Butyl Ether (MTBE)	Tert-Butyl Alcohol (TBA)	1,4-Dioxane
Off-Site Wells: Metropolitan State Hospital																	
MW-603	10/6/2005	ND<1.0	ND<1.0	**150**	ND<10	ND<5.0	ND<1.0	ND<1.0	**1.6**	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<10	NA
	2/14/2006	ND<5.0	ND<5.0	**110**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	**1.7**	**18**	NA
	8/1/2006	ND<2.0	ND<2.0	**120**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/7/2006	ND<2.0	ND<2.0	**120**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/6/2007	ND<2.0	ND<2.0	**92**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	**5.8**
	5/8/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2007	ND<2.0	ND<2.0	**110**	**1.6 J**	ND<10	ND<2.0	ND<2.0	**0.79 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/5/2007	ND<2.0	ND<2.0	**110**	**1.9 J**	ND<10	ND<2.0	ND<2.0	**1.2 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/4/2008	ND<2.0	ND<2.0	**110**	**1.4 J**	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	1/13/2009	ND<2.0	ND<2.0	**79**	**0.61 J**	ND<10	ND<2.0	ND<2.0	**1.2 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	4/21/2009	ND<2.0	ND<2.0	**86 M2**	**0.53 J**	ND<10	ND<2.0	ND<2.0	**0.99 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
MW-604	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**15**	**65**	NA
	2/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**20**	**60**	ND<0.49
	5/8/2007	**0.38 J**	ND<2.0	ND<2.0	ND<5.0	ND<10	**0.48 J**	**0.26 J**	**0.87 J**	**0.81 J**	**0.48 J**	**1.3 J**	ND<5.0	ND<5.0	**18**	**57**	NA
	8/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	**0.23 J**	ND<2.0	ND<5.0	**0.74 J**	**0.46 J**	**1.2 J**	ND<5.0	ND<5.0	**18**	**44 J**	NA
	11/5/2007	**0.36 J**	ND<2.0	ND<2.0	ND<5.0	ND<10	**0.41 J**	ND<2.0	**0.69 J**	**0.85 J**	**0.49 J**	**1.3 J**	ND<5.0	ND<5.0	**23**	**50**	NA
MW-605	10/5/2005	ND<1.0	ND<1.0	**20**	ND<10	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<10	NA
	DUP	ND<1.0	ND<1.0	**20**	ND<10	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<10	NA
	2/14/2006	ND<5.0	ND<5.0	**21**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	NA
	DUP	ND<5.0	ND<5.0	**17**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	NA
	8/1/2006	ND<2.0	ND<2.0	**26**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	**26**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/7/2006	ND<2.0	ND<2.0	**29**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	**29**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/6/2007	ND<2.0	ND<2.0	**35**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	**1.5**
	DUP	ND<2.0	ND<2.0	**34**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	**1.6**
	5/8/2007	ND<2.0	ND<2.0	**33**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	**35**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	8/7/2007	ND<2.0	ND<2.0	**33**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	**32**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/5/2007	ND<2.0	ND<2.0	**20**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	**21**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/4/2008	ND<2.0	ND<2.0	**21**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	DUP	ND<2.0	ND<2.0	**21**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
MW-606	10/5/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	**3.2**	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	**4.8**	**42**	NA
	2/14/2006	ND<5.0	ND<5.0	ND<5.0	**3.8 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<10	NA
	8/1/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	11/7/2006	**6.7**	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	2/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<0.48
	5/8/2007	ND<2.0	ND<2.0	ND<2.0	**3.5 J**	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	8/7/2007	ND<2.0	ND<2.0	ND<2.0	**4.6 J**	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**0.90 J**	ND<50	NA
	11/5/2007	ND<2.0	ND<2.0	ND<2.0	**2.0 J**	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**0.32 J**	ND<50	NA
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	**1.0 J**	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	1/13/2009	ND<2.0	ND<2.0	ND<2.0	**1.2 J**	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	4/21/2009	ND<2.0	ND<2.0	ND<2.0	**0.38 J**	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
MW-607	10/5/2005	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<5.0	ND<1.0	ND<1.0	**1.2**	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	**1.7**	**74**	NA
	2/14/2006	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**1.0 J**	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<1.0	**2.1**	**57**	NA
	8/1/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	**120**	NA
	11/7/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	**77**	NA
	2/6/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	**130**	**2.8**
	5/8/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**2.3 J**	**110**	NA
	8/7/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	**1.2 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**4.0 J**	**120**	NA
	11/5/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	**0.99 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**3.1 J**	**140**	NA
	2/4/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	**0.45 J**	ND<2.0	**1.3 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**5.6**	**230**	NA
W-14A	2/12/2008	ND<2.0	ND<2.0	**15**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	1/13/2009	ND<2.0	ND<2.0	**2.0**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	**6.7 J**	NA
	4/21/2009	ND<2.0	ND<2.0	**14**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**0.47 J**	**8.1 ID, J**	NA
W-14B	2/12/2008	ND<2.0	ND<2.0	**2.2**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	1/13/2009	ND<2.0	ND<2.0	**28**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
	4/21/2009	ND<2.0	ND<2.0	**81**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	ND<50	NA
W-14C	2/12/2008	ND<2.0	ND<2.0	**44**	ND<5.0	ND<10	ND<2.0	ND<2.0	**0.58 J**	ND<2.0	ND<2.0	ND<4.0	**0.53 J**	ND<5.0	ND<5.0	ND<50	NA
	1/14/2009	ND<2.0	ND<2.0	**30**	ND<5.0	ND<10	ND<2.0	ND<2.0	**0.89 J**	ND<2.0	ND<2.0	ND<4.0	**0.56 J**	ND<5.0	ND<5.0	ND<50	NA
	4/21/2009	ND<2.0	ND<2.0	**20**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	**0.27 J**	ND<5.0	ND<5.0	**10 ID, J**	NA
W-15A	2/11/2008	**4.9 J**	ND<20	ND<20	ND<50	ND<100	ND<20	ND<20	ND<50	**11 J**	ND<20	**11 J**	ND<50	ND<50	**650**	**120 J**	NA
	1/14/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**190**	**170**	NA
	4/24/2009	ND<4.0	ND<4.0	ND<4.0	ND<10	ND<20	ND<4.0	ND<4.0	ND<10	ND<4.0	ND<4.0	ND<8.0	ND<10	ND<10	**220**	**220**	NA
W-15B	2/11/2008	ND<20	ND<20	ND<20	ND<50	ND<100	ND<20	ND<20	ND<50	**7.0 J**	ND<20	**7.0 J**	ND<50	ND<50	**20 J**	**110 J**	NA
	1/14/2009	**0.99 J**	ND<2.0	ND<2.0	ND<5.0	ND<10	**0.37 J**	**0.79 J**	ND<5.0	**5.0**	**0.70 J**	**5.7**	ND<5.0	ND<5.0	**20**	**110**	NA
	4/24/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	**5.8**	**98**	NA
W-15C	2/11/2008	**0.57 J**	ND<2.0	**0.51 J**	ND<5.0	ND<10	ND<2.0	ND<2.0	**0.34 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	**18 J**	NA
	1/15/2009	ND<2.0	ND<2.0	**3.2**	ND<5.0	ND<10	ND<2.0	ND<2.0	**0.90 J**	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	**27 J**	NA
	4/24/2009	ND<2.0	ND<2.0	**0.55 J**	ND<5.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<4.0	ND<5.0	ND<5.0	ND<5.0	**25 J**	NA

NOTES:

All concentrations reported in microgram(s) per l ter µg/L)
ID analyte qual tatively identified based on its retention time and the presence of a single mass ion due to its low levels in the sample.
J estimated concentration below reporting limit
M2 MS and/or MSD below the acceptance limits due to sample matrix interference.
NA not analyzed
ND< not detected above the laboratory reporting limit shown

NS not sampled
QP1 hydrocarbon result partly due to individual peak(s) in quantitation range
TPHg total petroleum hydrocarbons as gasoline
Z9 surrogate recovery not calculated due to matrix interference
ZX due to sample matrix effects, the surrogate recovery was outside of acceptance limits
1. 2-Chlorotoluene was not detected above respective detection lim ts until January 2009.

TABLE D3-A
HISTORICAL GROUNDWATER DATA
INTRINSIC BIOREMEDIATION PARAMETER RESULTS (PREVIOUS CONSULTANTS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	Total Heterotrophic Bacteria (cfu/mL)	Pseudomonas Bacteria (MPN/100)	Methane (mg/L)	Ferrous Iron (mg/L)	Alkalinity (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
MW-104A	7/22/1999	520	ND	NS	0.2	851	ND<0.050	45
	1/13/2000	ND	ND	0.322	0.88	849	ND<0.10	35
	8/3/2000	640	11	NS	0.93	798	ND<0.10	59
	2/7/2001	4400	ND<1	0.289	0.2	790	ND<0.10	98
	5/7/2002	NS	NS	0.257	3	720	ND<0.10	150
	9/24/2002	NS	NS	0.229	0.22	650	ND<0.10	250
MW-205	7/22/1999	100	ND	NS	0.5	648	ND<0.050	249
	1/11/2000	40	ND	2.24	0.95	771	ND<0.10	35
	8/3/2000	2200	36	NS	ND<0.10	794	ND<0.10	51
	2/7/2001	5600	ND<1	0.033	ND<0.10	740	ND<0.10	116
	5/8/2002	NS	NS	0.228	ND<0.10	610	ND<0.10	360
	9/23/2002	NS	NS	1.39	0.19	780	ND<0.10	64
MW-502	7/23/1999	28000	ND	NS	5.5	808	ND<0.050	ND<2
	1/13/2000	14000	ND	15.4	1.4	828	ND<0.10	4
	8/2/2000	10	ND<1	NS	0.85	834	ND<0.10	ND<2
	2/7/2001	24000	ND<1	0.984	0.7	840	ND<0.10	2
	5/9/2002	NS	NS	7.05	0.75	830	ND<0.10	ND<1.0
	9/23/2002	NS	NS	5.83	ND<0.10	850	ND<0.10	ND<1.0
MW-605	7/20/1999	40	ND	NS	ND<0.10	467	4.13	200
	1/11/2000	18	ND	NS	ND<0.10	486	5.2	181
	8/2/2000	ND<1	ND<1	NS	ND<0.10	530	5.8	203
	2/7/2001	1600	ND<1	NS	ND<0.10	510	7	164
	5/7/2002	NS	NS	ND<0.0010	ND<0.10	480	8.4	220
	9/24/2002	NS	NS	ND<0.0010	ND<0.10	490	8.3	220
MW-606	7/20/1999	72	ND	NS	ND<0.10	400	7.94	177
	1/11/2000	2.0	ND	NS	ND<0.10	390	8.6	236
	8/2/2000	ND<1	ND<1	NS	ND<0.10	406	8.8	260
	2/7/2001	3300	ND<1	ND<0.001	ND<0.10	390	9	261
	5/7/2002	NS	NS	ND<0.0010	ND<0.10	400	8.4	250
	9/24/2002	NS	NS	ND<0.0010	ND<0.10	390	8.6	280

NOTES

ND< = Not detected above the laboratory reporting limit shown

cfu/mL = colony forming units per milliliter

MPN/100 = most probable number of bacteria per 100 milliliters of sample

mg/L = milligram(s) per liter

NS = not sampled

ND = bacteria were not detected

Duplicate sample data are shown in parentheses

Data table created from the following reports: *Semi-Annual Groundwater Monitoring Report: February 2001 Monitoring Event*, by Versar, Inc., dated June 6, 2001, and *Semi-Annual Groundwater Monitoring Report: September 2002 Monitoring Event*, by TRC, dated December 9, 2002.

TABLE D3-B
HISTORICAL GROUNDWATER DATA
INTRINSIC BIOREMEDIATION PARAMETER RESULTS (ARCADIS)

FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Well ID	Date	Methane (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Alkalinity (mg/L)	Ferrous Iron (mg/L)
MW-104A	10/7/2005	0.0695	ND<0.10	89	570	ND<0.10
	2/15/2006	0.059	ND<0.44	56.3	803	ND<0.10
	8/1/2006	Well temporarily capped/covered below ground surface for temporary roadway. Well reconstructed in January 2007.				
	11/7/2006	Well temporarily capped/covered below ground surface for temporary roadway. Well reconstructed in January 2007.				
	2/7/2007	ND<0.050	1.2	57	500	ND<0.10
	5/8/2007	ND<0.050	ND<0.11	30	810	0.10
	8/8/2007	0.015	ND<0.11	72	820	0.20
	11/5/2007	0.018	ND<0.11	120	720	0.10
	2/4/2008	0.026	ND<0.22	160	750	ND<0.10
	1/16/2009	0.0015	0.42	150	630	0.10
	4/22/2009	0.0099	ND<0.11	120	740	0.20
MW-205	10/6/2005	3.330	ND<0.10	63	3600	0.44
	2/15/2006	1.036	ND<0.44	341	630	ND<0.10
	8/2/2006	8.1	ND<0.15	430	610	0.30
	11/8/2006	1.5	ND<0.11	470	530	0.60
	2/7/2007	0.22	ND<0.11	420	620	ND<0.1
	5/9/2007	0.25	ND<0.11	430	540	0.20
	8/8/2007	1.5	ND<0.11	410	580	2.0
	11/6/2007	1.0	ND<0.11	270	650	2.0
	2/5/2008	0.56	ND<0.11	200	730	0.1
	1/19/2009	0.085	ND<0.11	290	620	2.0
	4/22/2009	0.34	ND<0.11	280	660	1.0
MW-503B	10/5/2005	1.380	ND<0.10	24	730	ND<0.10
	2/14/2006	0.581	ND<0.44	36.5	713	ND<0.10
	8/4/2006	1.2	ND<0.15	58	700	0.20
	11/10/2006	1.7	ND<0.11	66	560	0.10
	2/9/2007	0.62	ND<0.11	150	680	ND<0.10
	5/11/2007	0.25	ND<0.11	170	660	0.20
	8/10/2007	0.85	ND<0.11	52	680	0.20
	11/8/2007	1.3	ND<0.11	36	790	0.50
	2/11/2008	1.2	ND<0.11	78	680	0.40
	1/21/2009	0.16	ND<0.11	4.4	700	1.0
	4/27/2009	0.60	ND<0.11	7.4	780	1.0
MW-605	10/5/2005	0.00125 (ND<0.00100)	8.3 (8.3)	180 (170)	500 (500)	ND<0.10 (ND<0.10)
	2/14/2006	ND<0.005 (ND<0.005)	38.2 (37.8)	182 (184)	450 (460)	ND<0.10 (ND<0.10)
	8/1/2006	ND<0.050 (ND<0.050)	8.6 (8.6)	230 (230)	460 (460)	ND<0.10 (ND<0.10)
	11/7/2006	ND<0.050 (ND<0.050)	7.2 (6.6)	200 (200)	460 (470)	ND<0.10 (ND<0.10)
	2/6/2007	ND<0.050 (ND<0.050)	6.5 (6.5)	210 (210)	470 (480)	ND<0.10 (ND<0.10)
	5/8/2007	ND<0.050 (ND<0.050)	5.5 (5.5)	220 (220)	430 (440)	ND<0.10 (ND<0.10)
	8/7/2007	ND<0.0010 (ND<0.0010)	6.6 (6.5)	190 (190)	420 (440)	ND<0.10 (ND<0.10)
	11/5/2007	0.0026 (ND<0.0010)	5.9 (6.0)	190 (190)	420 (420)	0.10 (0.10)
	2/4/2008	ND<0.0010 (0.0013)	6.5 (6.7)	190 (210)	380 (430)	ND<0.10 (ND<0.10)
MW-606	10/5/2005	0.178	3.0	170	540	ND<0.10
	2/14/2006	ND<0.005	34.0	334	400	ND<0.10
	8/1/2006	ND<0.050	7.8	340	370	ND<0.10
	11/7/2006	ND<0.050	7.9	280	400	ND<0.10
	2/6/2007	ND<0.050	9.3	300	370	ND<0.10
	5/8/2007	ND<0.050	8.1	260	360	ND<0.10
	8/7/2007	0.0024	6.6	240	400	ND<0.10
	11/5/2007	0.00056 J	2.1	170	380	ND<0.10
	2/4/2008	ND<0.0010	0.7	160	370	ND<0.10
	1/13/2009	ND<0.0010	2.9	210	380	ND<0.10
	4/21/2009	0.00060 J	0.49	150	430	ND<0.10

NOTES
ND< = Not detected above the laboratory reporting limit shown
mg/L = milligram(s) per liter
NS = not sampled
J = estimated concentration below reporting limit
Duplicate sample data are shown in parentheses