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Lehigh Hanson West Region

Third Quarter 2010 Air Injection System and Groundwater Monitoring Report

Hanson Aggregates Mission Valley Rock
Facility, 7999 Athenour Way
Sunol, Alameda County, California
(SLIC Case #RO0000207 and
GeoTracker ID T0600102092)

November 15, 2010

Hanson
HEIDELBERGCEMENT Group
Hanson Aggregates West Region
12667 Alcosta Blvd., Suite 400
San Ramon, CA 94583

November 15, 2010

Mr. Jerry Wickham
Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Third Quarter 2010 Air Injection System and Groundwater Monitoring Report, Hanson Aggregates Mission Valley Rock Facility, 7999 Athenour Way, Sunol, Alameda County, California (SLIC Case #RO0000207 and GeoTracker ID T0600102092)**

Dear Mr. Wickham:

The attached Third Quarter 2010 Air Injection System and Groundwater Monitoring Report was prepared by ARCADIS U.S., Inc. (ARCADIS) on behalf of Lehigh Hanson West Region ("Hanson") for the asphalt plant area of the Hanson Aggregates Former Mission Valley Rock Facility, located at 7999 Athenour Way, Sunol, California ("the Site"). This report summarizes the results from groundwater monitoring conducted during the third quarter of 2010 (July 1 through September 30, 2010; "the current quarter") in the asphalt plant area of the Site. This report also provides a summary of air injection system (AIS) performance monitoring and routine operation and maintenance activities conducted during the current quarter.

In the "First Quarter 2010 Air Injection System and Groundwater Monitoring Report," dated May 17, 2010, Hanson recommended that the AIS be shut down to allow for an evaluation of potential rebound. In a letter dated July 7, 2010, Alameda County Environmental Health stated that it had no objection to shutting down the AIS coupled with the continuation of groundwater monitoring to assess the potential occurrence and magnitude of rebound in site groundwater of dissolved TPH and TPH-related compounds. In response to the July 7, 2010 letter, the AIS was shut down on July 15, 2010 and will remain down while the rebound of TPH and TPH-related compounds in site groundwater is assessed.

In summary, the findings of this report indicate that the AIS was effective at reducing total petroleum hydrocarbon (TPH) concentrations in the vicinity of the AIS. The current quarter's analytical results for most wells revealed lower concentrations of TPH and TPH-related compounds than were found in their most recent previous sample. This short-term data trend is an indicator that there has not been a rebound of contaminants of concern to date as a result of shutting down the AIS. The next routine groundwater monitoring event is scheduled to be conducted during the fourth quarter of 2010 and will consist of sampling the 26 wells site-wide.

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

If you have any questions or comments concerning this report, please call me at (925) 244-6584 or Ron Goloubow of ARCADIS at (510) 596-9550.

Sincerely,

Lee W. Cover
Environmental Manager
Lehigh Hanson West Region

Attachment

ARCADIS

E. Max MacLeod, P.E.
Project Engineer

Ron Goloubow, P.G.
Principal Geologist

Third Quarter 2010 Air Injection System and Groundwater Monitoring Report

Hanson Aggregates Mission Valley Rock Facility,
7999 Athenour Way, Sunol,
Alameda County, California
(SLIC Case #RO0000207 and GeoTracker ID T0600102092)

Prepared for:
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Our Ref.:
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Date:
November 15, 2010

Tables

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ARCADIS

Certification

ARCADIS U.S., Inc., has prepared this Air Sparge System and Groundwater Monitoring Report on behalf of Lehigh Hanson West Region in a manner consistent with the level of care and skill ordinarily exercised by professional engineers and geologists.

This report was prepared under the technical direction of the undersigned California Professional Engineer and California Professional Geologist.*

REGISTERED PROFESSIONAL ENGINEER
E. (Max) MacLeod
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November 15, 2010

E. Max MacLeod, P.E. — Date
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November 15, 2010

Ron Goloubow, P.G. — Date
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* A registered geologist's or registered engineer's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility

Executive Summary

This Groundwater Monitoring Report presents the results of groundwater monitoring conducted in the asphalt plant area of the aggregate mining facility located at 7999 Athenour Way in Sunol, Alameda County, California ("the Site") during the period from July 1 through September 30, 2010 ("the current quarter"). This report also presents a summary of the air injection system (AIS) operation, its shutdown, and a brief evaluation of early signs of whether or not "rebound" of contaminant concentrations is occurring in surrounding monitoring wells since the shutdown of the AIS. All groundwater monitoring and AIS operation and maintenance activities were conducted by ARCADIS U.S., Inc. (ARCADIS) on behalf of Lehigh Hanson West Region ("Hanson").

The AIS system was shut down on July 15, 2010 after Hanson received a letter dated July 7, 2010 ("the July 7 letter") from Alameda County Environmental Health (ACEH) indicating that they "had no objection" to terminating operation of the system. The AIS had been in operation since April 6, 2009, during which time it demonstrated effectiveness in reducing the concentrations of petroleum hydrocarbons in samples collected from well within approximately 30 feet of the air injection wells. In the July 7 letter, ACEH requested that monitoring and sampling be continued on the existing schedule, and that the data collected during these events "*be used to assess whether active remediation in the source area has been effective at reducing concentration over the long term and whether site-wide concentrations are stable or decreasing.*"

Total petroleum hydrocarbons (TPH) as diesel (TPHd) and as gasoline (TPHg) and methyl tertiary-butyl ether (MTBE) are the primary compounds of potential concern at the Site. Considering all historical data, concentrations of these compounds throughout the Site generally are decreasing or stable, with few exceptions. Benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) were detected in five of 29 samples during the current quarter.

In samples from the current quarter, the trend in concentrations of petroleum hydrocarbons is sharply downward with few exceptions. For wells with detectable concentrations of TPHd, the current quarter's analytical result was lower than that of the most recent previous sample in 18 of 20 samples. For wells with detectable concentrations of TPHg, the current quarter's analytical result was lower than that of the most recent previous sample in eight of 13 samples. For wells with detectable concentrations of MTBE, the current quarter's analytical result was lower than that of the most recent previous sample in nine of 16 samples, and the same in two of the

16 samples. Moreover, sample results were below the laboratory reporting limit for TPHd in 10 of 29 samples, below the laboratory reporting limit for TPHg in 16 of 29 samples, and below the laboratory reporting limit for 13 of 29 MTBE samples.

1. Introduction

ARCADIS U.S., Inc. (ARCADIS) has prepared this "Third Quarter 2010 Air Injection System and Groundwater Monitoring Report" on behalf of Lehigh Hanson West Region ("Hanson") for the asphalt plant area of the aggregate mining facility located at 7999 Athenour Way in Sunol, Alameda County, California ("the Site"; Figure 1). This report presents a summary of groundwater monitoring results and air injection system (AIS) operation and maintenance (O&M) activities for the quarterly monitoring period from July 1 through September 30, 2010 ("the current quarter").

On July 15, 2010, the AIS was shut down and its operation was terminated. The basis for shutting down the AIS was a letter from Alameda County Environmental Health (ACEH) dated July 7, 2010, in which ACEH indicated that it *"had no objection"* to terminating operation of the AIS as had been previously requested by ARCADIS. The letter also requested the continuance of *"groundwater monitoring to assess possible rebound effects."*

As requested by ACEH, routine groundwater monitoring of select wells located in the vicinity of the AIS is conducted on a quarterly basis (to monitor AIS performance and currently to evaluate potential contaminant concentration rebound), and routine groundwater monitoring of all site wells is conducted on a semiannual basis during the first and third quarters. This monitoring report presents the results of the routine groundwater monitoring and sampling of all site wells conducted on a semiannual basis during the current quarter.

2. Air Injection System Operation

The dormant AIS was installed during January and February 2008 as part of a field pilot study to test the effectiveness of injecting air into the subsurface to enhance the natural biodegradation of petroleum hydrocarbons (LFR 2008a). The AIS was shut down on July 15, 2010, approximately 10½ weeks before the September 27 through September 30 groundwater monitoring and sampling field event. During the time that the system was operational, it ran constantly and delivered approximately 120 pounds of oxygen per day to groundwater as a means of accelerating the natural biodegradation of petroleum hydrocarbons that have affected groundwater beneath the Site. Injection wells OXY-1D and OXY-1LF are located in the vicinity of well cluster MW-9 where historically the highest concentrations of total petroleum hydrocarbons (TPH) have been detected in groundwater. A description of the AIS design, installation, and construction was provided in the "Air Injection System Installation, Start-up, and

First Quarter Operations Report" (LFR 2009). Additionally, the quarterly groundwater monitoring and sampling reports since AIS start-up contain operational details for the system, including injection flow rates, sequencing, and routine operations and maintenance information.

3. Groundwater Monitoring

The routine groundwater monitoring event conducted during the current quarter consisted of measuring depth to groundwater in 26 monitoring wells and purging and sampling 29 monitoring and injection wells on September 27 through 30, 2010. The wells monitored included 26 groundwater monitoring wells (designated by "MW" and the well number) and the three air injection wells (designated by "OXY" and the well number; Figure 2). Groundwater monitoring results from the current quarter are summarized in Tables 1 and 2 and are presented on Figures 3 through 8. Historical groundwater monitoring data are presented in summary tables in Appendix A. Certified analytical reports and field sheets from groundwater monitoring conducted during the current quarter are included in Appendices B and C, respectively.

3.1 Methodology

3.1.1 Groundwater Elevation Monitoring

Depth to groundwater was measured in the 26 groundwater monitoring wells on September 27, 2010. Depth to groundwater was not monitored in the three injection wells.

The depth to groundwater was measured relative to the top of casing (TOC) using a Solinst water-level indicator, and measurements were recorded on field sheets. Groundwater elevations were calculated by subtracting the depth-to-groundwater measurement from the TOC elevation. Groundwater elevation data for the current quarter are presented in Table 1 and included in the historical data table presented in Appendix A.

3.1.2 Groundwater Well Purging and Sampling

The 29 monitoring and injection wells were sampled during the current quarter on September 27 through 30, 2010. All wells were purged and sampled using "low-flow" sampling protocols to minimize the drawdown during purging, including using an electrical peristaltic pump and dedicated flexible tubing. Water-quality parameters,

including temperature, pH, electrical conductivity, dissolved oxygen (DO), and oxidation-reduction potential (ORP), were monitored during well purging using an in-line water-quality monitoring device, and parameters were recorded on field sheets. Groundwater samples were collected after general water-quality parameters stabilized for three successive readings to approximately within the standard criteria for pH (±0.1 standard units), electrical conductivity (±3%), DO (±10%), and ORP (±10 millivolts). The final stabilized general water-quality readings were recorded immediately prior to sample collection. Additionally, prior to sample collection for laboratory analyses, all wells were field analyzed for ferrous iron concentrations. A summary of general water-quality parameters, including ferrous iron concentrations measured during monitoring events conducted approximately since the pilot study was completed in early 2008, is included in Appendix A.

Groundwater samples for laboratory analyses were collected into clean, laboratory-provided sample containers using the low-flow pump. Containers were properly labeled and transported in ice-chilled coolers under standard chain-of-custody protocol to the analytical laboratories. Field duplicate samples were collected daily, at wells MW-1, MW-4S, MW-5S, and MW-8, and submitted to the laboratory for quality control purposes.

3.1.3 Groundwater Sample Analyses

As noted above, all groundwater samples were analyzed in the field for the general water-quality field parameters and for ferrous iron. Groundwater samples for laboratory analyses were collected and submitted to TestAmerica Laboratories, Inc., a California state-certified analytical laboratory located in Pleasanton, California, and were analyzed for the following parameters:

- TPH as diesel (TPHd) by U.S. Environmental Protection Agency (EPA) Method 8015B
- TPH as gasoline (TPHg) by EPA Method 8260B
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8260B
- Methyl tertiary-butyl ether (MTBE) by EPA Method 8260B

3.2 Groundwater Monitoring Results

Groundwater elevations and analytical results for the current quarter are summarized in Tables 1 and 2 and presented on Figures 3 through 8. Historical groundwater elevation and analytical results are presented in Tables A-1 and A-2 of Appendix A.

3.2.1 Groundwater Elevation Monitoring Results

Groundwater elevation contour maps were prepared for three intervals, the shallow interval (Figure 3), the deep interval (Figure 4), and the Livermore Formation (Figure 5). Based on the interpreted groundwater contours, the local groundwater flow direction was approximately to the southeast in wells completed in the shallow and deep intervals, and approximately to the east in wells completed in the Livermore Formation (note that the general groundwater flow direction for the Livermore Formation is based on groundwater elevation data from only four monitoring wells). These results are consistent with groundwater flow directions observed during previous monitoring events, and continue to be inconsistent with the regional groundwater flow direction, which is presumed to be toward the northwest, based on the general surface topography in the vicinity of the Site. The hydraulic gradient for each of the three intervals was approximately 0.015 in the shallow interval, approximately 0.02 in the deep interval, and approximately 0.017 in the Livermore Formation. These values are consistent with results from previous groundwater monitoring events.

3.2.2 Analytical Results of Petroleum Hydrocarbons and Related Compounds

The primary TPH and TPH-related compounds detected in groundwater samples collected at this Site continue to be TPHd, TPHg, and MTBE. Analytical results for TPHd, TPHg, and MTBE are presented on Figures 6 through 8 for the shallow interval, the deep interval, and the Livermore Formation, respectively. Analytical results were compared to the Environmental Screening Levels (ESLs) published by the San Francisco Bay Regional Water Quality Control Board (RWQCB) for groundwater beneath residential land use areas where groundwater is a current or potential source of drinking water (RWQCB 2008). Results that exceed the ESLs are highlighted in Table 2.

The following sections discuss concentrations and concentration trends of TPH and TPH-related compounds in the current quarter in each of the three hydrological zones (shallow, deep, and Livermore Formation) of the Site. The most notable site-wide trend in concentrations of TPH and TPH-related compounds in groundwater for the current

quarter is a decrease in the number of samples collected that contained TPHd above laboratory reporting limits, and the reduction in the concentrations of TPHd detected in samples collected during this monitoring period.

3.2.2.1 Analytical Results for Wells Screened in the Shallow Zone

The following table summarizes changes to TPHd, TPHg, and MTBE concentrations in wells screened in the shallow zone when compared with the most recent previous sampling event in shallow-zone monitoring wells. The 13 shallow-zone wells include MW-1, MW-2S, MW-3, MW-4S, MW- 5S, MW-6S, MW-7S, MW-8, MW-9S, MW-10S, MW-11S, MW-12S, and OXY-1S. June 2010 was the most recent sampling event for shallow wells MW-1, MW-7S, MW-8, MW-9S, and OXY-1S. For all other shallow-zone wells, the most recent sampling event was March 2010.

TPHd, TPHg, and MTBE Concentration Trends in Shallow-Zone Monitoring Wells

Shallow-Zone TPHd					
Wells With an Increase in TPHd Concentration		Wells With a Decrease in TPHd Concentration		Wells With No Change in TPHd Concentration (all ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
None	0	MW-2S, MW-3, MW-5S, MW-6S, MW-7S, MW-10S, and MW-11S	7	MW-1, MW-4S, MW-8, MW-9S, MW-12S, and OXY-1S	6
Shallow-Zone TPHg					
Wells With an Increase in TPHg Concentration		Wells With a Decrease in TPHg Concentration		Wells With No Change in TPHg Concentration (all ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
MW-1, MW-3, MW-6S	3	MW-2S, MW-7S, and MW-10S	2	MW-4S, MW-5S, MW-8, MW-9S, MW-10S, MW-11S, MW-12S, and OXY-1S	8
Shallow-Zone MTBE					
Wells With an Increase in MTBE Concentration		Wells With a Decrease in MTBE Concentration		Wells With No Change in MTBE (MW-11S = 3.3 µg/L, all others ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
MW-2S, MW-3, and MW-5S	3	MW-6S and MW-12S	2	MW-1, MW-4S, MW-7S, MW- 8, MW-9S, MW-10S, MW-11S, and OXY-1S	8

TPHd

Analytical results for the current quarter indicate that TPHd was not detected above laboratory reporting limits in samples collected from nine of the 13 shallow-zone wells. Of the four samples collected from wells that contained TPHd above laboratory reporting limits (MW-2S, MW-3, MW-6S, and MW-7S), all had concentrations that were lower than the concentration detected in the most recent previous sample collected from the same well. The highest concentration of TPHd in samples from the shallow zone was in the sample from MW-2S (1,200 micrograms per liter [µg/L]), and it represents a reduction of one order of magnitude from the most recent previous sample from MW-2S (12,000 µg/L in March 2010).

TPHg

Analytical results from the shallow-zone wells in the current quarter indicate that TPHg was not detected above laboratory reporting limits in samples collected from eight of the 13 shallow-zone wells. Of the five samples collected from wells that contained TPHg above laboratory reporting limits (MW-1, MW-2S, MW-3, MW-6S, and MW-7S), three contained concentrations of TPHg that were higher than in the most recent previous sample from the same well (MW-1, MW-3, and MW-6S), while two contained TPHg concentrations that were lower (MW-2S and MW-7S). The highest concentration of TPHg detected in samples collected from wells completed in the shallow zone was from well MW-7S. The largest increase in TPHg concentration in shallow-zone samples (both as a percentage and as a difference) was observed in the sample collected from well MW-6S, which increased from 270 µg/L (in March 2010) to 470 µg/L in the current quarter. This TPHg concentration for the sample collected from well MW-6S also represents the highest concentration of TPHg detected in samples collected from wells completed in the shallow zone for the current quarter. The largest decrease in TPHg concentration in shallow-zone samples (both as a percentage and as a difference) was from well MW-9S, which decreased from 900 µg/L (in June 2010) to 430 µg/L in the current quarter.

MTBE

Analytical results from samples collected from the 13 shallow-zone wells in the current quarter indicate that MTBE was not detected in samples from eight of the 13 shallow-zone wells. Of the five wells that contained a concentration of MTBE above laboratory reporting limits (MW-2S, MW-3, MW-5S, MW-6S, and MW-11S), three had concentrations of MTBE that were higher than in the most recent previous sample from

the same well (MW-2S, MW-3, and MW-5S), one had an MTBE concentration that was lower (MW-6S), and one (MW-11S) had the same MTBE concentration in the current quarter (3.3 µg/L) as in its most recent sample (from March 2010). None of the increases in MTBE concentration in shallow-zone samples was greater than 4 µg/L (in MW-3, which increased from 44 µg/L in March 2010 to 48 µg/L in the current quarter). The 48 µg/L of MTBE in MW-3 also represented its highest concentration in the shallow zone for the current quarter.

Shallow-Zone Analytical Results Summary

- Concentrations of the primary TPH and TPH-related compounds in the shallow zone show a downward trend over the long term (years) as well as over the short term (from the most recent previous sampling event to the current quarter; see Table A-2).

- Most TPH and TPH-related compounds are below their respective reporting limits for a majority of wells in the shallow zone.

3.2.2.2 Analytical Results for Wells Screened in the Deep Zone

The following table summarizes changes to TPHd, TPHg, and MTBE concentrations in groundwater samples collected from wells screened in the deep zone when compared with the most recent previous analytical results for deep-zone monitoring wells. The 11 deep-zone wells include MW-2M, MW-2D, MW-4D, MW-5D, MW-6D, MW-7D, MW-9D, MW-10D, MW-11D, MW-12D, and OXY-1D. June 2010 was the most recent sampling event for deep-zone wells MW-7D, MW-9D, and OXY-1D. For all other deep-zone wells, the most recent sampling event was March 2010.

TPHd, TPHg, and MTBE Concentration Trends in Deep-Zone Monitoring Wells					
Deep-Zone TPHd					
Wells With an Increase in TPHd Concentration		Wells With a Decrease in TPHd Concentration		Wells With No Change in TPHd Concentration (all ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
MW-11D	1	MW-2M, MW-2D, MW-4D, MW-5D, MW-6D, MW-7D, MW-9D, MW-10D, MW-12D, and OXY-1D	10	none	0

Deep-Zone TPHg					
Wells With an Increase in TPHg Concentration		Wells With a Decrease in TPHg Concentration		Wells With No Change in TPHg Concentration (all ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
MW-10D and MW-11D	2	MW-2M, MW-2D, MW6D, MW-7D, and MW-9D	5	MW-4D, MW-5D, MW-12D, and OXY-1D	4
Deep-Zone MTBE					
Wells With an Increase in MTBE Concentration		Wells With a Decrease in MTBE Concentration		Wells With No Change in MTBE (MW-11S = 3.3 µg/L, all others ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
MW-4D, MW-9D, MW-10D, and OXY-1D	4	MW-5D and MW-11D	2	MW-2M, MW-2D, MW-6D, MW-7D, and MW-12D	5

TPHd

Analytical results for groundwater samples collected during the current quarter from the 11 deep-zone wells (MW-2M, MW-2D, MW-4D, MW-5D, MW-6D, MW-7D, MW-9D, MW-10D, MW-11D, MW-12D, and OXY-1D) indicate that TPHd was detected above laboratory reporting limits in all samples. Concentrations of TPHd detected in 10 of the 11 samples were lower in the current quarter relative to the concentrations detected in the most recent previous sample collected from the same well.

However, the sample with a higher concentration of TPHd than its corresponding most recent previous sample was MW-11D, which had a TPHd concentration of 47,000 µg/L (compared with 6,700 µg/L in March of 2010). While this value is not the highest of the historical values for TPHd in this well, it represents the highest concentration of any TPH or TPH-related compound in any of the samples collected in the current quarter. The field person that sampled this well noted that there was what appeared to be petroleum hydrocarbon product on the depth-to-water probe when it was retrieved from the well, indicating that there may be separate-phase product in the area of this well in the deep interval.

TPHg

Analytical results from the samples collected from deep-zone wells during the current quarter indicate that TPHg was not detected above laboratory reporting limits in samples collected from five of the 11 deep-zone wells (MW4D, MW-5D, MW-6D, MW-12D, and OXY-1D), samples collected from two wells contained higher concentrations of TPHg relative to the most recent previous samples collected from the same well (wells MW-10D and MW-11D), and five samples contained TPHg at concentrations that were lower than in the most recent previous sample from the same well (wells MW-2M, MW-2D, MW-6D, MW-7D, and MW-9D). The highest concentration of TPHg was detected in the sample collected from deep-zone well MW-7D (13,000 µg/L). The largest decrease (both as a percentage and as a difference) in TPHg concentration was observed in the samples collected from deep-zone well MW-9D, which decreased from 5,200 µg/L (in June 2010) to 320 µg/L in the current quarter.

MTBE

Analytical results from the 11 deep-zone wells in the current quarter indicate that MTBE was not detected above laboratory reporting limits in samples from four of the 11 deep-zone wells (MW-4D, MW-9D, MW-11D, and OXY-1D). Of the samples collected from seven wells with detections of MTBE above laboratory reporting limits (MW-2M, MW-2D, MW-5D, MW-6D, MW-7d, MW-11D, and MW-12D), two contained concentrations of MTBE that were higher than in the most recent previous sample from the same well (MW-5D and MW-11D), and five samples contained MTBE concentrations that were lower than in the most recent previous sample (MW-2M, MW-2D, MW-6D, MW-7D, and MW-12D). None of the increases in MTBE concentration in samples collected from wells completed in the deep zone were greater than 4 µg/L (in MW-3, which increased from 44 µg/L in March 2010 to 48 µg/L in the current quarter; this also represented the highest MTBE concentration in the deep zone for the current quarter).

Deep-Zone Analytical Results Summary

- As has been the case in previous quarters, the deep-zone wells have the highest concentrations of TPH and TPH-related compounds at the Site.

- TPHd concentrations decreased in 10 of 11 deep-zone wells, indicating that there is no sign of post-AIS rebound in the deep zone.

- TPHg concentrations in MW-7D remain at a high level (13,000 µg/L), similar to levels detected in the past 12 sampling events.

- TPHd concentrations in samples collected from well MW-11D remain very high, although not as high as in some previous quarters (see Table A-2), and field staff noted what appeared to be free product on the water level gauge. In general, the analytical results for the samples collected during this monitoring period are consistent with the analytical results for samples previously collected from this well (see Table A-2).

3.2.2.3 Analytical Results for Wells Screened in the Livermore Formation

The following table summarizes changes to TPHd, TPHg, and MTBE concentrations detected in samples collected from wells screened in the Livermore Formation when compared with the most recent previous analytical results for Livermore Formation monitoring wells. The five Livermore Formation wells include MW-9LF, MW-10LF, MW-11LF, MW-12LF, and OXY-1LF. June 2010 was the most recent sampling event for Livermore Formation wells MW-9LF, MW-9D, and OXY-1D. For all other Livermore Formation wells, the most recent sampling event was March 2010.

TPHd, TPHg, and MTBE Concentration Trends in Deep Zone Monitoring Wells					
Livermore Formation Zone TPHd					
Wells With an Increase in TPHd Concentration		Wells With a Decrease in TPHd Concentration		Wells With No Change in TPHd Concentration (all ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
None	0	MW-10LF and MW-11LF	2	MW-9LF, MW-12LF, and OXY-1LF	3
Livermore Formation Zone TPHg					
Wells With an Increase in TPHg Concentration		Wells With a Decrease in TPHg Concentration		Wells With No Change in TPHg Concentration (all ND)	
Wells	# of Wells	Wells	# of Wells	Wells	# of Wells
None	0	MW-10LF	1	MW-9LF, MW-11LF, MW 12LF, and OXY-1LF	4

Livermore Formation Zone MTBE					
Wells With an Increase in MTBE Concentration		Wells With a Decrease in MTBE Concentration		Wells With No Change in MTBE Concentration (all ND except MW-11LF = 110 µg/L)	
Wells	# of Wells		# of Wells	Wells	# of Wells
None	0	MW-10LF and MW-12LF	2	MW-9LF, MW-11LF, and OXY-1LF	3

TPHd

Analytical results for samples collected during the current quarter from wells completed in the Livermore Formation indicate that TPHd was not detected in samples from any of the five wells screened in this zone.

TPHg

Analytical results for samples collected from wells completed in the Livermore Formation during the current quarter indicate that TPHg was detected in one sample (from well MW-10LF) at a concentration of 240 µg/L. Historically, samples collected from this well have contained concentrations of TPHg up to 860 µg/L (in May 2006), but the trend has been downward over time.

MTBE

The analytical result for the sample collected from well MW-11LF was 110 µg/L, which was identical to the result from the same well in the most recent previous sample (of March 2010). MTBE results for samples collected from well MW-11D have been very consistent over the years, with a high concentration of 260 µg/L and a low concentration of 86 µg/L from the 17 samples collected since May 2006. The other four Livermore Formation wells all had MTBE concentrations below 1 µg/L.

Livermore Formation Analytical Results Summary

- As has been the case in previous quarters, the samples collected from wells completed in the Livermore Formation have the lowest concentrations of TPH and TPH-related compounds at the Site.

- The two samples with the highest concentrations of TPH and TPH-related compounds were collected from wells MW-10LF (with TPHg concentrations up to 320 µg/L in March 2010) and MW-11LF (with consistent MTBE concentrations up to 260 µg/L in the past four years).

3.2.2.4 Analytical Results Summary and First Evaluation of Potential Post-Treatment Concentration Rebound

Historically, the highest concentrations were detected in the areas of wells MW-7, MW-9, and MW-11, and typically in the well from those clusters that is screened in the deep interval. In general, considering all historical analytical data, concentrations of petroleum hydrocarbons and related compounds have decreased or remained stable throughout the Site. In the area of well MW-9, which was identified as the primary source area and where the active remediation was conducted, concentrations have significantly decreased since the operation of the AIS began approximately a year and a half ago (April 2009), to below laboratory reporting limits for almost all compounds.

Sampling was conducted on September 27 through 30, approximately 10½ weeks after the shutdown of the AIS. The analytical results of the current quarter's sampling indicate that to date there is no evidence of rebound. The groundwater monitoring planned for the next quarter will be used to further assess whether the active remediation conducted in the source area has permanently enhanced the degradation of contaminants in the asphalt area of the plant.

3.2.3 Evidence of Free Product

Historically, measurable free product was detected only in former well MW-2 from the time the well was installed in 1998 until approximately 2002 (well MW-2 was abandoned in 2005). Elsewhere, the presence of free product has been observed occasionally as sheen (although no measurable free product was present), including during the drilling of well MW-9D and during well purging in wells MW-3 (1999), MW-9D (2007), and MW-11D (2007). Hydrocarbon odor continues to be noted occasionally during purging of wells. During the current quarter, field personnel reported a petroleum hydrocarbon-like liquid on the depth-to-water probe when it was retracted from wells MW-7S and MW-11D. Well MW-11D had the highest concentrations of TPHd in the current quarter. Residual free product may be present in certain areas of the Site and appears to be relatively immobile.

4. Conclusions and Recommendations

4.1 Conclusions

On July 15, 2010, the AIS was shut down and it has not operated since that day. Groundwater monitoring was conducted in late September. Results show that reduced concentrations have been achieved as a result of operating the AIS in the source area of the asphalt plant. The September sampling results indicate no rebound of contaminant concentrations in groundwater.

4.2 Proposed Changes to the Monitoring Program

4.2.1 Cessation of Annual Soil-Vapor Monitoring

In a departure from previous protocols established for monitoring during operation of the AIS, ARCADIS proposes that we no longer collect soil-vapor samples because the potential source for contaminated soil vapor (the AIS) has been removed from service. The data collected previously were of limited value, but did indicate that in some locations air injection led to increased petroleum hydrocarbon concentrations in soil vapor.

4.2.2 Recommended Sampling and Monitoring Schedule.

Based on the effectiveness of the AIS at reducing hydrocarbon concentrations, ARCADIS and Hanson recommend that the AIS be shut down and that groundwater be monitored as needed to assess for potential rebound effects. ACEH agreed with this approach in its July 7 letter to Mr. Cover of Hanson. In response, the AIS was shut down on July 15, 2010. The letter requested that the current monitoring and sampling plan be continued and requested periodic reporting to document the results of the monitoring and sampling program. ARCADIS will perform the monitoring, sampling, and reporting on behalf of and in consultation with Hanson.

The following table provides a summary of the existing groundwater monitoring and reporting schedule. The effects of shutting down the AIS on groundwater quality will be evaluated following the completion of the fourth quarter 2010 groundwater monitoring event. At that time, a recommendation will be made regarding the future operation of the AIS and periodic groundwater monitoring and reporting requirements for the Site.

Quarter	Water Level Monitoring	Groundwater Sampling Event	Reporting Schedule (report due date 45 days after end of the quarter)
4Q10 (October through December)	--	Site-wide: 26 monitoring wells and 3 injection wells	Data transmittal report (due February 15, 2011)

ARCADIS believes this proposed monitoring and sampling schedule provides sufficient opportunities to collect relevant data for groundwater at the Site.

5. Limitations Statement

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when ARCADIS' investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the Site may vary from those at the locations where data were collected. ARCADIS' ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in environmental investigation conclusions cannot reasonably be achieved.

ARCADIS, therefore, does not provide any guarantees, certifications, or warranties regarding any conclusions regarding environmental contamination of any such

property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

6. References

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Table 1
Groundwater Elevation Data - September 2010
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-1	258.68	9/27/10	3.43	255.25	ND
MW-2S	258.84	9/27/10	4.38	254.46	ND
MW-2M	258.99	9/27/10	4.61	254.38	ND
MW-2D	258.91	9/27/10	4.80	254.11	ND
MW-3	259.08	9/27/10	5.82	253.26	ND
MW-4S	259.14	9/27/10	4.94	254.20	ND
MW-4D	259.22	9/27/10	6.05	253.17	ND
MW-5S	259.43	9/27/10	4.89	254.54	ND
MW-5D	259.4	9/27/10	5.03	254.37	ND
MW-6S	258.75	9/27/10	4.42	254.33	ND
MW-6D	259.27	9/27/10	5.31	253.96	ND
MW-7S	258.84	9/27/10	3.70	255.14	Observed
MW-7D	258.8	9/27/10	3.82	254.98	ND
MW-8	258.84	9/27/10	3.42	255.42	ND
MW-9S	258.41	9/27/10	3.11	255.30	ND
MW-9D	258.86	9/27/10	4.31	254.55	ND
MW-9LF	258.94	9/27/10	4.44	254.50	ND
MW-10S	260.67	9/27/10	5.25	255.42	ND
MW-10D	260.64	9/27/10	6.50	254.14	ND
MW-10LF	260.58	9/27/10	7.38	253.20	ND
MW-11S	258.96	9/27/10	5.04	253.92	ND
MW-11D	258.98	9/27/10	5.49	253.49	Observed
MW-11LF	259.01	9/27/10	5.28	253.73	ND
MW-12S	262.69	9/27/10	6.94	255.75	ND
MW-12D	262.7	9/27/10	6.62	256.08	ND
MW-12LF	262.9	9/27/10	6.85	256.05	ND

Notes:
feet MSL = feet relative to mean sea level
feet TOC = feet below top of casing
ND = not detected
Observed = retracted water level probe appeared to have petroleum product on it

Table 2
Summary of Groundwater Analytical Results - September 2010
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Sample ID	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)
MW-1	9/29/10		ND<51	**50**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-1	9/29/10	D	**57**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-2S	9/28/10		**1,200**	**74**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**21**
MW-2M	9/28/10		**450**	**170**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**12**
MW-2D	9/28/10		**280**	**50**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**
MW-3	9/29/10		**190**	**80**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**48**
MW-4S	9/27/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-4S	9/27/10	D	ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-4D	9/27/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-5S	9/30/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.4**
MW-5D	9/29/10		**51**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.2**
MW-6S	9/29/10		**180**	**470**	ND<0.5	ND<0.5	**0.7**	ND<1.0	**23**
MW-6D	9/27/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**33**
MW-7S	9/28/10		**75**	**430**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-7D	9/28/10		**1,600**	**13,000**	**55**	**29**	**490**	**270**	ND<25
MW-8	9/28/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-8	9/28/10	D	ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-9S	9/28/10		ND<55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-9D	9/28/10		ND<55	**320**	**1.2**	ND<0.5	**3.5**	ND<1.0	ND<0.5
MW-9LF	9/28/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-10S	9/29/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-10D	9/29/10		**150**	**2,300**	ND<0.5	ND<0.5	**14**	ND<1.0	ND<0.5
MW-10LF	9/29/10		ND<52	**240**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.83**
MW-11S	9/30/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	**1.0**	**3.3**
MW-11S	9/30/10	D	ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**3.1**
MW-11D	9/30/10		**47,000**	**1,100**	**5.4**	ND<0.5	**5.8**	**1.7**	**14**
MW-11LF	9/30/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**110**
MW-12S	9/29/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-12D	9/29/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
MW-12LF	9/29/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.61**

Table 2
Summary of Groundwater Analytical Results - September 2010
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Sample ID	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)
OXY-1S	9/28/10		ND<53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
OXY-1D	9/28/10		**390**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
OXY-1LF	9/28/10		ND<53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5
ESLs			*100*	*100*	*1*	*40*	*30*	*20*	*5*

Notes:
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
MTBE = methyl tertiary-butyl ether
ug/l = micrograms per liter
ND = not detected above given laboratory reporting limit
D = duplicate sample
ESL = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, May 2008, for groundwater beneath Residential Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.
Bold values indicate detection above given laboratory reporting limit.
Boxed values indicate result exceeds the ESL.

CITY: DIV/GROUP: DB: LD: PIC: PM: TM: TR:
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0 700 1,400 Feet

GRAPHIC SCALE

HANSON AGGREGATES, 7999 ATHENOUR WAY,
SUNOL, CALIFORNIA

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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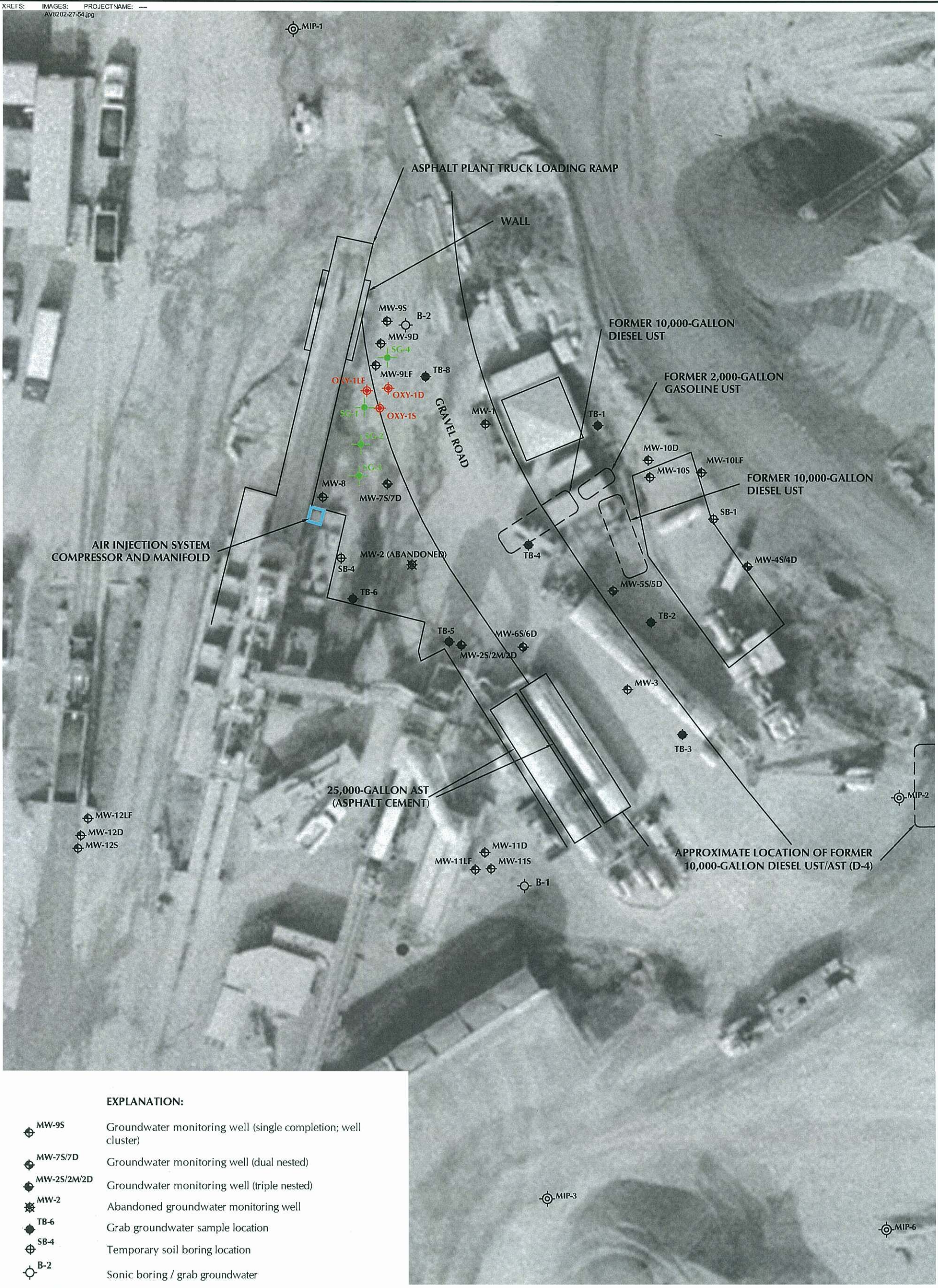

EXPLANATION:

MW-9S	Groundwater monitoring well (single completion; well cluster)
MW-7S/7D	Groundwater monitoring well (dual nested)
MW-2S/2M/2D	Groundwater monitoring well (triple nested)
MW-2	Abandoned groundwater monitoring well
TB-6	Grab groundwater sample location
SB-4	Temporary soil boring location
B-2	Sonic boring / grab groundwater
MIP-3	MIP boring / grab groundwater
OXY-1S	Air injection well (approximate location)
SG-1	Soil-gas monitoring probe (approximate location)

AST = Aboveground storage tank
UST = Underground storage tank
MIP = Membrane Interface Probe

N

0 30 FEET
APPROXIMATE SCALE

HANSON AGGREGATES, SUNOL, CALIFORNIA

SITE PLAN

ARCADIS

FIGURE
2

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*:OFF=*REF*
G:\ENVCAD\Emeryville\ACT\EM009480\0011\00004\Sept 2010\Figure 3 GWE Shallow.dwg LAYOUT: 3 SAVED: 10/14/2010 11:57 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: -- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 10/14/2010 11:59 AM BY: REYES, ALEC
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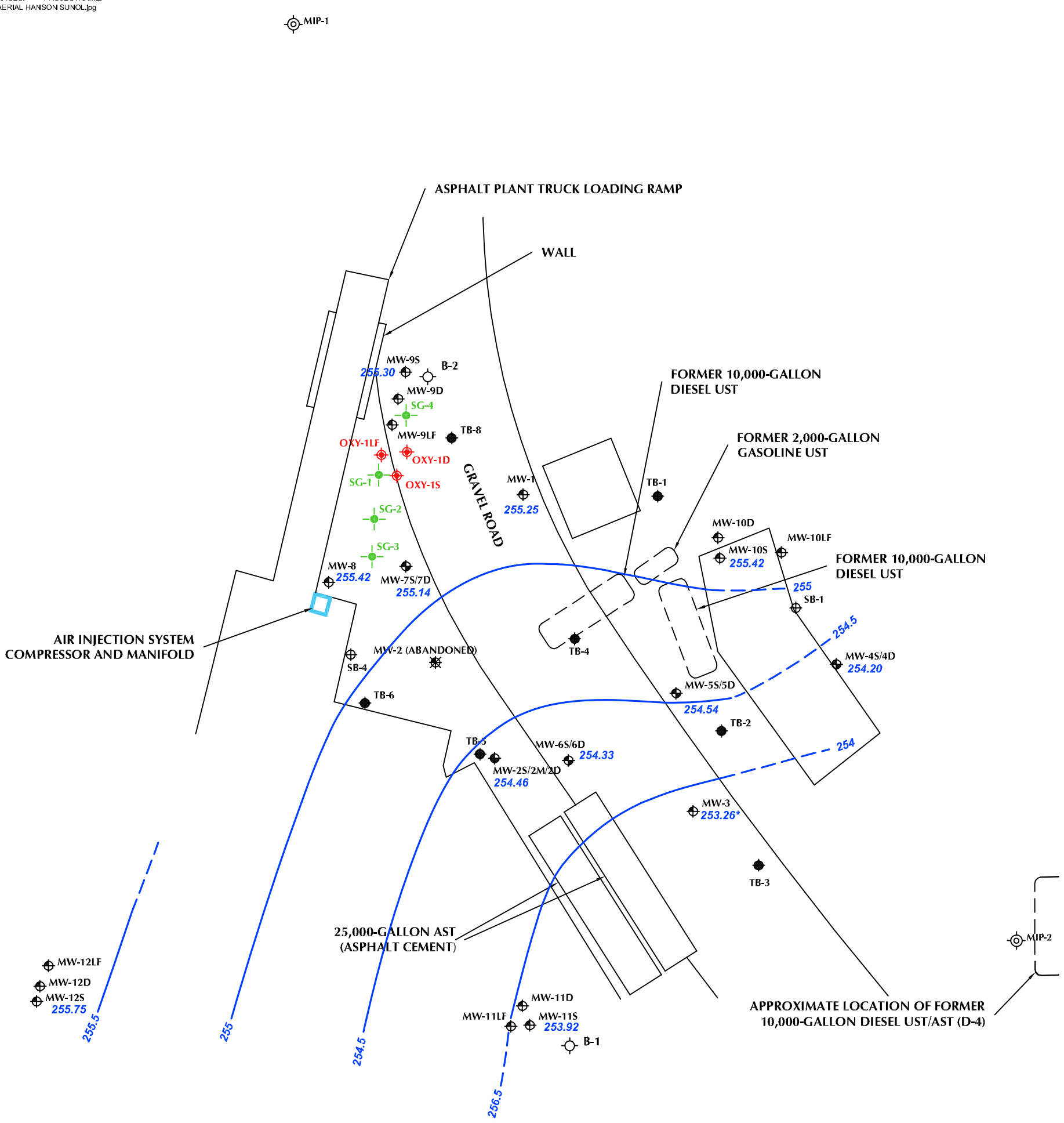

EXPLANATION:

MW-9S	Groundwater monitoring well (single completion; well cluster)
MW-7S/7D	Groundwater monitoring well (dual nested)
MW-2S/2M/2D	Groundwater monitoring well (triple nested)
MW-2	Abandoned groundwater monitoring well
TB-6	Grab groundwater sample location
SB-4	Temporary soil boring location
B-2	Sonic boring / grab groundwater
MIP-3	MIP boring / grab groundwater
SG-1	Soil gas monitoring probe (approximate location)
OXY-1S	Air injection well (approximate location)
256	Groundwater elevation contour (feet above mean sea level), dashed where inferred
256.89	Groundwater elevation (feet above mean sea level)
*	Not used in contouring

AST = Aboveground storage tank
UST = Underground storage tank
MIP = Membrane Interface Probe

MIP-3

MIP-6

N

0 30 FEET
APPROXIMATE SCALE

HANSON AGGREGATES, SUNOL, CALIFORNIA

GROUNDWATER ELEVATION CONTOURS FOR THE SHALLOW INTERVAL (SEPTEMBER 27, 2010)

ARCADIS

FIGURE
3

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*:OFF=*REF*
G:\ENVCAD\Emeryville\ACT\EM009480\0011\00004\Sept 2010\Figure 4 GWE Deep.dwg LAYOUT: 4 SAVED: 10/15/2010 3:20 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: -- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 10/15/2010 4:21 PM BY: REYES, ALEC
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AERIAL HANSON SUNOL.jpg

MIP-1

ASPHALT PLANT TRUCK LOADING RAMP

WALL

MW-9S 254.5 B-2

MW-9D 254.55

SG-4

MW-9LF TB-8

OXY-1LF 255

OXY-1D

SG-1 OXY-1S

SG-2

SG-3

MW-8

MW-7S/7D 254.98

GRAVEL ROAD

AIR INJECTION SYSTEM
COMPRESSOR AND MANIFOLD

SB-4 MW-2 (ABANDONED)

TB-6

MW-1 TB-1

FORMER 10,000-GALLON
DIESEL UST

MW-10D 254.14 MW-10LF

MW-10S

254

FORMER 10,000-GALLON
DIESEL UST

SB-1 253.5

TB-4

MW-4S/4D 253.17

MW-5S/5D 254.37

TB-2

TB-5

MW-6S/6D 253.96

MW-2S/2M/2D 254.11

MW-3

TB-3

25,000-GALLON AST
(ASPHALT CEMENT)

MW-12LF

256.08 MW-12D

MW-12S

256 255.5 255 254.5 254 253.5

MW-11D 253.49

MW-11LF MW-11S

B-1

MIP-2

APPROXIMATE LOCATION OF FORMER
10,000-GALLON DIESEL UST/AST (D-4)

EXPLANATION:

MW-9S	Groundwater monitoring well (single completion; well cluster)
MW-7S/7D	Groundwater monitoring well (dual nested)
MW-2S/2M/2D	Groundwater monitoring well (triple nested)
MW-2	Abandoned groundwater monitoring well
TB-6	Grab groundwater sample location
SB-4	Temporary soil boring location
B-2	Sonic boring / grab groundwater
MIP-3	MIP boring / grab groundwater
SG-1	Soil gas monitoring probe (approximate location)
OXY-1S	Air injection well (approximate location)
258	Groundwater elevation contour (feet above mean sea level), dashed where inferred
257.57	Groundwater elevation (feet above mean sea level)

AST = Aboveground storage tank
UST = Underground storage tank
MIP = Membrane Interface Probe

MIP-3

MIP-6

N

0 30 FEET
APPROXIMATE SCALE

HANSON AGGREGATES, SUNOL, CALIFORNIA

GROUNDWATER ELEVATION CONTOURS FOR THE DEEP INTERVAL (SEPTEMBER 27, 2010)

ARCADIS

FIGURE
4

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*:OFF=*REF*
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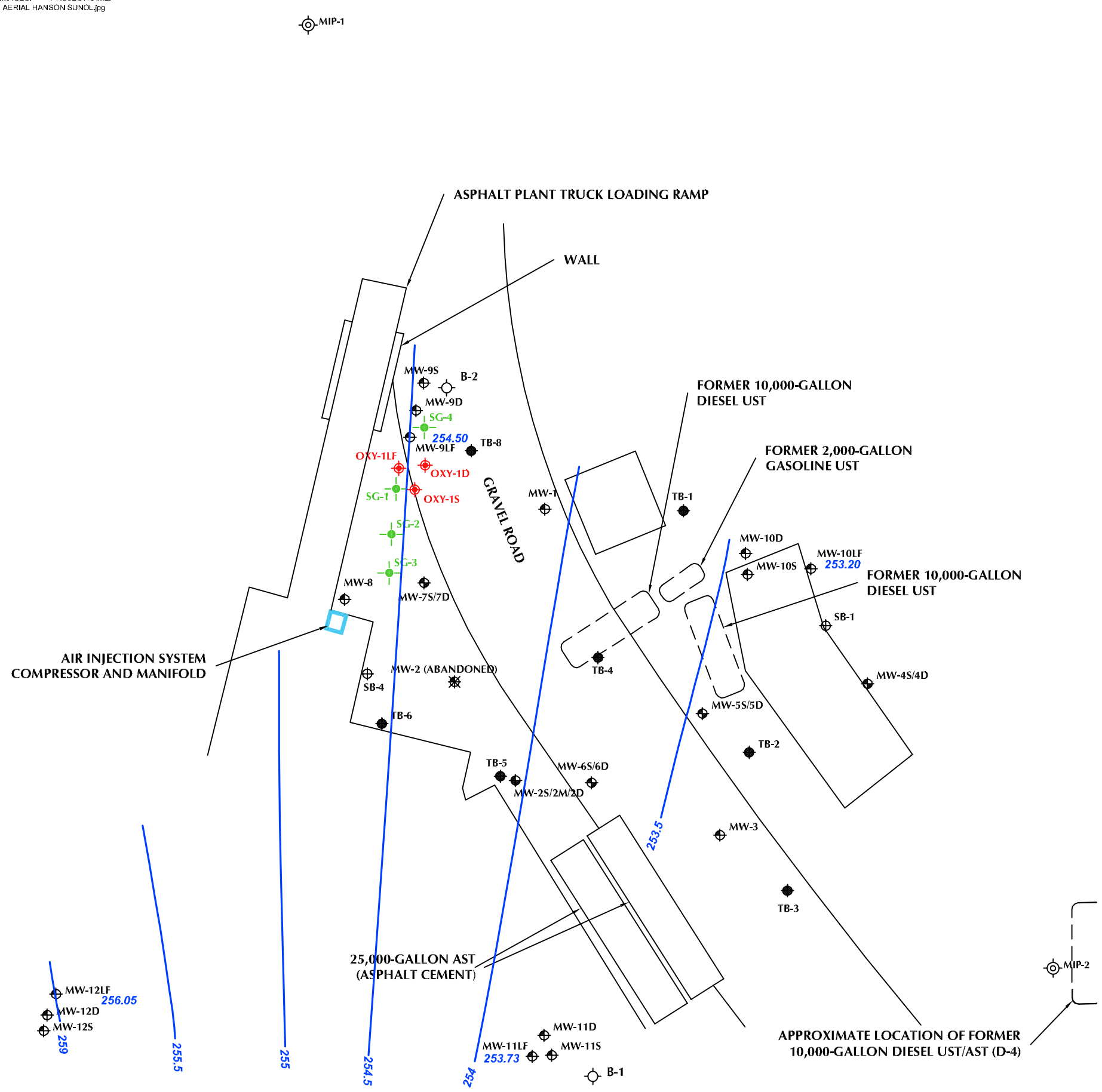


EXPLANATION:

MW-9S	Groundwater monitoring well (single completion; well cluster)
MW-7S/7D	Groundwater monitoring well (dual nested)
MW-2S/2M/2D	Groundwater monitoring well (triple nested)
MW-2	Abandoned groundwater monitoring well
TB-6	Grab groundwater sample location
SB-4	Temporary soil boring location
B-2	Sonic boring / grab groundwater
MIP-3	MIP boring / grab groundwater
SG-1	Soil gas monitoring probe (approximate location)
OXY-1S	Air injection well (approximate location)
258	Groundwater elevation contour (feet above mean sea level), dashed where inferred
256.89	Groundwater elevation (feet above mean sea level)

AST = Aboveground storage tank
UST = Underground storage tank
MIP = Membrane Interface Probe

MIP-3

MIP-6

N

0 30 FEET
APPROXIMATE SCALE

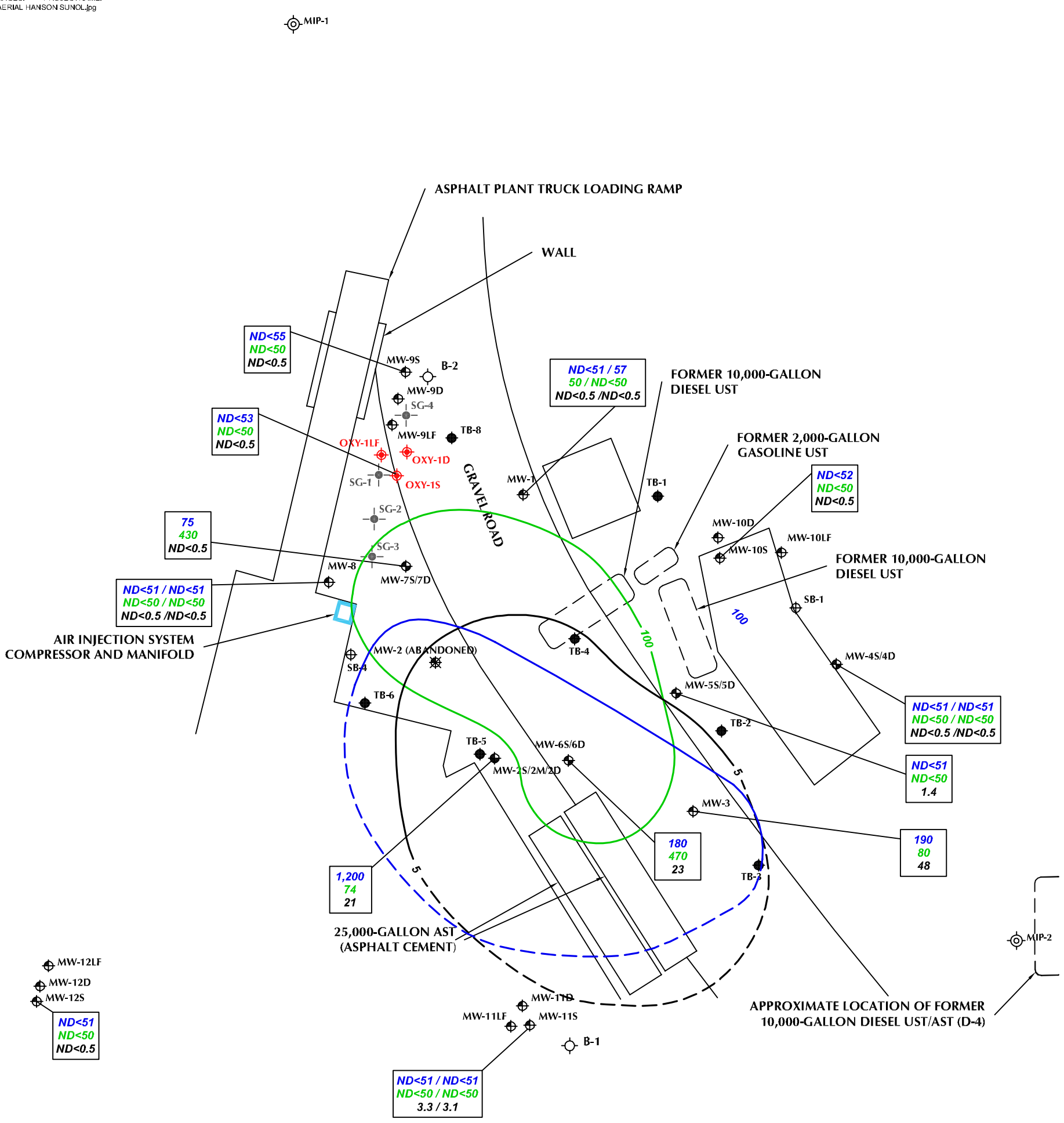
HANSON AGGREGATES, SUNOL, CALIFORNIA

GROUNDWATER ELEVATION CONTOURS FOR THE LIVERMORE FORMATION (SEPTEMBER 27, 2010)

ARCADIS

FIGURE 5

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Emeryville\ACT\EM009480\0011\00004\Sept 2010\Figure 6 TPH-MtBE Shallow.dwg LAYOUT: 6 SAVED: 10/15/2010 2:43 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: -- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 11/15/2010 8:15 AM BY: BEARDSLEY, DANIEL
XREFS: IMAGES: PROJECTNAME: --
AERIAL HANSON SUNOL.jpg



EXPLANATION:

- MW-9S — Groundwater monitoring well (single completion; well cluster)
- MW-7S/7D — Groundwater monitoring well (dual nested)
- MW-2S/2M/2D — Groundwater monitoring well (triple nested)
- MW-2 — Abandoned groundwater monitoring well
- TB-6 — Grab groundwater sample location
- SB-4 — Temporary soil boring location
- B-2 — Sonic boring / grab groundwater
- MIP-3 — MIP boring / grab groundwater
- OXY-1S — Air injection well (approximate location)
- SG-1 — Soil gas monitoring probe (approximate location)
- 75 / 430 / 3.3 — TPHd - Total petroleum hydrocarbons as diesel (measured in µg/L); TPHg - Total petroleum hydrocarbons as gasoline (measured in µg/L); MTBE - Methyl tert-butyl ether (measured in µg/L)
- 100 — TPHd
- 100 — TPHg
- 10 — MTBE

AST = Aboveground storage tank
UST = Underground storage tank
MIP = Membrane Interface Probe
µg/L = Micrograms per liter
ND< = Not detected at the given reporting limit

N

0 30 FEET
APPROXIMATE SCALE

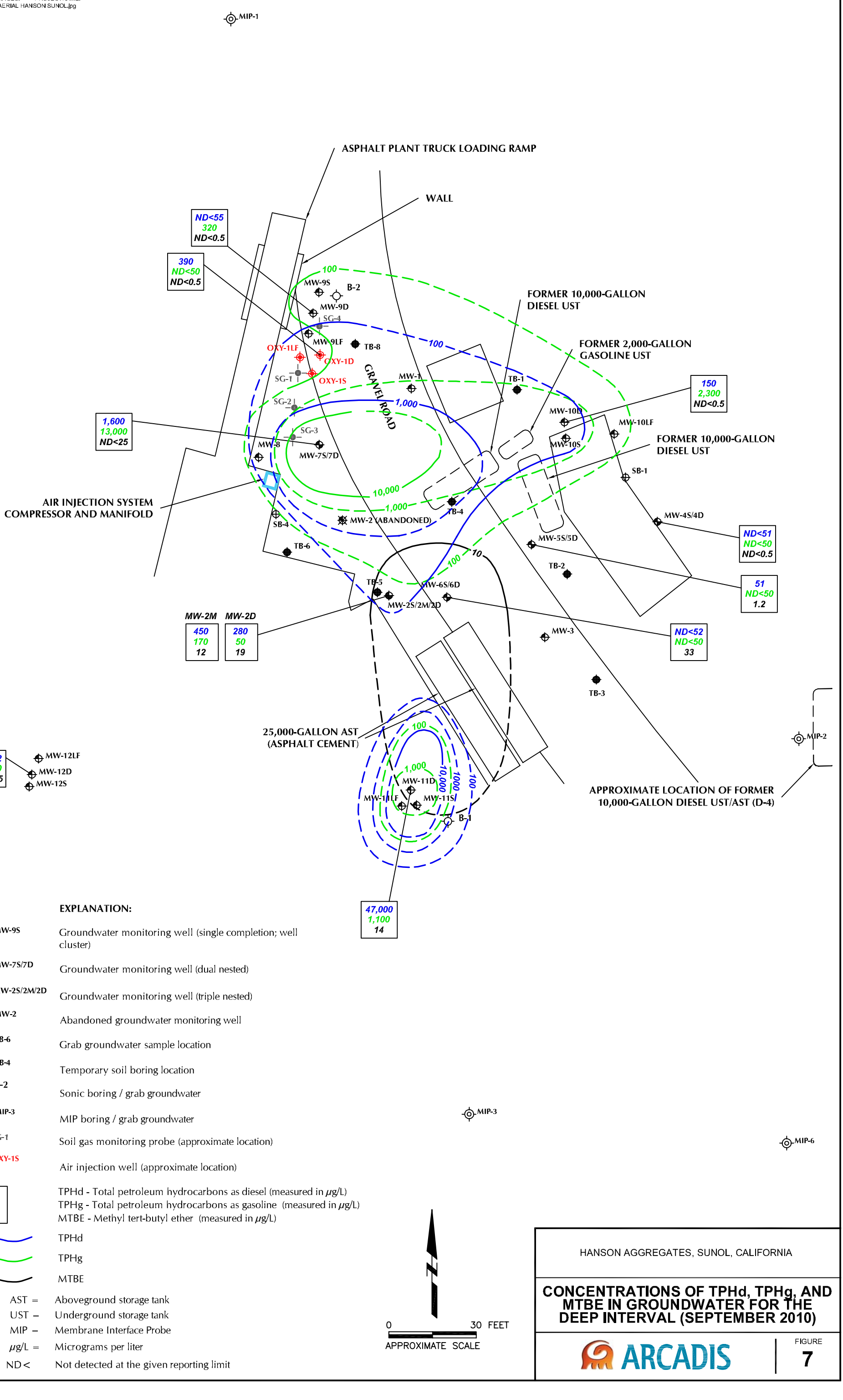
HANSON AGGREGATES, SUNOL, CALIFORNIA

CONCENTRATIONS OF TPHd, TPHg, AND MTBE IN GROUNDWATER FOR THE SHALLOW INTERVAL (SEPTEMBER 2010)

ARCADIS

FIGURE 6

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*:OFF=*REF*
G:\ENVCAD\Emeryville\ACT\EM009480\0011\00004\Sept 2010\Figure 7 TPH-MtBE Deep.dwg LAYOUT: 7 SAVED: 11/15/2010 8:17 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: -- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 11/15/2010 1:11 PM BY: BEARDSLEY, DANIEL
XREFS: IMAGES: PROJECTNAME: --
AERIAL HANSON SUNOL.jpg



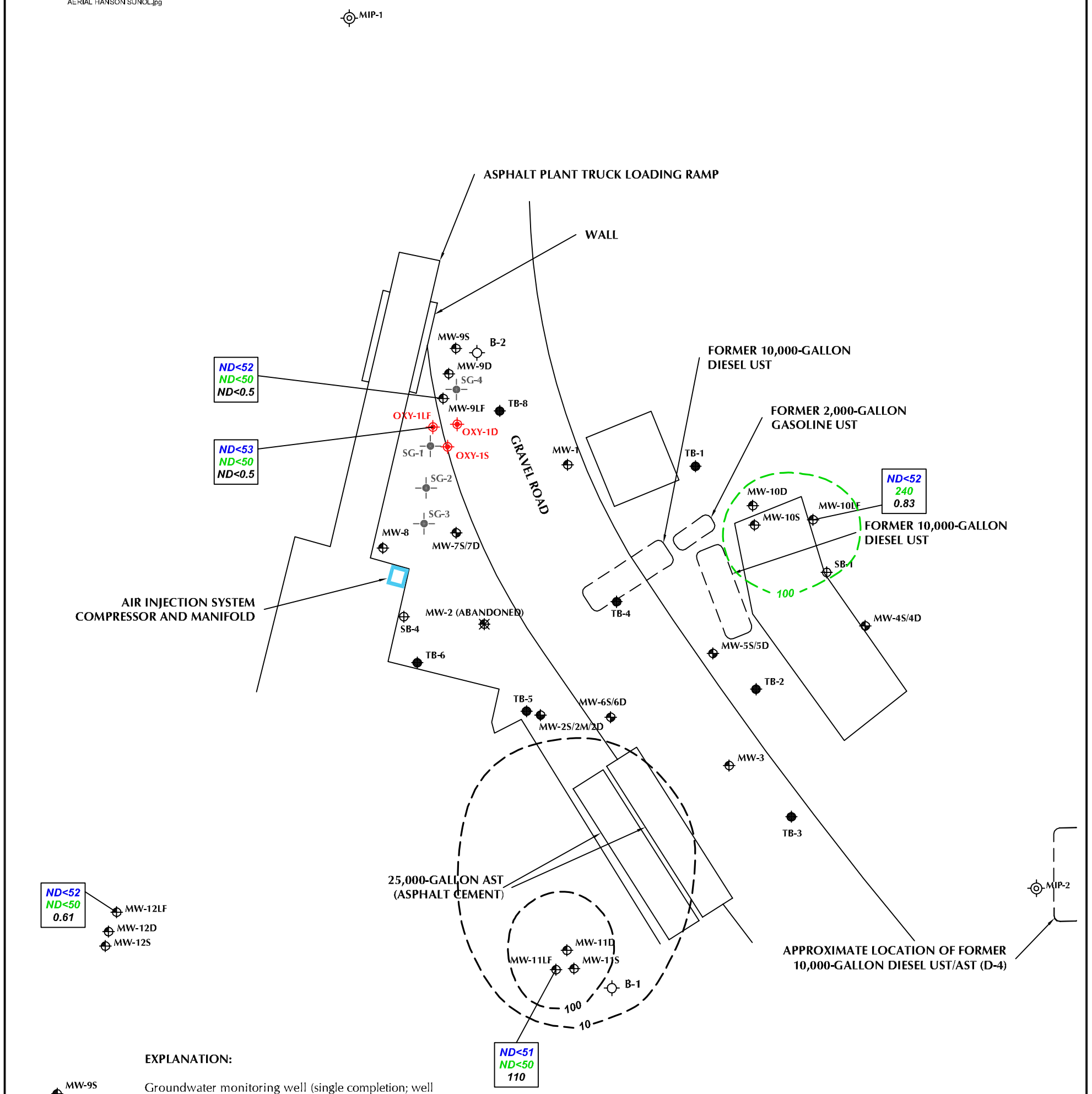
HANSON AGGREGATES, SUNOL, CALIFORNIA

CONCENTRATIONS OF TPHd, TPHg, AND MTBE IN GROUNDWATER FOR THE DEEP INTERVAL (SEPTEMBER 2010)

ARCADIS

FIGURE 7

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Emeryville\ACT\EM009480\0011\00004\Sept 2010\Figure 8 TPH-MtBE Livermore.dwg LAYOUT: 8 SAVED: 11/15/2010 8:13 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 11/15/2010 8:13 AM BY: BEARDSLEY, DANIEL
XREFS: IMAGES: PROJECTNAME: ---
AERIAL HANSON SUNOL.jpg



EXPLANATION:

- MW-9S — Groundwater monitoring well (single completion; well cluster)
- MW-7S/7D — Groundwater monitoring well (dual nested)
- MW-2S/2M/2D — Groundwater monitoring well (triple nested)
- MW-2 — Abandoned groundwater monitoring well
- TB-6 — Grab groundwater sample location
- SB-4 — Temporary soil boring location
- B-2 — Sonic boring / grab groundwater
- MIP-3 — MIP boring / grab groundwater
- SG-1 — Soil gas monitoring probe (approximate location)
- OXY-1S — Air injection well (approximate location)

ND<50 / ND<50 / 0.83 — TPHd - Total petroleum hydrocarbons as diesel (measured in µg/L)
TPHg - Total petroleum hydrocarbons as gasoline (measured in µg/L)
MTBE - Methyl tert-butyl ether (measured in µg/L)

TPHd was not detected in samples from any of the Livermore formation wells; therefore, no concentration contours are provided.

100 — TPHg
10 — MTBE

AST = Aboveground storage tank
UST = Underground storage tank
MIP = Membrane Interface Probe
µg/L = Micrograms per liter
ND< = Not detected at the given reporting limit

N

0 30 FEET
APPROXIMATE SCALE

HANSON AGGREGATES, SUNOL, CALIFORNIA

CONCENTRATIONS OF TPHd, TPHg, AND MTBE IN GROUNDWATER FOR THE LIVERMORE FORMATION (SEPTEMBER 2010)

ARCADIS

FIGURE 8

ARCADIS

Appendix A

Historical Groundwater Elevation and Analytical Data

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-1	256.51	6/23/98	1.32	255.19	ND
MW-1		1/5/99	2.28	254.23	ND
MW-1		3/29/99	1.88	254.63	ND
MW-1		6/10/99	3.35	253.16	ND
MW-1		9/17/99	3.66	252.85	ND
MW-1		12/27/99	2.94	253.57	ND
MW-1		3/22/00	2.72	253.79	Odor
MW-1		6/30/00	4.01	252.50	Slight Odor
MW-1		9/14/00	5.11	251.40	Slight Odor
MW-1		12/20/00	4.95	251.56	ND
MW-1		3/22/01	2.28	254.23	ND
MW-1		6/27/01	3.60	252.91	ND
MW-1		9/21/01	6.50	250.01	ND
MW-1		12/27/01	1.29	255.22	ND
MW-1		3/29/02	2.91	253.60	ND
MW-1		6/13/02	3.95	252.56	ND
MW-1		9/27/02	5.18	251.33	ND
MW-1		12/3/02	3.90	252.61	ND
MW-1		3/31/03	1.40	255.11	ND
MW-1		6/27/03	2.65	253.86	ND
MW-1		9/19/03	4.67	251.84	ND
MW-1		12/22/03	4.60	251.91	ND
MW-1	258.68	1/17/05	3.41	255.27	ND
MW-1		5/4/05	1.20	257.48	ND
MW-1		8/12/05	4.52	254.16	ND
MW-1		12/12/05	6.44	252.24	ND
MW-1		3/2/06	0.71	257.97	ND
MW-1		6/12/06	2.47	256.21	ND
MW-1		9/5/06	6.13	252.55	ND
MW-1		12/4/06	5.42	253.26	ND
MW-1		2/26/07	2.46	256.22	ND
MW-1		6/11/07	4.10	254.58	ND
MW-1		9/11/07	5.48	253.20	ND
MW-1		12/10/07	5.35	253.33	ND
MW-1		3/10/08	1.90	256.78	ND
MW-1		6/9/08	3.26	255.42	ND
MW-1		9/8/08	4.49	254.19	ND
MW-1		12/8/08	5.90	252.78	ND
MW-1		3/9/09	2.47	256.21	ND
MW-1		5/6/09	3.39	255.29	ND
MW-1		5/6/09	3.39	255.29	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-1		6/9/09	3.50	255.18	ND
MW-1		7/14/09	4.74	253.94	ND
MW-1		9/21/09	4.15	254.53	ND
MW-1		12/17/09	4.34	254.34	ND
MW-1		3/2/10	1.83	256.85	ND
MW-1		6/9/10	1.67	257.01	ND
MW-1		9/27/10	3.43	255.25	ND
MW-2	256.7	6/23/98	1.72	254.98	0.005
MW-2		1/5/99	2.69	254.01	4.00
MW-2		3/29/99	2.50	254.20	ND
MW-2		6/10/99	4.00	252.70	Sheen
MW-2		9/17/99	4.54	252.16	0.50
MW-2		12/27/99	3.85	252.85	0.13
MW-2		3/22/00	3.20	253.50	0.03
MW-2		6/30/00	4.62	252.08	0.02
MW-2		9/14/00	5.95	250.75	>0.01
MW-2		12/20/00	5.65	251.05	0.07
MW-2		3/22/01	3.21	253.49	0.10
MW-2		6/27/01	3.31	253.39	0.06
MW-2		9/21/01	7.08	249.62	0.34
MW-2		12/27/01	2.18	254.52	0.26
MW-2		3/29/02	3.40	253.30	0.90
MW-2		6/13/02	4.35	252.35	0.08
MW-2		9/27/02	5.54	251.16	ND
MW-2		12/3/02	4.30	252.40	ND
MW-2		3/31/03	1.78	254.92	ND
MW-2		6/27/03	3.10	253.60	ND
MW-2		9/19/03	5.02	251.68	ND
MW-2		1/5/05	Well abandoned		
MW-2S	258.84	1/17/05	4.25	254.59	ND
MW-2S		5/4/05	1.98	256.86	ND
MW-2S		8/12/05	5.46	253.38	ND
MW-2S		12/12/05	7.38	251.46	ND
MW-2S		3/2/06	2.24	256.60	ND
MW-2S		6/12/06	3.08	255.76	ND
MW-2S		9/5/06	7.01	251.83	ND
MW-2S		12/4/06	6.40	252.44	ND
MW-2S		2/26/07	3.52	255.32	ND
MW-2S		6/11/07	4.93	253.91	ND
MW-2S		9/11/07	6.45	252.39	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-2S		12/10/07	6.55	252.29	ND
MW-2S		3/10/08	2.82	256.02	ND
MW-2S		6/9/08	4.03	254.81	ND
MW-2S		9/8/08	5.42	253.42	ND
MW-2S		12/8/08	6.95	251.89	ND
MW-2S		3/9/09	3.40	255.44	ND
MW-2S		6/10/09	4.30	254.54	ND
MW-2S		9/21/09	4.90	253.94	ND
MW-2S		3/2/10	2.13	256.71	ND
MW-2S		9/27/10	4.38	254.46	ND
MW-2M	258.99	1/17/05	4.68	254.31	ND
MW-2M		5/4/05	2.32	256.67	ND
MW-2M		8/12/05	5.77	253.22	ND
MW-2M		12/12/05	7.78	251.21	ND
MW-2M		3/2/06	2.10	256.89	ND
MW-2M		6/12/06	3.39	255.60	ND
MW-2M		9/5/06	7.36	251.63	ND
MW-2M		12/4/06	6.89	252.10	ND
MW-2M		2/26/07	3.79	255.20	ND
MW-2M		6/11/07	5.30	253.69	ND
MW-2M		9/11/07	6.88	252.11	ND
MW-2M		12/10/07	7.04	251.95	ND
MW-2M		3/10/08	3.15	255.84	ND
MW-2M		6/9/08	4.39	254.60	ND
MW-2M		9/8/08	5.85	253.14	ND
MW-2M		12/8/08	7.35	251.64	ND
MW-2M		3/9/09	3.68	255.31	ND
MW-2M		6/10/09	4.67	254.32	ND
MW-2M		9/21/09	5.22	253.77	ND
MW-2M		3/2/10	2.40	256.59	ND
MW-2M		9/27/10	4.61	254.38	ND
MW-2D	258.91	1/17/05	4.75	254.16	ND
MW-2D		5/4/05	2.38	256.53	ND
MW-2D		8/12/05	5.90	253.01	ND
MW-2D		12/12/05	7.85	251.06	ND
MW-2D		3/2/06	2.16	256.75	ND
MW-2D		6/12/06	3.48	255.43	ND
MW-2D		9/5/06	7.44	251.47	ND
MW-2D		12/4/06	6.94	251.97	ND
MW-2D		2/26/07	3.89	255.02	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-2D		6/11/07	5.45	253.46	ND
MW-2D		9/11/07	7.00	251.91	ND
MW-2D		12/10/07	7.23	251.68	ND
MW-2D		3/10/08	3.22	255.69	ND
MW-2D		6/9/08	4.46	254.45	ND
MW-2D		9/8/08	5.94	252.97	ND
MW-2D		12/8/08	7.60	251.31	ND
MW-2D		3/9/09	3.80	255.11	ND
MW-2D		6/10/09	4.85	254.06	ND
MW-2D		9/21/09	5.42	253.49	ND
MW-2D		3/2/10	2.60	256.31	ND
MW-2D		9/27/10	4.80	254.11	ND
MW-3	256.72	6/23/98	2.66	254.06	ND
MW-3		1/5/99	4.47	252.25	Slight Odor
MW-3		3/29/99	3.96	252.76	Sheen
MW-3		6/10/99	5.54	251.18	ND
MW-3		9/17/99	6.18	250.54	Sheen
MW-3		12/27/99	5.52	251.20	Odor
MW-3		3/22/00	4.61	252.11	Odor
MW-3		6/30/00	6.35	250.37	Very Slight Odor
MW-3		9/14/00	7.30	249.42	Very Slight Odor
MW-3		12/20/00	7.29	249.43	ND
MW-3		3/22/01	4.73	251.99	ND
MW-3		6/27/01	-	-	-
MW-3		9/21/01	7.89	248.83	ND
MW-3		12/27/01	3.77	252.95	ND
MW-3		3/29/02	5.12	251.60	ND
MW-3		6/13/02	6.52	250.20	ND
MW-3		9/27/02	7.28	249.44	ND
MW-3		12/3/02	6.40	250.32	ND
MW-3		3/31/03	4.01	252.71	ND
MW-3		6/27/03	5.13	251.59	ND
MW-3		9/19/03	5.13	251.59	ND
MW-3		12/22/03	7.20	249.52	ND
MW-3	259.08	1/17/05	5.81	253.27	ND
MW-3		5/4/05	3.50	255.58	ND
MW-3		8/12/05	6.01	253.07	ND
MW-3		12/12/05	8.45	250.63	ND
MW-3		3/2/06	3.42	255.66	ND
MW-3		6/12/06	4.15	254.93	ND
MW-3		9/5/06	7.97	251.11	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-3		12/4/06	7.30	251.78	ND
MW-3		2/26/07	4.62	254.46	ND
MW-3		6/11/07	6.11	252.97	ND
MW-3		9/11/07	7.47	251.61	ND
MW-3		12/10/07	7.95	251.13	ND
MW-3		3/10/08	3.89	255.19	ND
MW-3		6/9/08	-	-	-
MW-3		9/8/08	6.33	252.75	ND
MW-3		12/8/08	8.00	251.08	ND
MW-3		3/9/09	4.42	254.66	ND
MW-3		6/9/09	5.55	253.53	ND
MW-3		9/21/09	5.98	253.10	ND
MW-3		3/2/10	3.24	255.84	ND
MW-3		9/27/10	5.82	253.26	ND
MW-4S	259.14	1/17/05	4.62	254.52	ND
MW-4S		5/4/05	3.73	255.41	ND
MW-4S		8/12/05	3.45	255.69	ND
MW-4S		12/12/05	5.48	253.66	ND
MW-4S		3/2/06	3.10	256.04	ND
MW-4S		6/12/06	4.10	255.04	ND
MW-4S		9/5/06	3.90	255.24	ND
MW-4S		12/4/06	4.05	255.09	ND
MW-4S		2/26/07	3.40	255.74	ND
MW-4S		6/11/07	4.75	254.39	ND
MW-4S		9/11/07	4.77	254.37	ND
MW-4S		12/10/07	5.35	253.79	ND
MW-4S		3/10/08	3.20	255.94	ND
MW-4S		6/9/08	4.11	255.03	ND
MW-4S		9/8/08	4.60	254.54	ND
MW-4S		12/8/08	5.25	253.89	ND
MW-4S		3/9/09	4.10	255.04	ND
MW-4S		6/9/09	4.80	254.34	ND
MW-4S		9/21/09	4.98	254.16	ND
MW-4S		3/2/10	3.14	256.00	Slight Gasoline Odor
MW-4S		9/27/10	4.94	254.20	ND
MW-4D	259.22	1/17/05	5.96	253.26	ND
MW-4D		5/4/05	3.93	255.29	ND
MW-4D		8/12/05	5.60	253.62	ND
MW-4D		12/12/05	8.50	250.72	ND
MW-4D		3/2/06	3.63	255.59	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-4D		6/12/06	4.51	254.71	ND
MW-4D		9/5/06	8.18	251.04	ND
MW-4D		12/4/06	7.95	251.27	ND
MW-4D		2/26/07	4.49	254.73	ND
MW-4D		6/11/07	6.25	252.97	ND
MW-4D		9/11/07	7.54	251.68	ND
MW-4D		12/10/07	8.16	251.06	ND
MW-4D		3/10/08	4.05	255.17	ND
MW-4D		6/9/08	5.09	254.13	ND
MW-4D		9/8/08	6.30	252.92	ND
MW-4D		12/8/08	8.16	251.06	ND
MW-4D		3/9/09	4.60	254.62	ND
MW-4D		6/9/09	5.60	253.62	ND
MW-4D		9/21/09	6.15	253.07	ND
MW-4D		3/3/2010 (1)	3.41	255.81	Gasoline Odor
MW-4D		9/27/10	6.05	253.17	ND
MW-5S	259.43	1/17/05	4.57	254.86	ND
MW-5S		5/4/05	2.50	256.93	ND
MW-5S		8/12/05	5.30	254.13	ND
MW-5S		12/12/05	7.68	251.75	ND
MW-5S		3/2/06	1.42	258.01	ND
MW-5S		6/12/06	3.73	255.70	ND
MW-5S		9/5/06	7.02	252.41	ND
MW-5S		12/4/06	6.31	253.12	ND
MW-5S		2/26/07	3.06	256.37	ND
MW-5S		6/11/07	5.10	254.33	ND
MW-5S		9/11/07	6.49	252.94	ND
MW-5S		12/10/07	6.84	252.59	ND
MW-5S		3/10/08	3.34	256.09	ND
MW-5S		6/9/08	4.44	254.99	ND
MW-5S		9/8/08	5.44	253.99	ND
MW-5S		12/8/08	7.03	252.40	ND
MW-5S		3/9/09	3.50	255.93	ND
MW-5S		6/9/09	4.83	254.60	ND
MW-5S		9/21/09	5.27	254.16	ND
MW-5S		3/2/10	2.50	256.93	ND
MW-5S		9/27/10	4.89	254.54	ND
MW-5D	259.40	1/17/05	5.15	254.25	ND
MW-5D		5/4/05	2.75	256.65	ND
MW-5D		8/12/05	5.60	253.80	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-5D		12/12/05	7.92	251.48	ND
MW-5D		3/2/06	1.98	257.42	ND
MW-5D		6/12/06	3.64	255.76	ND
MW-5D		9/5/06	7.30	252.10	ND
MW-5D		12/4/06	6.69	252.71	ND
MW-5D		2/26/07	3.56	255.84	ND
MW-5D		6/11/07	5.39	254.01	ND
MW-5D		9/11/07	6.76	252.64	ND
MW-5D		12/10/07	7.19	252.21	ND
MW-5D		3/10/08	3.50	255.90	ND
MW-5D		6/9/08	4.59	254.81	ND
MW-5D		9/8/08	5.69	253.71	ND
MW-5D		12/8/08	7.30	252.10	ND
MW-5D		3/9/09	3.80	255.60	ND
MW-5D		6/9/09	4.95	254.45	ND
MW-5D		9/21/09	5.40	254.00	ND
MW-5D		3/2/10	2.79	256.61	ND
MW-5D		9/27/10	5.03	254.37	ND
MW-6S	258.75	1/17/05	4.30	254.45	ND
MW-6S		5/4/05	1.96	256.79	ND
MW-6S		8/12/05	5.17	253.58	ND
MW-6S		12/12/05	7.48	251.27	ND
MW-6S		3/2/06	1.95	256.80	ND
MW-6S		6/12/06	3.10	255.65	ND
MW-6S		9/5/06	6.94	251.81	ND
MW-6S		12/4/06	6.30	252.45	ND
MW-6S		2/26/07	3.44	255.31	ND
MW-6S		6/11/07	4.80	253.95	ND
MW-6S		9/11/07	6.32	252.43	ND
MW-6S		12/10/07	6.52	252.23	ND
MW-6S		3/10/08	2.89	255.86	ND
MW-6S		6/9/08	4.00	254.75	ND
MW-6S		9/8/08	5.40	253.35	ND
MW-6S		12/8/08	6.95	251.80	ND
MW-6S		3/9/09	3.30	255.45	ND
MW-6S		6/10/09	4.40	254.35	ND
MW-6S		9/21/09	4.96	253.79	ND
MW-6S		3/2/10	2.10	256.65	ND
MW-6S		9/27/10	4.42	254.33	ND
MW-6D	259.27	1/17/05	5.17	254.10	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-6D		5/4/05	2.80	256.47	ND
MW-6D		8/12/05	6.30	252.97	ND
MW-6D		12/12/05	8.32	250.95	ND
MW-6D		3/2/06	2.70	256.57	ND
MW-6D		6/12/06	4.05	255.22	ND
MW-6D		9/5/06	7.90	251.37	ND
MW-6D		12/4/06	7.37	251.90	ND
MW-6D		2/26/07	4.35	254.92	ND
MW-6D		6/11/07	5.93	253.34	ND
MW-6D		9/11/07	7.46	251.81	Odor
MW-6D		12/10/07	7.80	251.47	ND
MW-6D		3/10/08	3.75	255.52	ND
MW-6D		6/9/08	4.95	254.32	ND
MW-6D		9/8/08	6.44	252.83	ND
MW-6D		12/8/08	8.00	251.27	ND
MW-6D		3/9/09	4.30	254.97	ND
MW-6D		6/10/09	5.30	253.97	ND
MW-6D		9/21/09	6.01	253.26	ND
MW-6D		3/2/10	3.13	256.14	Gasoline Odor
MW-6D		9/27/10	5.31	253.96	ND
MW-7S	258.82	1/17/05	3.42	255.40	ND
MW-7S		5/4/05	1.44	257.38	ND
MW-7S		8/12/05	4.80	254.02	ND
MW-7S		12/12/05	6.64	252.18	ND
MW-7S		3/2/06	0.95	257.87	ND
MW-7S	258.84	6/12/06	2.55	256.29	ND
MW-7S		9/5/06	6.30	252.54	ND
MW-7S		12/4/06	5.60	253.24	ND
MW-7S		2/26/07	2.61	256.23	ND
MW-7S		6/11/07	4.32	254.52	ND
MW-7S		9/11/07	5.76	253.08	ND
MW-7S		12/10/07	5.62	253.22	ND
MW-7S		3/10/08	2.15	256.69	ND
MW-7S		6/9/08	3.51	255.33	ND
MW-7S		9/8/08	4.80	254.04	ND
MW-7S		12/8/08	6.20	252.64	ND
MW-7S		3/9/09	2.75	256.09	ND
MW-7S		5/6/09	3.32	255.52	ND
MW-7S		6/8/09	2.90	255.94	ND
MW-7S		7/14/09	4.83	254.01	ND
MW-7S		9/21/09	4.67	254.17	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-7S		12/17/09	5.32	253.52	ND
MW-7S		3/2/10	1.95	256.89	Gasoline Odor
MW-7S		6/9/10	1.82	257.02	ND
MW-7S		9/27/10	3.70	255.14	Observed
MW-7D	258.07	1/17/05	5.50	252.57	ND
MW-7D		5/4/05	1.45	256.62	ND
MW-7D		8/12/05	4.70	253.37	ND
MW-7D		12/12/05	7.40	250.67	ND
MW-7D		3/2/06	5.10	252.97	Gasoline odor
MW-7D	258.80	6/12/06	3.66	255.14	Gasoline odor
MW-7D		9/5/06	7.19	251.61	ND
MW-7D		12/4/06	6.64	252.16	ND
MW-7D		2/26/07	3.65	255.15	ND
MW-7D		6/11/07	4.95	253.85	ND
MW-7D		9/11/07	6.59	252.21	Odor
MW-7D		12/10/07	6.38	252.42	ND
MW-7D		3/10/08	2.21	256.59	ND
MW-7D		6/9/08	3.70	255.10	ND
MW-7D		9/8/08	5.18	253.62	ND
MW-7D		12/8/08	6.70	252.10	Odor
MW-7D		3/9/09	2.95	255.85	Odor
MW-7D		5/6/09	4.53	254.27	ND
MW-7D		6/8/09	4.15	254.65	ND
MW-7D		7/15/09	5.75	253.05	ND
MW-7D		9/21/09	6.41	252.39	ND
MW-7D		12/17/09	4.80	254.00	ND
MW-7D		3/4/2010 (2)	1.23	257.57	Strong Gasoline Odor
MW-7D		6/9/10	3.03	255.77	ND
MW-7D		9/27/10	3.82	254.98	ND
MW-8	258.84	1/17/05	3.45	255.39	ND
MW-8		5/4/05	1.25	257.59	ND
MW-8		8/12/05	4.92	253.92	ND
MW-8		12/12/05	6.67	252.17	ND
MW-8		3/2/06	0.78	258.06	ND
MW-8		6/12/06	2.44	256.40	ND
MW-8		9/5/06	6.45	252.39	ND
MW-8		12/4/06	5.80	253.04	ND
MW-8		2/26/07	2.68	256.16	ND
MW-8		6/11/07	4.32	254.52	ND
MW-8		9/11/07	5.80	253.04	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-8		12/10/07	5.54	253.30	ND
MW-8		3/10/08	1.89	256.95	ND
MW-8		6/9/08	3.35	255.49	ND
MW-8		9/8/08	4.75	254.09	ND
MW-8		12/8/08	6.28	252.56	ND
MW-8		3/9/09	2.50	256.34	ND
MW-8		5/6/09	2.58	256.26	ND
MW-8		6/8/09	3.35	255.49	ND
MW-8		7/14/09	4.40	254.44	ND
MW-8		7/14/09	4.40	254.44	ND
MW-8		9/21/09	3.98	254.86	ND
MW-8		12/17/09	4.32	254.52	ND
MW-8		3/2/10	1.19	257.65	ND
MW-8		6/9/10	1.12	257.72	ND
MW-8		9/27/10	3.42	255.42	ND
MW-9S	258.41	6/12/06	2.14	256.27	ND
MW-9S		9/5/06	5.92	252.49	ND
MW-9S		12/4/06	5.21	253.20	ND
MW-9S		2/26/07	3.28	255.13	ND
MW-9S		6/11/07	3.70	254.71	ND
MW-9S		9/11/07	5.26	253.15	ND
MW-9S		12/10/07	5.06	253.35	ND
MW-9S		3/10/08	1.55	256.86	ND
MW-9S		6/9/08	3.00	255.41	ND
MW-9S		9/8/08	4.29	254.12	ND
MW-9S		12/8/08	5.65	252.76	Odor
MW-9S		3/9/09	2.25	256.16	Odor
MW-9S		5/6/09	2.48	255.93	ND
MW-9S		6/8/09	4.10	254.31	ND
MW-9S		6/8/09	4.10	254.31	ND
MW-9S		7/15/09	4.35	254.06	ND
MW-9S		9/21/09	4.52	253.89	ND
MW-9S		12/17/09	4.60	253.81	ND
MW-9S		3/4/2010 (2)	0.50	257.91	ND
MW-9S		6/9/10	1.45	256.96	ND
MW-9S		9/27/10	3.11	255.30	ND
MW-9D	258.86	6/12/06	3.16	255.70	ND
MW-9D		9/5/06	7.12	251.74	ND
MW-9D		12/4/06	6.58	252.28	ND
MW-9D		2/26/07	3.52	255.34	Sheen

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-9D		6/11/07	5.19	253.67	Sheen
MW-9D		9/11/07	6.67	252.19	Odor
MW-9D		12/10/07	6.71	252.15	ND
MW-9D		3/10/08	2.75	256.11	ND
MW-9D		6/9/08	4.17	254.69	ND
MW-9D		9/8/08	5.60	253.26	ND
MW-9D		12/8/08	7.10	251.76	Odor
MW-9D		3/9/09	3.46	255.40	Odor
MW-9D		5/6/09	3.88	254.98	ND
MW-9D		6/8/09	3.00	255.86	ND
MW-9D		7/15/09	6.14	252.72	ND
MW-9D		9/21/09	6.40	252.46	ND
MW-9D		12/17/09	6.90	251.96	ND
MW-9D		3/2/10	2.83	256.03	ND
MW-9D		6/9/10	3.95	254.91	ND
MW-9D		9/27/10	4.31	254.55	ND
MW-9LF	258.94	6/12/06	3.46	255.48	ND
MW-9LF		9/5/06	7.37	251.57	ND
MW-9LF		12/4/06	6.85	252.09	ND
MW-9LF		2/26/07	3.79	255.15	ND
MW-9LF		6/11/07	8.94	250.00	ND
MW-9LF		9/11/07	7.00	251.94	ND
MW-9LF		12/10/07	7.04	251.90	ND
MW-9LF		3/10/08	3.00	255.94	ND
MW-9LF		6/9/08	4.38	254.56	ND
MW-9LF		9/8/08	5.83	253.11	ND
MW-9LF		12/8/08	7.36	251.58	ND
MW-9LF		3/9/09	3.60	255.34	ND
MW-9LF		5/6/09	3.71	255.23	ND
MW-9LF		6/8/09	4.97	253.97	ND
MW-9LF		6/8/09	4.85	254.09	ND
MW-9LF		7/15/09	5.83	253.11	ND
MW-9LF		9/21/09	6.05	252.89	ND
MW-9LF		12/17/09	6.46	252.48	ND
MW-9LF		3/2/10	2.74	256.20	ND
MW-9LF		6/9/10	3.49	255.45	ND
MW-9LF		9/27/10	4.44	254.50	ND
MW-10S	260.67	6/12/06	5.00	255.67	ND
MW-10S		9/5/06	5.62	255.05	ND
MW-10S		12/4/06	5.04	255.63	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-10S		2/26/07	3.88	256.79	ND
MW-10S		6/11/07	4.84	255.83	ND
MW-10S		9/11/07	4.94	255.73	ND
MW-10S		12/10/07	4.90	255.77	ND
MW-10S		3/10/08	4.10	256.57	ND
MW-10S		6/9/08	4.80	255.87	ND
MW-10S		9/8/08	4.89	255.78	ND
MW-10S		12/8/08	5.21	255.46	ND
MW-10S		3/9/09	4.97	255.70	ND
MW-10S		6/9/09	5.50	255.17	ND
MW-10S		9/21/09	5.52	255.15	ND
MW-10S		3/2/10	4.21	256.46	ND
MW-10S		9/27/10	5.25	255.42	ND
MW-10D	260.64	6/12/06	5.42	255.22	ND
MW-10D		9/5/06	8.92	251.72	ND
MW-10D		12/4/06	8.18	252.46	ND
MW-10D		2/26/07	5.40	255.24	ND
MW-10D		6/11/07	7.13	253.51	ND
MW-10D		9/11/07	8.50	252.14	ND
MW-10D		12/10/07	8.81	251.83	ND
MW-10D		3/10/08	4.99	255.65	ND
MW-10D		6/9/08	6.17	254.47	ND
MW-10D		9/8/08	7.45	253.19	ND
MW-10D		12/8/08	8.88	251.76	Odor
MW-10D		3/9/09	5.45	255.19	Odor
MW-10D		6/10/09	6.70	253.94	ND
MW-10D		9/21/09	7.09	253.55	ND
MW-10D		3/2/10	4.35	256.29	Gasoline Odor
MW-10D		9/27/10	6.50	254.14	ND
MW-10LF	260.58	6/12/06	5.99	254.59	ND
MW-10LF		9/5/06	9.65	250.93	ND
MW-10LF		12/4/06	9.02	251.56	ND
MW-10LF		2/26/07	6.23	254.35	ND
MW-10LF		6/11/07	7.86	252.72	ND
MW-10LF		9/11/07	9.24	251.34	ND
MW-10LF		12/10/07	9.73	250.85	ND
MW-10LF		3/10/08	5.65	254.93	ND
MW-10LF		6/9/08	6.71	253.87	ND
MW-10LF		9/8/08	8.08	252.50	ND
MW-10LF		12/8/08	9.75	250.83	Odor

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-10LF		3/9/09	6.20	254.38	Odor
MW-10LF		6/10/09	7.15	253.43	ND
MW-10LF		9/21/09	7.77	252.81	ND
MW-10LF		3/2/10	4.94	255.64	Gasoline Odor
MW-10LF		9/27/10	7.38	253.20	ND
MW-11S	258.96	6/12/06	3.69	255.27	ND
MW-11S		9/5/06	7.69	251.27	ND
MW-11S		12/4/06	7.28	251.68	ND
MW-11S		2/26/07	4.20	254.76	ND
MW-11S		6/11/07	5.72	253.24	ND
MW-11S		9/11/07	7.10	251.86	ND
MW-11S		12/10/07	7.27	251.69	ND
MW-11S		3/10/08	3.31	255.65	ND
MW-11S		6/9/08	4.50	254.46	ND
MW-11S		9/8/08	5.80	253.16	ND
MW-11S		12/8/08	7.50	251.46	ND
MW-11S		3/9/09	3.76	255.20	ND
MW-11S		6/9/09	4.75	254.21	ND
MW-11S		9/21/09	5.29	253.67	ND
MW-11S		3/2/10	2.54	256.42	ND
MW-11S		9/27/10	5.04	253.92	ND
MW-11D	258.98	6/12/06	3.70	255.28	ND
MW-11D		9/5/06	8.50	250.48	ND
MW-11D		12/4/06	7.65	251.33	ND
MW-11D		2/26/07	4.48	254.50	Sheen
MW-11D		6/11/07	6.14	252.84	Sheen
MW-11D		9/11/07	8.08	250.90	Sheen
MW-11D		12/10/07	7.75	251.23	ND
MW-11D		3/10/08	3.56	255.42	ND
MW-11D		6/9/08	4.84	254.14	ND
MW-11D		9/8/08	6.35	252.63	ND
MW-11D		12/8/08	8.35	250.63	ND
MW-11D		3/9/09	4.26	254.72	ND
MW-11D		6/10/09	4.92	254.06	ND
MW-11D		9/21/09	5.59	253.39	ND
MW-11D		3/2/10	2.88	256.10	ND
MW-11D		9/27/10	5.49	253.49	Observed
MW-11LF	259.01	6/12/06	3.90	255.11	ND
MW-11LF		9/5/06	7.84	251.17	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-11LF		12/4/06	7.75	251.26	ND
MW-11LF		2/26/07	4.69	254.32	ND
MW-11LF		6/11/07	6.15	252.86	ND
MW-11LF		9/11/07	7.70	251.31	ND
MW-11LF		12/10/07	7.92	251.09	ND
MW-11LF		3/10/08	3.65	255.36	ND
MW-11LF		6/9/08	4.89	254.12	ND
MW-11LF		9/8/08	6.49	252.52	ND
MW-11LF		12/8/08	8.30	250.71	ND
MW-11LF		3/9/09	4.25	254.76	ND
MW-11LF		6/9/09	5.13	253.88	ND
MW-11LF		9/21/09	5.84	253.17	ND
MW-11LF		3/2/10	2.82	256.19	ND
MW-11LF		9/27/10	5.28	253.73	ND
MW-12S	262.69	6/12/06	5.77	256.92	ND
MW-12S		9/5/06	10.51	252.18	ND
MW-12S		12/4/06	10.00	252.69	ND
MW-12S		2/26/07	6.45	256.24	ND
MW-12S		6/11/07	7.95	254.74	ND
MW-12S		9/11/07	9.54	253.15	ND
MW-12S		12/10/07	8.95	253.74	ND
MW-12S		3/10/08	4.90	257.79	ND
MW-12S		6/9/08	6.62	256.07	ND
MW-12S		9/8/08	8.27	254.42	ND
MW-12S		12/8/08	10.09	252.60	ND
MW-12S		3/9/09	5.84	256.85	ND
MW-12S		6/9/09	7.00	255.69	ND
MW-12S		9/21/09	7.35	255.34	ND
MW-12S		3/2/10	4.20	258.49	ND
MW-12S		9/27/10	6.94	255.75	ND
MW-12D	262.70	6/12/06	5.69	257.01	ND
MW-12D		9/5/06	10.40	252.30	ND
MW-12D		12/4/06	9.94	252.76	ND
MW-12D		2/26/07	6.47	256.23	ND
MW-12D		6/11/07	7.96	254.74	ND
MW-12D		9/11/07	9.45	253.25	ND
MW-12D		12/10/07	8.74	253.96	ND
MW-12D		3/10/08	4.65	258.05	ND
MW-12D		6/9/08	6.42	256.28	ND
MW-12D		9/8/08	8.15	254.55	ND

Table A-1
Historical Groundwater Elevation Data
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Top of Casing Elevation (feet MSL)	Date Measured	Depth to Water (feet TOC)	GW Elevation (feet MSL)	Product Observation or Thickness (feet)
MW-12D		12/8/08	10.00	252.70	ND
MW-12D		3/9/09	5.62	257.08	ND
MW-12D		6/9/09	6.80	255.90	ND
MW-12D		9/21/09	7.02	255.68	ND
MW-12D		3/2/10	3.75	258.95	ND
MW-12D		9/27/10	6.62	256.08	ND
MW-12LF	262.90	6/12/06	5.92	256.98	ND
MW-12LF		9/5/06	10.69	252.21	ND
MW-12LF		12/4/06	10.25	252.65	ND
MW-12LF		2/26/07	6.65	256.25	ND
MW-12LF		6/11/07	8.10	254.80	ND
MW-12LF		9/11/07	9.71	253.19	ND
MW-12LF		12/10/07	9.02	253.88	ND
MW-12LF		3/10/08	4.85	258.05	ND
MW-12LF		6/9/08	6.65	256.25	ND
MW-12LF		9/8/08	8.32	254.58	ND
MW-12LF		12/8/08	10.25	252.65	ND
MW-12LF		3/9/09	5.82	257.08	ND
MW-12LF		6/9/09	7.05	255.85	ND
MW-12LF		9/21/09	7.22	255.68	ND
MW-12LF		3/2/10	3.89	259.01	ND
MW-12LF		9/27/10	6.85	256.05	ND

Notes:
feet MSL = feet relative to mean sea level
feet TOC = feet below top of casing
GW = groundwater
ND = not detected

(1) = Measured one day later than most wells included in this monitoring and sampling event

(2) = Measured two days later than the majority of wells included in this monitoring and sampling event

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-1	6/23/98		**0.1**	**3,100**	**19**	**2.3**	**91**	**48**	**110**	ND<2.0	ND<10
MW-1	10/1/98		**0.1**	**2,300**	**3.1**	**4.2**	**5.0**	**15**	ND<0.5	ND<2.0	ND<10
MW-1	1/5/99		**350**	ND<50	**12**	**7.5**	**20**	**6.2**	ND<5.0	ND<2.0	ND<10
MW-1	3/29/99		**190**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-1	6/10/99		**210**	**1,800**	**1.2**	**0.9**	**1.5**	**4.6**	ND<0.5	ND<2.0	ND<10
MW-1	9/17/99		**62**	**180**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-1	12/27/99		**290**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-1	3/22/00		**86**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-1	6/30/00		**70**	**450**	**2.1**	ND<0.5	**2.1**	**1.4**	**7.6**	ND<2.0	ND<10
MW-1	9/14/00		ND<50	**850**	**5.4**	ND<0.5	**9.4**	**2.6**	**9.8**	ND<2.0	ND<10
MW-1	12/20/00		ND<1,000	**370**	**5.3**	ND<1.0	**2.7**	ND<3.0	**55**	ND<2.0	ND<10
MW-1	3/22/01		ND<1,000	**700**	ND<1.0	ND<1.0	**1.4**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	6/27/01		ND<1,000	**170**	ND<1.0	ND<1.0	**1.2**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	9/21/01		ND<1,000	**730**	**1.4**	ND<1.0	**7.6**	**1.2**	ND<1.0	ND<2.0	ND<10
MW-1	12/27/01		**1,000**	**500**	**15**	ND<1.0	**27**	**5.5**	ND<1.0	ND<2.0	ND<10
MW-1	3/29/02		**12,000**	**29,000**	**50**	ND<25	**960**	**290**	ND<25	ND<2.0	ND<10
MW-1	6/13/02		ND<1,000	**1,400**	**3.5**	ND<1.0	**42**	**7.9**	ND<1.0	ND<2.0	ND<10
MW-1	9/27/02		**1,400**	**760**	ND<1.0	ND<1.0	**4.3**	**1.1**	ND<1.0	ND<2.0	ND<10
MW-1	12/3/02		ND<1,000	**1,600**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	3/31/03		ND<1,000	**620**	**1.2**	ND<1.0	**12**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	6/27/03		ND<1,000	**0.61**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	9/19/03		ND<1,000	**1.2**	ND<1.0	ND<1.0	**6.4**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	12/22/03		ND<1,000	**0.49**	ND<1.0	ND<1.0	**3**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	1/17/05		ND<50	**63**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-1	5/4/05		ND<50	**1,200**	ND<0.5	ND<0.5	**8.5**	**1.2**	ND<1.0	ND<2.0	ND<10
MW-1	8/12/05		ND<50	**410**	ND<0.5	ND<0.5	**2.4**	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-1	12/13/05		ND<50	**750**	**3.8**	ND<0.5	**4.2**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	3/3/06		ND<50	**310**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	6/13/06		ND<50	**96**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	9/6/06		ND<50	**920**	ND<0.5	ND<0.5	**5.3**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	12/5/06		ND<50	**1,200**	**1.4**	ND<0.5	**1.5**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	2/27/07		ND<500	**430**	**1.1**	ND<0.5	**7.9**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	6/12/07		ND<500	**370**	**0.9**	ND<0.5	**17**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	9/11/07		ND<500	**270**	**0.8**	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	12/11/07		ND<500	**890**	**6.6**	**0.54**	**0.5**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	1/22/08		**440**	**460**	**4.6**	**0.52**	**1.3**	ND<0.5	ND<0.5	-	-

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-1	2/18/08		**1,000**	**2,000**	**6.3**	**1.2**	**43**	**37.2**	ND<0.5	-	-
MW-1	3/11/08		ND<50	**660**	ND<0.5	ND<0.5	**4**	**4.9**	ND<1.0	ND<2.0	ND<10
MW-1	6/10/08		ND<50	**220**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	9/10/08		**210**	**130**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	12/9/08		ND<50	**160**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	3/9/09		ND<50	**100**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	5/6/09		**54**	**380**	ND<0.5	ND<0.5	**2.4**	**1.7**	ND<0.5	-	-
MW-1	5/6/09		ND<50	**380**	ND<0.5	ND<0.5	**2.4**	**1.8**	ND<0.5	-	-
MW-1	6/9/09		**470**	**250**	ND<0.5	ND<0.5	**2.0**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	7/14/09		ND<50	**97**	**0.51**	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-1	9/22/09		**550**	**310**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-1	12/17/09		**230**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-1	3/2/10		**150**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-1	6/9/10		ND<54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-1	9/29/10		ND<51	**50**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-1	9/29/10	D	**57**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-2	6/23/98		**12,000**	**2,500**	**0.68**	ND<0.50	**1.2**	**0.57**	**14**	ND<2.0	ND<10
MW-2	10/1/98		**4,300**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-2	1/5/99		**38,000**	ND<5,000	ND<50	ND<50	**51**	**190**	ND<500	ND<2.0	ND<10
MW-2	3/29/99		**580**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-2	6/10/99		**4,500**	**24,000**	**38**	**27**	**41**	**98**	ND<0.5	ND<2.0	ND<10
MW-2	9/17/99		**24,000**	**1,400**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**27**	ND<2.0	ND<10
MW-2	12/27/99		**2,300**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-2	3/22/00		**620**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-2	6/30/00		**1,700**	**270**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**17**	ND<2.0	ND<10
MW-2	9/14/00		**5,800**	**130**	ND<0.5	ND<0.5	ND<0.5	**0.94**	**12**	ND<2.0	ND<10
MW-2	12/20/00		**19,000**	**1,700**	ND<50	ND<50	ND<50	ND<150	ND<250	ND<2.0	ND<10
MW-2	3/22/01		**610,000**	**3,300**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**9**	ND<2.0	ND<10
MW-2	6/27/01		**8,800**	**1,800**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**6.7**	ND<2.0	ND<10
MW-2	9/21/01		**530,000**	**7,000**	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0	ND<10
MW-2	12/27/01		**27,000**	**310**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**62**	ND<2.0	ND<10
MW-2	3/29/02		**65,000**	**130**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**30**	ND<2.0	ND<10
MW-2	6/13/02		**130,000**	**460**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**24**	ND<2.0	ND<10
MW-2	9/27/02		**480,000**	**290**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**16**	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-2	12/3/02		**61,000**	**1,800**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**10**	ND<2.0	ND<10
MW-2	3/31/03		**5,000**	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**14**	ND<2.0	ND<10
MW-2	6/27/03		**8.1**	**360**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**20**	ND<2.0	ND<10
MW-2	9/19/03		**85**	**12**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**15**	ND<2.0	ND<10
MW-2	1/17/05	1	-	-	-	-	-	-	-	-	-
MW-2S	1/17/05		**1,100**	**730**	ND<0.5	ND<0.5	**1.0**	**3.5**	**50**	ND<2.0	ND<10
MW-2S	5/4/05		**8,200**	**190**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**44**	ND<2.0	ND<10
MW-2S	8/12/05		**6,100**	**120**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**77**	ND<2.0	ND<10
MW-2S	12/12/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**26**	ND<2.0	ND<10
MW-2S	3/3/06		**5,900**	**160**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**21**	ND<2.0	ND<10
MW-2S	6/13/06		**8,700**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**22**	ND<2.0	ND<10
MW-2S	9/6/06		**11,000**	**190**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**29**	ND<2.0	ND<10
MW-2S	12/5/06		**18,000**	ND<50	ND<0.5	ND<50	ND<0.5	ND<1.0	**38**	ND<2.0	ND<10
MW-2S	2/28/07		**6,600**	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**33**	ND<2.0	ND<10
MW-2S	6/12/07		**3,700**	**90**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**	ND<2.0	**12**
MW-2S	9/11/07		**17,000**	ND<50	ND<2.5	ND<2.5	ND<2.5	ND<5.0	**46**	ND<10	ND<50
MW-2S	12/11/07		**16,000**	ND<50	ND<2.5	ND<2.5	ND<2.5	ND<5.0	**16**	ND<10	ND<50
MW-2S	3/11/08		**8,900**	**50**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**17**	ND<2.0	ND<10
MW-2S	6/10/08		**1,100**	**72**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**25**	ND<2.0	ND<10
MW-2S	9/9/08		**10,000**	**62**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**41**	ND<2.0	ND<10
MW-2S	12/9/08		**13,000**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**37**	ND<2.0	ND<10
MW-2S	3/9/09		**9,800**	**59**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**31**	ND<2.0	ND<10
MW-2S	6/10/09		**9,900**	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**30**	ND<2.0	ND<10
MW-2S	9/22/09		**10,000**	**54**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**40**	ND<2.0	ND<10
MW-2S	3/3/10		**12,000**	**100**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**	-	-
MW-2S	3/3/10	D	**10,000**	**100**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**20**	-	-
MW-2S	9/28/10		**1,200**	**74**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**21**	-	-
MW-2M	1/17/05		**4,100**	**3,300**	**6.5**	**1.7**	**89**	**82.2**	**38**	ND<2.0	ND<10
MW-2M	5/4/05		ND<50	**610**	ND<0.5	ND<0.5	**16**	**10.6**	**32**	ND<2.0	ND<10
MW-2M	8/12/05		ND<50	**460**	ND<0.5	ND<0.5	**2.5**	**1.2**	**56**	ND<2.0	ND<10
MW-2M	12/12/05		ND<50	**410**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**28**	ND<2.0	ND<10
MW-2M	3/3/06		ND<50	**290**	ND<0.5	ND<0.5	**0.5**	ND<1.0	**17**	ND<2.0	ND<10
MW-2M	6/13/06		ND<50	**130**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-2M	9/6/06		**1,900**	**330**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**22**	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-2M	12/5/06		**6,100**	**340**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**37**	ND<2.0	ND<10
MW-2M	2/27/07		ND<500	**310**	ND<0.5	ND<0.5	**0.65**	ND<1.0	**25**	ND<2.0	ND<10
MW-2M	6/12/07		**350**	**290**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**14**	ND<2.0	ND<10
MW-2M	9/11/07		**4,900**	**220**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**14**	ND<2.0	ND<10
MW-2M	12/11/07		ND<500	**370**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**9.4**	ND<2.0	ND<10
MW-2M	3/11/08		**4,000**	**230**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**7.4**	ND<2.0	ND<10
MW-2M	6/10/08		**2,800**	**330**	ND<0.5	ND<0.5	ND<0.5	**1**	**10**	ND<2.0	ND<10
MW-2M	9/9/08		**3,900**	**240**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**13**	ND<2.0	**12**
MW-2M	12/9/08		**3,500**	**130**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-2M	3/9/09		**1,900**	**240**	ND<0.5	ND<0.5	**1.6**	ND<1.0	**15**	ND<2.0	ND<10
MW-2M	6/10/09		**2,800**	**210**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**11**	ND<2.0	ND<10
MW-2M	9/22/09		**1,700**	**230**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**18**	ND<2.0	ND<10
MW-2M	3/3/10		**3,700**	**220**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**18**	-	-
MW-2M	9/28/10		**450**	**170**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**12**	-	-
MW-2D	1/17/05		**1,800**	**1,000**	**6.5**	ND<0.5	**80**	**71**	**62**	ND<2.0	ND<10
MW-2D	5/4/05		ND<50	**250**	ND<0.5	ND<0.5	**4.6**	**1.6**	**72**	ND<2.0	ND<10
MW-2D	8/12/05		ND<50	ND<50	ND<0.5	ND<0.5	**2.8**	**1.1**	**51**	ND<2.0	ND<10
MW-2D	12/12/05		ND<50	**200**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**39**	ND<2.0	ND<10
MW-2D	3/3/06		ND<50	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**38**	ND<2.0	ND<10
MW-2D	6/13/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**36**	ND<2.0	ND<10
MW-2D	9/6/06		**1,700**	**230**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**27**	ND<2.0	ND<10
MW-2D	12/5/06		**3,000**	**150**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**37**	ND<2.0	ND<10
MW-2D	2/27/07		**1,100**	**140**	ND<0.5	ND<0.5	**0.63**	**1.1**	**25**	ND<2.0	ND<10
MW-2D	6/12/07		ND<500	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**	ND<2.0	ND<10
MW-2D	9/11/07		**4,600**	**120**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**15**	ND<2.0	ND<10
MW-2D	12/11/07		ND<500	**250**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**22**	ND<2.0	ND<10
MW-2D	3/11/08		**3,400**	**98**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**7.5**	ND<2.0	ND<10
MW-2D	6/10/08		**2,900**	**170**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**15**	ND<2.0	ND<10
MW-2D	9/9/08		**3,600**	**65**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**	ND<2.0	ND<10
MW-2D	12/9/08		**3,500**	**72**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**21**	ND<2.0	ND<10
MW-2D	3/9/09		**1,500**	**98**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**21**	ND<2.0	ND<10
MW-2D	6/10/09		**1,800**	**99**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**	ND<2.0	ND<10
MW-2D	9/22/09		**1,200**	**81**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**33**	ND<2.0	ND<10
MW-2D	3/3/10		**2,000**	**110**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**27**	-	-

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-2D	9/28/10		**280**	**50**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**	-	-
MW-3	6/23/98		**12,000**	**300**	**0.80**	ND<0.5	ND<0.5	ND<0.5	**150**	ND<2.0	ND<10
MW-3	10/1/98		**6,400**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-3	1/5/99		**5,600**	ND<100	**1.6**	**1.4**	ND<1.0	ND<1.0	**110**	ND<2.0	ND<10
MW-3	3/29/99		**150**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-3	6/10/99		**620**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-3	9/17/99		**1,500**	**230**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**89**	ND<2.0	ND<10
MW-3	12/27/99		**58**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-3	3/22/00		**94**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	ND<10
MW-3	6/30/00		**240**	**170**	ND<0.5	**0.52**	ND<0.5	ND<0.5	**100**	ND<2.0	ND<10
MW-3	9/14/00		**850**	**170**	**0.81**	ND<0.5	ND<0.5	ND<0.5	**68**	ND<2.0	ND<10
MW-3	12/20/00		**1,600**	**230**	ND<1.0	ND<1.0	ND<1.0	ND<3.0	**80**	ND<2.0	ND<10
MW-3	3/22/01		**1,100**	**140**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**83**	ND<2.0	ND<10
MW-3	6/27/01	NS	-	-	-	-	-	-	-	-	-
MW-3	9/21/01		**3,800**	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**45**	ND<2.0	ND<10
MW-3	12/27/01		**3,100**	**340**	**1.4**	**1.1**	**10**	**3.8**	**45**	ND<2.0	ND<10
MW-3	3/29/02		**1,500**	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**50**	ND<2.0	ND<10
MW-3	6/13/02		ND<1000	**160**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**36**	ND<2.0	ND<10
MW-3	9/27/02		ND<1000	ND<1000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**43**	ND<2.0	ND<10
MW-3	12/3/02		ND<1000	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**41**	ND<2.0	ND<10
MW-3	3/31/03		ND<1000	ND<100	ND<2.5	ND<2.5	ND<2.5	ND<2.5	**92**	ND<2.0	ND<10
MW-3	6/27/03		**1,200**	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**93**	ND<2.0	ND<10
MW-3	9/19/03		ND<1000	ND<100	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**65**	ND<2.0	ND<10
MW-3	12/22/03		**5,700**	**190**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**56**	ND<2.0	ND<10
MW-3	1/17/05		ND<50	**590**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**47**	ND<2.0	ND<10
MW-3	5/4/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**190**	ND<2.0	ND<10
MW-3	8/11/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**110**	ND<2.0	ND<10
MW-3	12/13/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**75**	ND<2.0	ND<10
MW-3	3/3/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**140**	ND<2.0	ND<10
MW-3	6/12/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**100**	ND<2.0	ND<10
MW-3	9/6/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**67**	ND<2.0	ND<10
MW-3	12/5/06		ND<50	**82**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**39**	ND<2.0	ND<10
MW-3	2/27/07		**56**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**43**	ND<2.0	ND<10
MW-3	6/12/07		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**45**	ND<2.0	ND<10
MW-3	9/11/07		ND<500	**60**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**27**	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-3	12/11/07		ND<500	**180**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**24**	ND<2.0	ND<10
MW-3	3/11/08		ND<50	**98**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**36**	ND<2.0	**120**
MW-3	6/9/08	NS	-	-	-	-	-	-	-	-	-
MW-3	9/9/08		ND<50	**70**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**24**	ND<2.0	ND<10
MW-3	12/8/08		ND<50	**59**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-3	3/10/09		ND<50	**78**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**45**	ND<2.0	ND<10
MW-3	6/9/09		**660**	**79**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**87**	ND<2.0	ND<10
MW-3	9/22/09		ND<50	**74**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**61**	ND<2.0	ND<10
MW-3	3/5/10		**1,500**	**72**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**44**	-	-
MW-3	9/29/10		**190**	**80**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**48**	-	-
MW-4S	1/17/05		ND<50	**65**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-4S	5/4/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-4S	8/12/05		ND<50	ND<50	ND<0.5	ND<0.5	**2.2**	**5.8**	ND<1.0	ND<2.0	ND<10
MW-4S	12/12/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	3/3/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	6/12/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	9/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	12/4/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	2/26/07		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	6/11/07		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	9/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	12/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	9/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	12/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	3/10/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	6/9/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	9/21/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4S	3/3/10		**360**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-4S	9/27/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-4S	9/27/10	D	ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-4D	1/17/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-4D	5/4/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-4D	8/12/05		ND<50	**410**	ND<0.5	**2.2**	**10**	**25.5**	ND<1.0	ND<2.0	ND<10
MW-4D	12/12/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	3/3/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	6/12/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**7.8**	ND<2.0	ND<10
MW-4D	9/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	12/4/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	2/26/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-4D	6/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-4D	9/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	12/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	9/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	12/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	3/10/09		ND<50	**75**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	6/9/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	9/21/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-4D	3/3/10		**780**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-4D	9/27/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-5S	1/17/05		ND<50	ND<50	ND<0.5	**4.5**	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-5S	5/4/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-5S	8/11/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**5.8**	ND<2.0	ND<10
MW-5S	12/12/05		ND<50	ND<50	**3.4**	**1.3**	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5S	3/3/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5S	6/12/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5S	9/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**5.4**	ND<2.0	ND<10
MW-5S	12/4/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**5.8**	ND<2.0	ND<10
MW-5S	2/26/07		**360**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**3.2**	ND<2.0	ND<10
MW-5S	6/11/07		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**2.2**	ND<2.0	ND<10
MW-5S	9/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2**	ND<2.0	ND<10
MW-5S	12/10/07		ND<500	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.6**	ND<2.0	ND<10
MW-5S	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.1**	ND<2.0	ND<10
MW-5S	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**4.2**	ND<2.0	ND<10
MW-5S	9/8/08		**62**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10

Table A-2
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Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-5S	12/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5S	3/10/09		ND<50	**220**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.4**	ND<2.0	ND<10
MW-5S	6/9/09		**690**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5S	9/21/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2**	ND<2.0	ND<10
MW-5S	3/4/10		**3,600**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.57**	-	-
MW-5S	3/4/10	D	**3,400**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.59**	-	-
MW-5S	9/30/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.4**	-	-
MW-5D	1/17/05		ND<50	**210**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-5D	5/4/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**10**	ND<2.0	ND<10
MW-5D	8/11/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**6.4**	ND<2.0	ND<10
MW-5D	12/12/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5D	3/3/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**4.7**	ND<2.0	ND<10
MW-5D	6/12/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**5.0**	ND<2.0	ND<10
MW-5D	9/5/06		ND<50	ND<50	ND<0.5	**0.60**	ND<0.5	ND<1.0	**5.3**	ND<2.0	ND<10
MW-5D	12/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.9**	ND<2.0	ND<10
MW-5D	2/28/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.6**	ND<2.0	ND<10
MW-5D	6/12/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.4**	ND<2.0	ND<10
MW-5D	9/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.2**	ND<2.0	ND<10
MW-5D	12/11/07		ND<500	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.2**	ND<2.0	ND<10
MW-5D	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.2**	ND<2.0	ND<10
MW-5D	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**3.8**	ND<2.0	ND<10
MW-5D	9/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5D	12/8/08		ND<50	**53**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-5D	3/10/09		ND<50	**55**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.3**	ND<2.0	ND<10
MW-5D	6/9/09		**300**	**110**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.6**	ND<2.0	ND<10
MW-5D	9/21/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.6**	ND<2.0	ND<10
MW-5D	3/4/10		**2,500**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.84**	-	-
MW-5D	9/29/10		**51**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.2**	-	-
MW-6S	1/17/05		**2,800**	**1,600**	**6.1**	ND<0.5	**3.6**	**2.3**	**160**	ND<2.0	ND<10
MW-6S	5/4/05		ND<50	**750**	ND<0.5	ND<0.5	**3.0**	ND<0.5	**160**	ND<2.0	ND<10
MW-6S	8/12/05		**1,300**	**1,100**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**410**	ND<2.0	ND<10
MW-6S	12/12/05		ND<50	**1,000**	ND<0.5	ND<0.5	**1.4**	ND<1.0	**190**	ND<2.0	ND<10
MW-6S	3/3/06		ND<50	**940**	ND<0.5	ND<0.5	**4.9**	ND<1.0	**60**	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-6S	6/14/06		**1,300**	**650**	ND<0.5	**1.7**	**1.9**	**2.0**	ND<1.0	ND<2.0	ND<10
MW-6S	9/6/06		**2,400**	**750**	ND<0.5	ND<0.5	**0.7**	**0.5**	**200**	ND<2.0	ND<10
MW-6S	12/5/06		**2,600**	**1,000**	ND<0.5	ND<0.5	**1.2**	ND<1.0	**110**	ND<2.0	ND<10
MW-6S	2/27/07		**3,000**	**1,100**	**0.79**	ND<0.5	**1.1**	ND<1.0	**54**	ND<2.0	ND<10
MW-6S	6/12/07		**490**	**1,200**	ND<0.5	ND<0.5	**1.6**	ND<1.0	**47**	ND<2.0	ND<10
MW-6S	9/11/07		**930**	**370**	ND<0.5	ND<0.5	**1.3**	ND<1.0	**48**	ND<2.0	ND<10
MW-6S	12/11/07		**5,200**	**680**	**1.3**	ND<0.5	**12**	**1.1**	**28**	ND<2.0	ND<10
MW-6S	3/11/08		**770**	**1,400**	**13**	**1.6**	**210**	**21**	**5.3**	ND<2.0	ND<10
MW-6S	6/10/08		**5,600**	**690**	ND<0.5	ND<0.5	**22**	**1.8**	**23**	ND<2.0	ND<10
MW-6S	9/9/08		**3,200**	**460**	ND<0.5	ND<0.5	**2.5**	ND<1	**48**	ND<2.0	ND<10
MW-6S	12/9/08		**1,300**	**220**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1.0	ND<2.0	ND<10
MW-6S	3/9/09		**270**	**290**	ND<0.5	ND<0.5	**0.96**	ND<1	**100**	ND<2.0	ND<10
MW-6S	6/10/09		**1,800**	**260**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**61**	ND<2.0	ND<10
MW-6S	9/22/09		**940**	**230**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**58**	ND<2.0	ND<10
MW-6S	3/5/10		**1,400**	**270**	**2.2**	ND<0.5	**2.8**	ND<1.0	**31**	-	-
MW-6S	9/29/10		**180**	**470**	ND<0.5	ND<0.5	**0.7**	ND<1.0	**23**	-	-
MW-6D	1/17/05		**2,100**	**1,200**	**10**	ND<0.5	**1.6**	**2.2**	**180**	ND<2.0	ND<10
MW-6D	5/4/05		ND<50	**360**	**2**	ND<0.5	ND<0.5	ND<0.5	**360**	ND<2.0	ND<10
MW-6D	8/12/05		ND<50	**480**	**2**	ND<0.5	ND<0.5	ND<0.5	**270**	ND<2.0	ND<10
MW-6D	12/12/05		ND<50	**240**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**92**	ND<2.0	ND<10
MW-6D	3/3/06		ND<50	**310**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**93**	ND<2.0	ND<10
MW-6D	6/14/06		ND<50	**130**	ND<0.5	**3.0**	**1.1**	**2.6**	**69**	ND<2.0	ND<10
MW-6D	9/6/06		ND<50	**230**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**74**	ND<2.0	ND<10
MW-6D	12/6/06		**1,300**	**500**	**0.98**	**8.1**	**16**	**38.8**	**59**	ND<2.0	ND<10
MW-6D	2/27/07		**470**	**150**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**48**	ND<2.0	ND<10
MW-6D	6/13/07		ND<500	**180**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**39**	ND<2.0	ND<10
MW-6D	9/12/07		ND<500	**130**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**28**	ND<2.0	ND<10
MW-6D	12/12/07		ND<500	**250**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**19**	ND<2.0	ND<10
MW-6D	3/12/08		ND<50	**110**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**24**	ND<2.0	ND<10
MW-6D	6/10/08		ND<50	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**31**	ND<2.0	ND<10
MW-6D	9/9/08		**120**	**82**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**30**	ND<2.0	ND<10
MW-6D	12/9/08		**970**	**91**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**51**	ND<2.0	ND<10
MW-6D	3/9/09		ND<50	**120**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**43**	ND<2.0	ND<10
MW-6D	6/10/09		**670**	**3,700**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**43**	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-6D	9/22/09		**550**	**65**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**65**	ND<2.0	ND<10
MW-6D	3/3/10		**1,100**	**66**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**39**	-	-
MW-6D	9/27/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**33**	-	-
MW-7S	1/17/05		ND<50	**12,000**	**10**	**89**	**590**	**1,670**	ND<1.0	ND<2.0	ND<10
MW-7S	5/4/05		**520**	**1,600**	ND<0.5	ND<0.5	**31**	**18.4**	ND<1.0	ND<2.0	ND<10
MW-7S	8/12/05		ND<50	**660**	ND<0.5	ND<0.5	**5.5**	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-7S	12/12/05		ND<50	**610**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	3/3/06		ND<50	**630**	**1.1**	**9**	**31**	**78**	ND<1.0	ND<2.0	ND<10
MW-7S	6/14/06		ND<50	**430**	ND<0.5	ND<0.5	**6.1**	**14.5**	ND<1.0	ND<2.0	ND<10
MW-7S	9/7/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	12/4/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	2/26/07		ND<500	**55**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	6/11/07		ND<500	**64**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	9/10/07		ND<500	**76**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	12/10/07		ND<500	**170**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	1/22/08		**460**	**68**	ND<0.5	ND<0.5	ND<0.5	**0.99**	ND<0.5	-	-
MW-7S	2/18/08		**1,000**	**2,800**	**15**	**68**	**74**	**152**	ND<0.5	-	-
MW-7S	3/10/08		ND<50	**1,500**	**13**	**16**	**25**	**24.5**	ND<1.0	ND<2.0	ND<10
MW-7S	6/9/08		ND<50	**1,300**	**3.6**	**2.4**	**5.8**	**2.2**	ND<1.0	ND<2.0	ND<10
MW-7S	9/8/08		**79**	**620**	**0.83**	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	12/8/08		ND<50	**190**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	3/10/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	5/6/09		ND<50	**440**	ND<0.5	ND<0.5	**1.1**	**1.1**	ND<0.5	-	-
MW-7S	6/8/09		ND<50	**500**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	7/14/09		ND<50	**240**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-7S	9/22/09		**210**	**360**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-7S	12/18/09		**1,800**	**290**	ND<0.5	ND<0.5	**1.5**	ND<1.0	ND<0.5	-	-
MW-7S	3/4/10		**2,000**	**280**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-7S	6/9/10		**140**	**900**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-7S	9/28/10		**75**	**430**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-7D	1/17/05		ND<50	**23,000**	**350**	**1,000**	**1,800**	**5,200**	ND<1.0	ND<2.0	ND<10
MW-7D	5/4/05	NS	-	-	-	-	-	-	-	-	-
MW-7D	8/12/05		**37**	**83,000**	**550**	**2,200**	**4,400**	**10,600**	ND<50	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-7D	12/12/05		**150,000**	**1,300,000**	**640**	**3,100**	**21,000**	**54,800**	ND<50	ND<2.0	ND<10
MW-7D	3/3/06		**45,000**	**71,000**	**420**	**2,400**	**4,400**	**11,300**	ND<1.0	ND<2.0	ND<10
MW-7D	6/14/06		ND<50	**160,000**	**310**	**2,400**	**4,500**	**9,800**	ND<1.0	ND<2.0	ND<10
MW-7D	9/7/06		**22,000**	**71,000**	**360**	**8,600**	**33,000**	**87,000**	ND<1.0	ND<2.0	ND<10
MW-7D	12/6/06		**12,000**	**58,000**	**160**	**1,300**	**3,900**	**5,800**	ND<1.0	ND<2.0	ND<10
MW-7D	2/28/07		**790**	**6,800**	**29**	**51**	**460**	**491**	ND<1.0	ND<2.0	ND<10
MW-7D	6/13/07		**23,000**	**100,000**	**270**	**950**	**4,000**	**950**	ND<1.0	ND<2.0	ND<10
MW-7D	9/12/07		**3,500**	**15,000**	**72**	**340**	**1,300**	**1,940**	ND<1.0	ND<2.0	ND<10
MW-7D	12/12/07		**2,500**	**19,000**	**64**	**160**	**1,100**	**2,000**	ND<1.0	ND<2.0	ND<10
MW-7D	1/22/08		**2,700**	**13,000**	**47**	**67**	**760**	**801**	<5.0	-	-
MW-7D	2/19/08		**13,000**	**56,000**	**140**	**520**	**2,500**	**3,470**	ND<0.5	-	-
MW-7D	3/12/08		**3,100**	**32,000**	**64**	**250**	**1,800**	**2,800**	ND<1.0	ND<2.0	ND<10
MW-7D	6/11/08		**4,000**	**17,000**	**67**	**100**	**610**	**610**	ND<1.0	ND<2.0	ND<10
MW-7D	9/9/08		**3,400**	**9,100**	**61**	**65**	**510**	**579**	ND<1.0	ND<2.0	ND<10
MW-7D	12/9/08		**2,300**	**6,200**	**50**	**46**	**420**	**362**	ND<1.0	ND<2.0	ND<10
MW-7D	3/10/09		**1,200**	**7,600**	**47**	**45**	**530**	**310**	ND<1.0	ND<2.0	ND<10
MW-7D	5/6/09		**3,300**	**12,000**	**95**	**110**	**1,100**	**520**	<8.3	-	-
MW-7D	6/8/09		**2,000**	**12,000**	**85**	**110**	**1,000**	**413**	ND<1.0	ND<2.0	ND<10
MW-7D	7/15/09		**1,200**	**12,000**	**60**	**78**	**830**	**320**	ND<0.5	-	-
MW-7D	9/23/09		**1,200**	**8,400**	**72**	**78**	**170**	**190**	ND<1.0	ND<2.0	ND<10
MW-7D	12/18/09		**5,300**	**40,000**	**100**	**94**	**1,100**	**800**	ND<12	-	-
MW-7D	3/4/10		**1,400**	**11,000**	ND<0.5	ND<0.5	**570**	**280**	ND<0.5	-	-
MW-7D	6/9/10		**12,000**	**16,000**	**44**	**32**	**780**	**480**	ND<5	-	-
MW-7D	9/28/10		**1,600**	**13,000**	**55**	**29**	**490**	**270**	ND<25	-	-
MW-8	1/17/05		ND<50	**120**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-8	5/4/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-8	8/12/05		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	ND<10
MW-8	12/12/05		**830**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	3/3/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	6/12/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	9/7/06		ND<50	ND<50	ND<0.5	**3.3**	ND<0.5	**5.5**	ND<1.0	ND<2.0	ND<10
MW-8	12/4/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	2/26/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	6/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	9/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-8	12/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	1/22/08		**530**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
MW-8	2/18/08		**450**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
MW-8	3/10/08		ND<50	**54**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	9/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	12/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	3/10/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	5/6/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
MW-8	6/8/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-8	7/14/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-8	7/14/09	D	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-8	9/23/09	NS	-	-	-	-	-	-	-	-	-
MW-8	12/17/09		**280**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-8	3/2/10		**500**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-8	6/9/10		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-8	6/9/10	D	ND<53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-8	9/28/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-8	9/28/10	D	ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9S	5/5/06		ND<50	**1,300**	**8.6**	**24**	**40**	**29.8**	ND<1.0	ND<2.0	ND<10
MW-9S	6/14/06		ND<50	**330**	ND<0.5	ND<0.5	**3.0**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9S	9/7/06		ND<50	**240**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9S	12/5/06		ND<50	**190**	ND<0.5	ND<0.5	**0.76**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9S	2/27/07		ND<500	**130**	**0.79**	**0.58**	**8.4**	**1.0**	ND<1.0	ND<2.0	ND<10
MW-9S	6/12/07		ND<500	**210**	**0.76**	ND<0.5	**5.5**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9S	9/11/07		ND<500	**52**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9S	12/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9S	1/21/08		**540**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
MW-9S	2/19/08		**9,500**	**25,000**	**9.8**	**75**	**18**	**4,000**	ND<0.5	-	-
MW-9S	3/11/08		**3,000**	**10,000**	**4.6**	**20**	**12**	**1,800**	ND<1.0	ND<2.0	ND<10
MW-9S	6/10/08		**2,700**	**1,400**	**0.62**	ND<0.5	**1.1**	**42**	ND<1.0	ND<2.0	ND<10
MW-9S	9/10/08		**320**	**270**	ND<0.5	ND<0.5	**0.59**	**14.8**	ND<1.0	ND<2.0	ND<10
MW-9S	12/10/08		**160**	**17,000**	ND<0.5	ND<0.5	**0.81**	**6.9**	ND<1.0	ND<2.0	ND<10
MW-9S	3/10/09		ND<50	**140**	ND<0.5	ND<0.5	ND<0.5	**3**	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-9S	5/6/09		**160**	**810**	ND<0.5	**1.2**	**1.6**	**87**	ND<0.5	-	-
MW-9S	6/8/09		**370**	**400**	ND<0.5	ND<0.5	ND<0.5	**32**	ND<1.0	-	-
MW-9S	6/8/09		**370**	**400**	ND<0.5	ND<0.5	ND<0.5	**32**	ND<1.0	ND<2.0	ND<10
MW-9S	7/15/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9S	9/23/09		ND<50	**53**	ND<0.5	ND<0.5	ND<0.5	**2.32**	ND<1.0	ND<2.0	ND<10
MW-9S	12/18/09		**77**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9S	3/4/10		**11**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9S	6/9/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9S	9/28/10		ND<55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9D	5/5/06		**13**	**88,000**	**5,500**	**15,000**	**4,200**	**15,000**	ND<1.0	ND<2.0	ND<10
MW-9D	6/14/06		ND<50	**76,000**	**3,200**	**13,000**	**2,700**	**9,200**	ND<1.0	ND<2.0	ND<10
MW-9D	9/7/06		**5,400**	**58,000**	**1,800**	**7,400**	**2,400**	**8,000**	ND<1.0	ND<2.0	ND<10
MW-9D	12/6/06		**9,100**	**170,000**	**1,800**	**6,700**	**3,400**	**7,400**	ND<1.0	ND<2.0	ND<10
MW-9D	2/28/07		**4,500**	**210,000**	**1,900**	**6,200**	**2,400**	**9,000**	ND<1.0	ND<2.0	ND<10
MW-9D	6/13/07		**11,000**	**42,000**	**1,600**	**5,100**	**2,600**	**2,131**	ND<1.0	13	39
MW-9D	9/12/07		**4,400**	**36,000**	**990**	**5,700**	**2,800**	**4,600**	ND<1.0	ND<2.0	30
MW-9D	12/12/07		**3,400**	**57,000**	**880**	**5,800**	**2,800**	**9,100**	ND<1.0	ND<2.0	ND<10
MW-9D	1/21/08		**4,700**	**54,000**	**1,000**	**3,100**	**2,300**	**5,250**	<10	-	-
MW-9D	2/19/08		**15,000**	**34,000**	**290**	**1,300**	**840**	**4,200**	<7.1	-	-
MW-9D	3/12/08		**6,600**	**44,000**	**510**	**3,700**	**1,500**	**8,500**	ND<1.0	ND<2.0	ND<10
MW-9D	6/11/08		**6,600**	**39,000**	**220**	**530**	**750**	**2,070**	ND<1.0	ND<2.0	ND<10
MW-9D	9/10/08		**4,900**	**19,000**	**540**	**710**	**1,500**	**4,130**	ND<1.0	ND<2.0	ND<10
MW-9D	12/10/08		**4,000**	**15,000**	**180**	**210**	**780**	**1,420**	ND<1.0	ND<2.0	ND<10
MW-9D	3/10/09		**2,800**	**19,000**	**550**	**660**	**1,400**	**1,950**	ND<1.0	ND<2.0	ND<10
MW-9D	5/6/09		**2,900**	**9,400**	**61**	**150**	**91**	**1,440**	<3.6	-	-
MW-9D	6/8/09		**740**	**870**	**3.2**	**4.0**	**2.9**	**136**	ND<1.0	ND<2.0	ND<10
MW-9D	7/15/09		**170**	**180**	**1.0**	**1.4**	**2.8**	**32**	ND<0.5	-	-
MW-9D	9/23/09		**92**	**130**	ND<0.5	ND<0.5	**1.8**	**11.3**	ND<1.0	ND<2.0	ND<10
MW-9D	12/18/09		ND<50	ND<50	ND<0.5	ND<0.5	**1.6**	**2.0**	ND<0.5	-	-
MW-9D	3/4/10	2	**160**	ND<50	ND<0.5	ND<0.5	**1.2**	ND<1.0	ND<0.5	-	-
MW-9D	6/9/10		**1,300**	**5,200**	**0.58**	**2.5**	**82**	**120**	ND<0.5	-	-
MW-9D	9/28/10		ND<55	**320**	**1.2**	ND<0.5	**3.5**	ND<1.0	ND<0.5	-	-
MW-9LF	5/5/06		ND<50	**5,400**	**12**	**17**	**190**	**150**	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-9LF	6/14/06		ND<50	**1,800**	**13**	**17**	**30**	**36**	ND<1.0	ND<2.0	ND<10
MW-9LF	9/7/06		ND<50	**1,100**	**58**	**23**	**31**	**58**	ND<1.0	ND<2.0	ND<10
MW-9LF	12/5/06		**290**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**31**	ND<2.0	ND<10
MW-9LF	2/27/07		ND<500	**530**	**39**	**5**	**31**	**25.4**	ND<1.0	ND<2.0	ND<10
MW-9LF	6/12/07		ND<500	**280**	**14**	**0.92**	**3.8**	**4.5**	ND<1.0	ND<2.0	ND<10
MW-9LF	9/11/07		ND<500	**320**	**2.5**	**0.59**	ND<0.5	**1.94**	ND<1.0	ND<2.0	ND<10
MW-9LF	12/11/07		ND<500	**310**	ND<0.5	**0.89**	ND<0.5	**2.22**	ND<1.0	ND<2.0	ND<10
MW-9LF	1/21/08		**100** [1]	**90**	ND<0.5	ND<0.5	ND<0.5	**0.92**	ND<0.5	-	-
MW-9LF	2/19/08		**180** [1]	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
MW-9LF	3/11/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9LF	6/11/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9LF	9/10/08		**37**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9LF	12/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9LF	3/10/09		ND<50	**72**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9LF	5/6/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
MW-9LF	6/8/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	-	-
MW-9LF	6/8/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9LF	7/15/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9LF	9/23/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-9LF	12/17/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9LF	3/2/10		ND<51	ND<51	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9LF	3/2/10	D	ND<51	ND<51	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9LF	6/9/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-9LF	9/28/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-10S	5/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	6/13/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	9/7/06		ND<50	**93**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	12/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	2/27/07		ND<500	**54**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	6/12/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	9/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	12/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	3/11/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	6/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-10S	9/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	12/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	3/11/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	6/9/09		**220**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	9/23/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10S	3/3/10		**1,300**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-10S	9/29/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-10D	5/5/06		ND<50	**5,900**	**24**	**9**	**260**	**23**	ND<1.0	ND<2.0	ND<10
MW-10D	6/13/06		ND<50	**2,300**	**7.6**	**2.4**	**66**	**6.6**	ND<1.0	ND<2.0	ND<10
MW-10D	9/7/06		ND<50	**2,400**	**3.9**	**2.0**	**54**	**11.89**	ND<1.0	ND<2.0	ND<10
MW-10D	12/6/06		ND<50	**1,600**	**2.5**	**1.0**	**28**	**4**	ND<1.0	ND<2.0	ND<10
MW-10D	2/27/07		**200**	**850**	**2.7**	**0.90**	**28**	**2.3**	ND<1.0	ND<2.0	ND<10
MW-10D	6/12/07		ND<500	**830**	**1.0**	ND<0.5	**14**	**2.0**	ND<1.0	ND<2.0	ND<10
MW-10D	9/11/07		ND<500	**780**	ND<0.5	ND<0.5	**1.7**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	12/11/07		ND<500	**1,300**	ND<0.5	ND<0.5	**0.61**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	3/11/08		ND<50	**590**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	6/10/08		ND<50	**590**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	9/9/08		ND<50	**540**	ND<0.5	ND<0.5	**0.73**	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	12/9/08		ND<50	**490**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	3/11/09		ND<50	**640**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	6/10/09		**280**	**560**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	9/23/09		ND<50	**760**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10D	3/3/10		**700**	**450**	ND<0.5	ND<0.5	**0.85**	ND<1.0	ND<0.5	-	-
MW-10D	9/29/10		**150**	**2,300**	ND<0.5	ND<0.5	**14**	ND<1.0	ND<0.5	-	-
MW-10LF	5/5/06		ND<50	**860**	ND<0.5	**11**	ND<0.5	**4.6**	ND<1.0	ND<2.0	ND<10
MW-10LF	6/13/06		ND<50	**780**	**2.0**	**2.4**	**1.1**	**4.2**	ND<1.0	ND<2.0	ND<10
MW-10LF	9/7/06		ND<50	**780**	**1.7**	**1.6**	**1.7**	**7.8**	ND<1.0	ND<2.0	ND<10
MW-10LF	12/5/06		**190**	**610**	**0.5**	**0.56**	ND<0.5	**1.5**	**3.7**	ND<2.0	ND<10
MW-10LF	2/27/07		ND<500	**580**	**1.0**	**1.1**	**0.51**	**3.6**	ND<1.0	ND<2.0	ND<10
MW-10LF	6/12/07		**260**	**440**	**0.5**	**0.7**	ND<0.5	**2.5**	**2.0**	ND<2.0	ND<10
MW-10LF	9/11/07		ND<500	**130**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**3**	ND<2.0	ND<10
MW-10LF	12/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.6**	ND<2.0	ND<10
MW-10LF	3/11/08		ND<50	**210**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-10LF	6/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.2**	ND<2.0	ND<10
MW-10LF	9/8/08		**51**	**50**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10LF	12/9/08		**160**	**50**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10LF	3/9/09		ND<50	**160**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10LF	6/10/09		ND<50	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10LF	9/23/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-10LF	3/3/10		**460**	**320**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.2**	-	-
MW-10LF	9/29/10		ND<52	**240**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.83**	-	-
MW-11S	5/5/06		ND<50	**11,000**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**8.4**	ND<2.0	ND<10
MW-11S	6/14/06		ND<50	**730**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-11S	9/6/06		**3,300**	**1,400**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**4.8**	ND<2.0	ND<10
MW-11S	12/6/06		**1,700**	**130**	**0.71**	ND<0.5	**0.64**	**0.51**	**11**	ND<2.0	ND<10
MW-11S	2/27/07		**540**	**300**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**4.3**	ND<2.0	ND<10
MW-11S	6/12/07		ND<500	**1,800**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**4.3**	ND<2.0	ND<10
MW-11S	9/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.8**	ND<2.0	ND<10
MW-11S	12/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.5**	ND<2.0	ND<10
MW-11S	3/11/08		ND<50	ND<50	**1**	ND<0.5	ND<0.5	ND<1.0	**2.9**	ND<2.0	ND<10
MW-11S	6/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.4**	ND<2.0	ND<10
MW-11S	9/8/08		**360**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-11S	12/8/08		**140**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-11S	3/10/09		ND<50	**51**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**1.8**	ND<2.0	ND<10
MW-11S	6/9/09		**270**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**3.5**	ND<2.0	ND<10
MW-11S	9/22/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**2.5**	ND<2.0	ND<10
MW-11S	3/5/10		**460**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**3.4**	-	-
MW-11S	3/5/10	D	**440**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**3.3**	-	-
MW-11S	9/30/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	**1**	**3.3**	-	-
MW-11S	9/30/10	D	ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**3.1**	-	-
MW-11D	5/5/06		ND<50	**13,000**	**20**	**20**	**26**	**77**	**47**	ND<2.0	ND<10
MW-11D	6/14/06		**18,000**	**6,500**	**12**	**4.4**	**11**	**22**	**26**	ND<2.0	ND<10
MW-11D	9/6/06		**210,000**	**33,000**	**25**	**30**	**28**	**97**	**31**	ND<2.0	ND<10
MW-11D	12/6/06		**190,000**	**2,100**	**15**	**23**	**29**	**101**	**19**	ND<2.0	ND<10
MW-11D	2/28/07		**13,000**	**7,400**	**8.4**	**16**	**17**	**54**	**18**	ND<2.0	ND<10
MW-11D	6/13/07		**6,700**	**11,000**	**6.2**	**7**	**13**	**39**	**15**	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-11D	9/12/07		**21,000**	**3,000**	**3.6**	**4**	**7.9**	**22**	**8.5**	ND<2.0	ND<10
MW-11D	12/12/07		**48,000**	**7,700**	**3**	**3**	**11**	**30**	**7**	ND<2.0	ND<10
MW-11D	3/12/08		**63,000**	**37,000**	**2.2**	**0.82**	**7**	**20.4**	**8.9**	ND<2.0	**21**
MW-11D	6/10/08		**60,000**	**2,700**	**2.5**	**0.74**	**6.2**	**15.4**	**13**	ND<2.0	ND<10
MW-11D	9/8/08		**100,000**	**6,000**	**4.4**	**1.1**	**11**	**21.5**	**13**	ND<2.0	ND<10
MW-11D	12/9/08		**40,000**	**1,200**	**1.5**	ND<0.5	**4.5**	**9.2**	ND<1.0	ND<2.0	ND<10
MW-11D	3/10/09		**100,000**	**23,000**	**1.8**	ND<0.5	**5.7**	**9**	**15**	ND<2.0	ND<10
MW-11D	6/10/09		**50,000**	ND<50	**2.8**	ND<0.5	**4.2**	**5.81**	**10**	ND<2.0	ND<10
MW-11D	9/22/09		**6,800**	**500**	**1.3**	ND<0.5	**2.2**	**3.22**	**15**	ND<2.0	ND<10
MW-11D	3/5/10		**6,700**	**450**	**1.2**	ND<0.5	**1.3**	ND<1.0	**11**	-	-
MW-11D	9/30/10		**47,000**	**1,100**	**5.4**	ND<0.5	**5.8**	**1.7**	**14**	-	-
MW-11LF	5/5/06		ND<50	**1,300**	ND<0.5	ND<0.5	ND<0.5	**3**	**250**	ND<2.0	ND<10
MW-11LF	6/14/06		**1,100**	**99**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**240**	ND<2.0	ND<10
MW-11LF	9/6/06		**5,300**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**160**	ND<2.0	ND<10
MW-11LF	12/4/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**240**	ND<2.0	ND<10
MW-11LF	2/27/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**110**	ND<2.0	ND<10
MW-11LF	6/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**110**	ND<2.0	ND<10
MW-11LF	9/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**190**	ND<2.0	**13**
MW-11LF	12/10/07		ND<500	**120**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**86**	ND<2.0	ND<10
MW-11LF	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**92**	ND<2.0	**30**
MW-11LF	6/9/08		ND<50	**120**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**150**	ND<2.0	ND<10
MW-11LF	9/8/08		ND<50	**95**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**170**	ND<2.0	**100**
MW-11LF	12/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**260**	ND<2.0	ND<10
MW-11LF	3/10/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**200**	ND<2.0	ND<10
MW-11LF	6/9/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**160**	ND<2.0	ND<10
MW-11LF	9/22/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**210**	ND<2.0	ND<10
MW-11LF	3/5/10		**150**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**110**	-	-
MW-11LF	9/30/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**110**	-	-
MW-12S	5/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	6/13/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	9/7/06		ND<50	**81**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	12/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	**210**
MW-12S	2/27/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-12S	6/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	**19**
MW-12S	9/10/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	12/10/07		ND<500	**120**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	9/9/08		**28**	ND<50	ND<0.5	**2**	**1.6**	**7**	ND<1.0	ND<2.0	ND<10
MW-12S	12/8/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	3/11/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	6/9/09		ND<50	ND<50	ND<0.5	**0.95**	ND<0.5	**1.4**	ND<1.0	ND<2.0	ND<10
MW-12S	9/22/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12S	3/5/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.51**	-	-
MW-12S	9/29/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-12D	5/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	6/13/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	9/6/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	12/4/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	2/28/07		ND<500	**51**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	6/11/07		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	9/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	12/10/07		ND<500	**140**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	9/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	12/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	3/11/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	6/9/09		ND<50	**51**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	9/22/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12D	3/5/10		**60**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-12D	9/29/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
MW-12LF	5/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	6/13/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	9/6/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	12/5/06		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
MW-12LF	2/26/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	6/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	9/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	12/11/07		ND<500	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	3/10/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	6/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	9/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	12/9/08		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	3/11/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	6/9/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	9/22/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
MW-12LF	3/5/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.77**	-	-
MW-12LF	9/29/10		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	**0.61**	-	-
OXY-1S	1/25/08		**3,800**	**10,000**	**73**	**44**	**650**	**182**	ND<1.0	-	-
OXY-1S	2/20/08		**3,700**	**2,000**	**3.3**	**6.4**	**24**	**41**	ND<0.50	-	-
OXY-1S	7/14/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1S	9/21/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
OXY-1S	12/17/09		**71**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1S	3/5/10		**140**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1S	6/10/10		ND<53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1S	6/10/10	D	ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1S	9/28/10		ND<53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-

Table A-2
Historical Analytical Results of TPH and TPH-Related Compounds
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	TPHd (ug/l)	TPHg (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	TAME (ug/l)	TBA (ug/l)
OXY-1D	1/25/08		**1,000**	**2,400**	**23**	**5**	**92**	**58**	**0.51**	-	-
OXY-1D	2/20/08		**1,300**	**280**	**3.7**	**3.2**	**0.52**	**18**	ND<0.50	-	-
OXY-1D	7/14/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1D	9/21/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
OXY-1D	12/18/09		ND<52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1D	3/4/10		**3,800**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1D	6/10/10		**1,300**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1D	9/28/10		**390**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1LF	1/25/08		**160**	**60**	**0.73**	ND<0.5	**0.65**	**0.70**	ND<0.5	-	-
OXY-1LF	2/20/08		**110**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
OXY-1LF	7/15/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1LF	9/21/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<1.0	ND<2.0	ND<10
OXY-1LF	12/17/09		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1LF	12/17/09	D	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1LF	3/4/10		**130**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1LF	6/10/10		ND<51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
OXY-1LF	9/28/10		ND<53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	-	-
ESLs			*100*	*100*	*1*	*40*	*30*	*20*	*5*	-	12

Notes:
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
MTBE = methyl tertiary-butyl ether
TAME = tert-amyl-methyl ether
TBA = tert-butyl alcohol
Dash indicates not analyzed for given compound, or, no ESL available
Bold values indicate detection above given laboratory reporting limit
ESL = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, May 2008, for groundwater beneath Residential Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.
1 = well abandoned
2 = sampled twice in same quarter due to broken sample containers

ug/l = micrograms per liter
ND = not detected above given laboratory reporting limit
D = duplicate sample
NS = well not sampled

Table A-3
Groundwater Monitoring Inorganic Results - During AIS Operation
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	DO (mg/l)	ORP (mV)	Ferrous Iron $Fe2^{+}$ (mg/l)*	pH (SU)	Conductivity (µS/cm)	Field Parameters Measured by:
MW-1	1/22/08	PT	0.62	-124.3	-	6.88	3,956	LFR
MW-1	2/18/08	PT	0.54	-54	-	6.85	3,148	LFR
MW-1	5/6/09		2.08	1.7	-	7.26	2,689	LFR
MW-1	6/9/09		3.30	-94	-	6.26	2,700	*(Tait)*
MW-1	7/14/09		1.34	-68.4	-	6.89	2,811	LFR
MW-1	9/22/09		3.41	-81	-	6.01	-	*(Tait)*
MW-1	12/17/09		3.50	21.2	0.11	6.61	2,795	AUS
MW-1	3/2/10		1.80	113	0.04	6.75	2,495	AUS
MW-1	6/9/10		3.67	296.2	0.02	6.40	2,382	AUS
MW-1	9/29/10		0.28	91.4	0.2	6.96	2,099	AUS
MW-2S	9/22/09		2.42	-156	-	6.60	-	*(Tait)*
MW-2S	3/3/10		0.25	-64.1	2.6	6.79	1,673	AUS
MW-2S	9/28/10		0.04	-136.4	3.3	6.71	2,418	AUS
MW-2M	9/22/09		2.71	-182	-	6.63	-	*(Tait)*
MW-2M	3/3/10		0.10	-125.2	3.12	6.77	2,286	AUS
MW-2M	9/28/10		0.08	-136.6	2.64	6.75	2,276	AUS
MW-2D	9/22/09		2.97	-162	-	6.82	-	*(Tait)*
MW-2D	3/3/10		0.12	-105.3	2.1	6.80	2,243	AUS
MW-2D	9/28/10		0.10	-129.9	1.76	6.79	2,297	AUS
MW-3	9/22/09		2.40	-170	-	6.65	-	*(Tait)*
MW-3	3/5/10		0.10	-226.5	1.59	6.75	2,889	AUS
MW-3	9/29/10		0.29	-91.5	2.5	6.70	2,948	AUS
MW-4S	9/21/09		3.95	-71	-	7.14	-	*(Tait)*
MW-4S	3/3/10		1.30	-22.5	0.03	7.88	859	AUS
MW-4S	9/27/10		0.12	-105.7	0.5	7.35	2,584	AUS
MW-4D	9/21/09		3.19	-90	-	7.16	-	*(Tait)*
MW-4D	3/3/10		0.13	-81.5	0.15	7.26	2,368	AUS
MW-4D	9/27/10		0.15	-47.2	0.44	7.08	2,954	AUS
MW-5S	9/21/09		2.33	-134	-	6.90	-	*(Tait)*
MW-5S	3/4/10		1.20	-	1.27	-	-	AUS
MW-5S	9/30/10		0.15	-54.5	1.65	6.98	2,030	AUS
MW-5D	9/21/09		2.90	-135	-	7.00	-	*(Tait)*
MW-5D	3/4/10		-	-	1.53	-	-	AUS
MW-5D	9/29/10		0.08	-60.4	2.12	7.04	2,252	AUS
MW-6S	9/22/09		2.40	-182	-	6.81	-	*(Tait)*
MW-6S	3/5/10		0.11	-229.9	1.01	6.89	1,445	AUS
MW-6S	9/29/10		0.13	-81.6	3.3	6.77	2,139	AUS

Table A-3
Groundwater Monitoring Inorganic Results - During AIS Operation
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	DO (mg/l)	ORP (mV)	Ferrous Iron $Fe2^{+}$ (mg/l)*	pH (SU)	Conductivity (µS/cm)	Field Parameters Measured by:
MW-6D	9/22/09		2.07	-164	-	6.85	-	*(Tait)*
MW-6D	3/3/10		0.29	-184.2	1.86	10.61	2,513	AUS
MW-6D	9/27/10		0.21	-114.8	2.94	6.76	2,338	AUS
MW-7S	1/22/08	PT	0.43	-122.6	-	6.68	2,168	LFR
MW-7S	2/18/08	PT	0.50	-12.8	-	6.80	1,542	LFR
MW-7S	5/6/09		0.14	-99.1	-	6.46	2,005	LFR
MW-7S	6/8/09		3.07	-190	-	6.44	2,300	*(Tait)*
MW-7S	7/14/09		0.43	-221.1	-	6.69	2,156	LFR
MW-7S	9/22/09		4.52	-189	-	6.81	-	*(Tait)*
MW-7S	12/18/09		0.71	-81.4	1.62	6.59	1,939	AUS
MW-7S	3/4/10		-	-	1.8	-	-	AUS
MW-7S	6/9/10		0.13	-73.2	2.28	6.80	1,969	AUS
MW-7S	9/28/10		0.12	-128.9	3.3	6.86	2,420	AUS
MW-7D	1/22/08	PT	0.44	-186.7	-	6.77	2,068	LFR
MW-7D	2/19/08	PT	0.27	-125.3	12	6.91	2,035	LFR
MW-7D	5/6/09		0.10	-196.3	-	6.93	1,855	LFR
MW-7D	6/8/09		2.27	-220	-	6.46	2,100	*(Tait)*
MW-7D	7/15/09		0.50	-238.7	2.6	6.77	1,904	LFR
MW-7D	9/23/09		2.31	-224	-	6.51	-	*(Tait)*
MW-7D	12/18/09		2.20	-96	2.6	6.70	1,798	AUS
MW-7D	3/4/10		-	-	1.7	-	-	AUS
MW-7D	6/9/10		0.03	-89.4	2.24	6.75	1,923	AUS
MW-7D	9/28/10		0.08	-77.3	3.3	6.71	2,216	AUS
MW-8	1/22/08	PT	0.55	14.9	-	0.55	1,548	LFR
MW-8	2/18/08	PT	0.38	40.1	-	6.75	1,238	LFR
MW-8	5/6/09		0.24	-16	-	7.22	1,711	LFR
MW-8	6/8/09		2.22	-93	-	6.45	1,900	*(Tait)*
MW-8	7/14/09		0.35	-59.5	-	6.82	1,776	LFR
MW-8	9/23/09		-	-	-	-	-	-
MW-8	12/17/09		2.25	28.1	0.01	6.65	1,489	AUS
MW-8	3/2/10		0.35	115.7	0	6.94	1,658	AUS
MW-8	6/9/10		0.13	141.9	0.03	6.74	1,796	AUS
MW-8	9/28/10		0.23	112	0.08	6.71	2,069	AUS
MW-9S	1/21/08	PT	0.94	-196.2	-	6.76	3,825	LFR
MW-9S	2/19/08	PT	0.73	11.5	0.51	7.16	3,053	LFR
MW-9S	5/6/09		0.77	17.4	-	7.48	2,234	LFR
MW-9S	6/8/09		3.53	47	-	6.75	2,400	*Tait*
MW-9S	6/8/09		6.26	166.3	-	7.24	2,181	LFR
MW-9S	7/15/09		3.53	-4.5	0.15	7.10	2,273	LFR
MW-9S	9/23/09		3.51	47	-	6.71	-	*(Tait)*
MW-9S	12/18/09		7.40	42	0.0	7.26	2,389	AUS
MW-9S	3/4/10		5.42	-231.5	0.06	9.95	2,677	AUS
MW-9S	6/9/10		7.53	243.9	0.14	7.35	2,182	AUS
MW-9S	9/28/10		0.52	63.9	0.01	7.16	2,421	AUS

Table A-3
Groundwater Monitoring Inorganic Results - During AIS Operation
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	DO (mg/l)	ORP (mV)	Ferrous Iron $Fe2^{+}$ (mg/l)*	pH (SU)	Conductivity (µS/cm)	Field Parameters Measured by:
MW-9D	1/21/08	PT	0.86	-267.2	-	6.65	3,111	LFR
MW-9D	2/19/08	PT	0.17	-102.2	30	6.98	2,664	LFR
MW-9D	5/6/09		0.31	-13.9	-	6.99	2,259	LFR
MW-9D	6/8/09		3.70	-338	-	6.75	3,000	*(Tait)*
MW-9D	7/15/09		4.61	18	1.5	6.99	2,010	LFR
MW-9D	9/23/09		4.11	-343	-	6.79	-	*(Tait)*
MW-9D	12/18/09		7.64	27.4	0.18	7.28	1,606	AUS
MW-9D	3/2/10		5.22	133.9	0	7.31	1,878	AUS
MW-9D	6/9/10		3.07	96	0.66	7.28	1,939	AUS
MW-9D	9/28/10		0.28	-61.7	1.27	6.94	2,257	AUS
MW-9LF	1/21/08	PT	0.62	-216.1	-	6.91	2,065	LFR
MW-9LF	2/19/08	PT	6.44	375	1.4	7.48	1,607	LFR
MW-9LF	5/6/09		7.87	6.4	-	7.43	1,749	LFR
MW-9LF	6/8/09		3.65	77	-	7.16	1,900	*(Tait)*
MW-9LF	6/8/09		12.10	211.8	-	7.38	1,716	LFR
MW-9LF	7/15/09		10.09	-15.6	0.89	7.53	1,671	LFR
MW-9LF	9/23/09		3.68	75	-	7.21	-	*(Tait)*
MW-9LF	12/17/09		7.17	66	0.06	7.72	1,342	AUS
MW-9LF	3/2/10		8.05	104.7	0.15	7.61	1,603	AUS
MW-9LF	6/9/10		9.31	155.3	2.53	7.68	1,587	AUS
MW-9LF	9/28/10		10.04	62.4	0	7.41	1,738	AUS
MW-10S	9/23/09		2.94	-112	-	7.01	-	*(Tait)*
MW-10S	3/3/10		0.22	-38.3	0.14	7.23	1,862	AUS
MW-10S	9/29/10		0.31	-24.1	0	6.95	2,287	AUS
MW-10D	9/23/09		2.31	-220	-	6.70	-	*(Tait)*
MW-10D	3/3/10		0.09	-255.9	0	7.37	2,463	AUS
MW-10D	9/29/10		0.18	-162.5	0.13	7.16	3,084	AUS
MW-10LF	9/23/09		2.80	-198	-	6.76	-	*(Tait)*
MW-10LF	3/3/10		0.31	-164.9	1.89	7.03	3,736	AUS
MW-10LF	9/29/10		0.22	-87.8	3.19	6.88	3,888	AUS
MW-11S	9/22/09		2.10	-155	-	7.08	-	*(Tait)*
MW-11S	3/5/10		0.17	-251.6	1.33	6.71	1,852	AUS
MW-11S	9/30/10		0.18	-72.6	1.54	6.96	1,858	AUS
MW-11D	9/22/09		2.64	-214	-	6.83	-	*(Tait)*
MW-11D	3/5/10		0.10	-307.4	0.59	6.68	1,748	AUS
MW-11D	9/30/10		0.10	-57.8	1.97	6.71	1,696	AUS
MW-11LF	9/22/09		2.37	-162	-	7.11	-	*(Tait)*
MW-11LF	3/5/10		0.15	-147.7	1.16	6.60	1,353	AUS
MW-11LF	9/30/10		0.09	-76.8	2.14	7.13	1,368	AUS

Table A-3
Groundwater Monitoring Inorganic Results - During AIS Operation
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	DO (mg/l)	ORP (mV)	Ferrous Iron $Fe2^{+}$ (mg/l)*	pH (SU)	Conductivity (µS/cm)	Field Parameters Measured by:
MW-12S	9/22/09		3.92	-19	-	7.00	-	*(Tait)*
MW-12S	3/5/10		0.17	-175.4	0.26	6.60	1,809	AUS
MW-12S	9/29/10		0.18	38.3	0	6.72	1,820	AUS
MW-12D	9/22/09		3.62	70	-	6.75	-	*(Tait)*
MW-12D	3/5/10		0.09	-267.9	0.11	6.65	1,526	AUS
MW-12D	9/29/10		0.32	34.4	0.05	6.63	1,493	AUS
MW-12LF	9/22/09		7.31	14	-	6.70	-	*(Tait)*
MW-12LF	3/5/10		0.22	-228.1	0	6.74	1,533	AUS
MW-12LF	9/29/10		0.34	27.7	0	6.67	2,054	AUS
OXY-1S	1/25/08	PT	-	-	-	7.16	3,540	LFR
OXY-1S	2/20/08	PT	0.12	20.5	-	7.44	3,065	LFR
OXY-1S	5/6/09		7.56	12.5	-	8.23	2,240	LFR
OXY-1S	6/8/09		3.27	20	-	7.42	2,300	*Tait*
OXY-1S	6/8/09		9.24	143.9	-	7.84	2,129	LFR
OXY-1S	7/14/09		8.22	-143.1	-	7.72	2,159	LFR
OXY-1S	9/21/09		17.09	21	-	7.30	-	*(Tait)*
OXY-1S	12/17/09		6.52	63.7	0.1	7.48	2,307	AUS
OXY-1S	3/5/10		2.12	-169.9	0	7.28	2,417	AUS
OXY-1S	6/10/10		5.80	165.2	0.07	7.59	1,940	AUS
OXY-1S	9/28/10		0.40	10	0.05	7.13	2,068	AUS
OXY-1D	1/25/08	PT	-	-	-	7.27	2,380	LFR
OXY-1D	2/20/08	PT	0.64	83.4	-	7.33	2,228	LFR
OXY-1D	5/6/09		-	-	-	-	-	-
OXY-1D	6/8/09		-	-	-	-	-	-
OXY-1D	7/14/09		6.71	-44	-	7.55	1,663	LFR
OXY-1D	9/21/09		>19.99	78	-	7.20	-	*(Tait)*
OXY-1D	12/18/09		10.33	57.3	0.21	7.51	1,422	AUS
OXY-1D	3/4/10		5.42	-231.5	0.19	9.23	1,689	AUS
OXY-1D	6/10/10		7.40	196	0.24	7.61	1,699	AUS
OXY-1D	9/28/10		0.17	-15.4	-	7.38	1,764	AUS
OXY-1LF	1/25/08	PT	-	-	-	7.53	1,750	LFR
OXY-1LF	2/20/08	PT	1.11	77.4	-	7.32	1,943	LFR
OXY-1LF	5/6/09		-	-	-	-	-	-
OXY-1LF	6/8/09		-	-	-	-	-	-
OXY-1LF	7/15/09		5.30	-83	-	7.11	1,779	LFR
OXY-1LF	9/21/09		14.80	95	-	7.19	-	*(Tait)*
OXY-1LF	12/17/09		3.67	69.1	0.01	6.99	1,563	AUS
OXY-1LF	3/4/10		3.84	-126.4	0	7.11	1,320	AUS
OXY-1LF	6/10/10		6.40	164.8	0.05	7.33	1,846	AUS
OXY-1LF	9/28/10		6.21	61.6	0	7.38	1,905	AUS

Table A-3
Groundwater Monitoring Inorganic Results - During AIS Operation
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	DO (mg/l)	ORP (mV)	Ferrous Iron $Fe2^{+}$ (mg/l)*	pH (SU)	Conductivity (µS/cm)	Field Parameters Measured by:

Notes:
AIS = Air Injection System
DO = Dissolved Oxygen
ORP = Oxidation-Reduction Potential
* = Measured with field kit
AUS = ARCADIS U.S., Inc.
LFR = LFR Inc.
Tait = Tait Environmental Management, Inc.
mV = MilliVolts
mg/l = Milligrams per liter
µS/cm = micro-Siemens per centimeter
SU = Standard units
PT = Pilot Test; sample collected during the air injection pilot test
Dash indicates that no measurement was made or no sample was collected.

ARCADIS

Appendix B

Certified Laboratory Analytical Reports

ANALYTICAL REPORT

Job Number: 720-30798-1

Job Description: Hanson Sunol,CA

For:
ARCADIS U.S., Inc Formerly LFR, Inc.
1900 Powell St 12th Floor
Emeryville, CA 94608-1827

Attention: Mr. Ron Goloubow

Approved for release.
Afsaneh Salimpour
Project Manager I
10/6/2010 5:35 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
10/06/2010

CA ELAP Certification # 2496
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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30798-4	**MW-6D**				
Methyl tert-butyl ether		33	0.50	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Le, Lien	LL
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30798-1TB	Trip Blank	Water	09/27/2010 0000	09/27/2010 1720
720-30798-2	MW-4D	Water	09/27/2010 1505	09/27/2010 1720
720-30798-3	MW-4S	Water	09/27/2010 1545	09/27/2010 1720
720-30798-4	MW-6D	Water	09/27/2010 1540	09/27/2010 1720
720-30798-5	MW-4S-D	Water	09/27/2010 1555	09/27/2010 1720

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 720-30798-1TB
Client Matrix: Water

Date Sampled: 09/27/2010 0000
Date Received: 09/27/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78993		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	30798-A-1 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2333			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2333				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		67 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: MW-4D

Lab Sample ID: 720-30798-2 Date Sampled: 09/27/2010 1505
Client Matrix: Water Date Received: 09/27/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78993	Instrument ID:	SAT 3900C	
Preparation:	5030B		Lab File ID:	30798-A-2 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 0504		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 0504				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		67 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: MW-4S

Lab Sample ID: 720-30798-3 Date Sampled: 09/27/2010 1545
Client Matrix: Water Date Received: 09/27/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78993	Instrument ID:	SAT 3900C	
Preparation:	5030B		Lab File ID:	30798-A-3 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 0532		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 0532				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		67 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: MW-6D

Lab Sample ID: 720-30798-4 Date Sampled: 09/27/2010 1540
Client Matrix: Water Date Received: 09/27/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30798-A-4 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 0120		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 0120				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	33		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	83		67 - 130
Toluene-d8 (Surr)	83		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: **MW-4S-D**

Lab Sample ID: 720-30798-5 Date Sampled: 09/27/2010 1555
Client Matrix: Water Date Received: 09/27/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30798-A-5 9-30-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/30/2010 0147			Final Weight/Volume:	10 mL
Date Prepared:	09/30/2010 0147				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	92		67 - 130
Toluene-d8 (Surr)	84		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: MW-4D

Lab Sample ID: 720-30798-2 Date Sampled: 09/27/2010 1505
Client Matrix: Water Date Received: 09/27/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79290	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 2217		Injection Volume: 1 uL
Date Prepared:	10/05/2010 0934		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.1		0 - 5
p-Terphenyl	92		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: MW-4S

Lab Sample ID: 720-30798-3 Date Sampled: 09/27/2010 1545
Client Matrix: Water Date Received: 09/27/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79290	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 2240		Injection Volume: 1 uL
Date Prepared:	10/05/2010 0934		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	95		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: MW-6D

Lab Sample ID: 720-30798-4 Date Sampled: 09/27/2010 1540
Client Matrix: Water Date Received: 09/27/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79290	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293	Initial Weight/Volume: 960 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 2304		Injection Volume: 1 uL
Date Prepared:	10/05/2010 0934		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	95		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Client Sample ID: MW-4S-D

Lab Sample ID: 720-30798-5 Date Sampled: 09/27/2010 1555
Client Matrix: Water Date Received: 09/27/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79290	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 2327		Injection Volume: 1 uL
Date Prepared:	10/05/2010 0934		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	92		31 - 150

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-78966					
LCS 720-78966/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-78966/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-78966/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-78966/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-78966/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30798-4	MW-6D	T	Water	8260B/CA_LUFT	
720-30798-5	MW-4S-D	T	Water	8260B/CA_LUFT	
720-30810-A-2 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30810-A-2 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
Analysis Batch:720-78993					
LCS 720-78993/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-78993/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-78993/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-78993/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-78993/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30798-1TB	Trip Blank	T	Water	8260B/CA_LUFT	
720-30798-2	MW-4D	T	Water	8260B/CA_LUFT	
720-30798-3	MW-4S	T	Water	8260B/CA_LUFT	
720-30813-A-3 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30813-A-3 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	

Report Basis
T = Total

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79290					
LCS 720-79293/2-A	Lab Control Sample	A	Water	8015B	720-79293
LCSD 720-79293/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79293
720-30798-2	MW-4D	A	Water	8015B	720-79293
720-30798-3	MW-4S	A	Water	8015B	720-79293
720-30798-4	MW-6D	A	Water	8015B	720-79293
720-30798-5	MW-4S-D	A	Water	8015B	720-79293
Prep Batch: 720-79293					
LCS 720-79293/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79293/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79293/1-A	Method Blank	A	Water	3510C SGC	
720-30798-2	MW-4D	A	Water	3510C SGC	
720-30798-3	MW-4S	A	Water	3510C SGC	
720-30798-4	MW-6D	A	Water	3510C SGC	
720-30798-5	MW-4S-D	A	Water	3510C SGC	
Analysis Batch:720-79353					
MB 720-79293/1-A	Method Blank	A	Water	8015B	720-79293

Report Basis
A = Silica Gel Cleanup

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30798-1

Method Blank - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-78966/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1605
Date Prepared: 09/29/2010 1605

Analysis Batch: 720-78966
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: MB 9-29-2010 4;05;18 PM.
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	67 - 130
1,2-Dichloroethane-d4 (Surr)	86	67 - 130
Toluene-d8 (Surr)	89	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-78966/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1630
Date Prepared: 09/29/2010 1630

Analysis Batch: 720-78966
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS 9-29-2010 4;30;45 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-78966/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1656
Date Prepared: 09/29/2010 1656

Analysis Batch: 720-78966
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD 9-29-2010 4;56;11 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	101	99	62 - 130	2	20		
Benzene	97	95	82 - 127	2	20		
Ethylbenzene	96	104	86 - 135	8	20		
Toluene	89	97	83 - 129	8	20		
m-Xylene & p-Xylene	97	102	70 - 142	5	20		
o-Xylene	101	107	89 - 136	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	94	93	67 - 130
1,2-Dichloroethane-d4 (Surr)	86	88	67 - 130
Toluene-d8 (Surr)	92	91	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-78966/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1724
Date Prepared: 09/29/2010 1724

Analysis Batch: 720-78966
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS G 9-29-2010 5;24;21 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-78966/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1749
Date Prepared: 09/29/2010 1749

Analysis Batch: 720-78966
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD G 9-29-2010 5;49;44 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	95	96	62 - 117	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	91	67 - 130
1,2-Dichloroethane-d4 (Surr)	98	96	67 - 130
Toluene-d8 (Surr)	96	95	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30810-A-2 MS	Analysis Batch: 720-78966	Instrument ID: SAT 3900A
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30810-A-2MS 9-29-2010
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	09/29/2010 1918		Final Weight/Volume: 10 mL
Date Prepared:	09/29/2010 1918		

MSD Lab Sample ID:	720-30810-A-2 MSD	Analysis Batch: 720-78966	Instrument ID: SAT 3900A
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30810-A-2MSD 9-29-2010
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	09/29/2010 1944		Final Weight/Volume: 10 mL
Date Prepared:	09/29/2010 1944		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	96	99	60 - 138	3	20		
Benzene	90	97	60 - 140	7	20		
Ethylbenzene	94	99	60 - 140	5	20		
Toluene	88	90	60 - 140	2	20		
m-Xylene & p-Xylene	94	97	60 - 140	3	20		
o-Xylene	95	100	60 - 140	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	92	96	67 - 130
1,2-Dichloroethane-d4 (Surr)	90	93	67 - 130
Toluene-d8 (Surr)	92	93	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Method Blank - Batch: 720-78993

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-78993/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2100
Date Prepared: 09/29/2010 2100

Analysis Batch: 720-78993
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: MB 9-29-2010 9;00;14 PM.
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	91	67 - 130
1,2-Dichloroethane-d4 (Surr)	96	67 - 130
Toluene-d8 (Surr)	94	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78993

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-78993/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2127
Date Prepared: 09/29/2010 2127

Analysis Batch: 720-78993
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCS 9-29-2010 9;27;55 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-78993/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2155
Date Prepared: 09/29/2010 2155

Analysis Batch: 720-78993
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCSD 9-29-2010 9;55;28 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	99	95	62 - 130	4	20		
Benzene	97	95	82 - 127	2	20		
Ethylbenzene	99	100	86 - 135	1	20		
Toluene	98	98	83 - 129	0	20		
m-Xylene & p-Xylene	104	102	70 - 142	1	20		
o-Xylene	95	97	89 - 136	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	102	99	67 - 130
Toluene-d8 (Surr)	93	90	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78993

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-78993/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2223
Date Prepared: 09/29/2010 2223

Analysis Batch: 720-78993
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCS G 9-29-2010 10;23;08
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-78993/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2250
Date Prepared: 09/29/2010 2250

Analysis Batch: 720-78993
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCSD G 9-29-2010 10;50;46
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	68	69	62 - 117	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	103	99	67 - 130
1,2-Dichloroethane-d4 (Surr)	100	98	67 - 130
Toluene-d8 (Surr)	94	92	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-78993

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30813-A-3 MS	Analysis Batch: 720-78993	Instrument ID: SAT 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30813-A-3MS 9-30-2010
Dilution:	20		Initial Weight/Volume: 10 mL
Date Analyzed:	09/30/2010 0314		Final Weight/Volume: 10 mL
Date Prepared:	09/30/2010 0314		

MSD Lab Sample ID:	720-30813-A-3 MSD	Analysis Batch: 720-78993	Instrument ID: SAT 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30813-A-3MSD 9-30-2010
Dilution:	20		Initial Weight/Volume: 10 mL
Date Analyzed:	09/30/2010 0341		Final Weight/Volume: 10 mL
Date Prepared:	09/30/2010 0341		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	94	101	60 - 138	8	20		
Benzene	94	117	60 - 140	9	20		
Ethylbenzene	97	103	60 - 140	4	20		
Toluene	96	102	60 - 140	5	20		
m-Xylene & p-Xylene	103	109	60 - 140	4	20		
o-Xylene	101	102	60 - 140	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	94	67 - 130
1,2-Dichloroethane-d4 (Surr)	100	107	67 - 130
Toluene-d8 (Surr)	92	96	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30798-1

Method Blank - Batch: 720-79293

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79293/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0958
Date Prepared: 10/05/2010 0934

Analysis Batch: 720-79353
Prep Batch: 720-79293
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.3	0 - 5
p-Terphenyl	91	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79293

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79293/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0211
Date Prepared: 10/05/2010 0934

Analysis Batch: 720-79290
Prep Batch: 720-79293
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1005105b_043.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79293/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0234
Date Prepared: 10/05/2010 0934

Analysis Batch: 720-79290
Prep Batch: 720-79293
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1005105b_044.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

		% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	45	43	32 - 119	5	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	102	98	31 - 150

720-30798

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

12741

SAMPLE COLLECTOR:
LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: EM009480.0013.00002 | SECTION NO.: | DATE: 9/27/10 | SAMPLER'S INITIALS: MD | SERIAL Nº 5475

PROJECT NAME: Hanson Sunol | SAMPLER (Signature): [signature]

10/06/2010

	SAMPLE							ANALYSES											REMARKS
	SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8260)	VOCs (EPA 8260/624)	Metals (EPA 6010/7000)	MTBE (8260)	TAT: Standard	TAT: RUSH:	TAT: HOLD	*VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List **Metals: ☐ CAM17 ☐ RCRA ☐ LUFT	
1	Trip Blank	9/27/10	—	[redacted]	2	X			X	X			X	X	X				
2	MW-4D	↓	1505	[redacted]	5	X		X	X	X			X	X	X				*TPHd with silica gel clean-up
3	MW-4S		1545	[redacted]	5	X		X	X	X			X	X	X				
4	MW-6D		1540	[redacted]	5	X		X	X	X			X	X	X				
5	MW-4S-D		1555	[redacted]	5	X		X	X	X			X	X	X				

SAMPLE RECEIPT		METHOD OF SHIPMENT	RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
☐ Intact ☒ Cold ☒ On Ice ☐ Ambient	Cooler Temp: 8.6°C	hand deliver	[signature] 9/27/10	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
Preservative Correct? ☐ Yes ☐ No ☐ N/A	Cooler No:	LAB REPORT NO.:	Lacqui Snooke 9/27/10	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
		FAX COC CONFIRMATION TO: Max Macleod	(PRINTED NAME) (TIME) 1720	(COMPANY)	(COMPANY)
			(COMPANY)		
ANALYTICAL LABORATORY: Test America (4PM)		FAX RESULTS TO: Max Macleod	**RECEIVED BY:** 1	**RECEIVED BY:** 2	**RECEIVED BY (LABORATORY):** 3
		SEND HARDCOPY TO: Max Macleod	[signature] 9/27/10	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
		SEND EDD TO: EMV.LABEDDS.COM	(PRINTED NAME) (TIME) 1120	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
			(COMPANY)	(COMPANY)	(COMPANY)

Shipping Copy (White) File Copy (Yellow) Field Copy (Pink) CHAIN of CUSTODY - ANALYSES FORM.CDR : 5/2003

Login Sample Receipt Check List

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30798-1

Login Number: 30798
List Source: TestAmerica San Francisco
Creator: Hoang, Julie
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30810-1

Job Description: Hansio Sunol

For:
ARCADIS U.S., Inc Formerly LFR, Inc.
1900 Powell St 12th Floor
Emeryville, CA 94608-1827

Attention: Mr. Ron Goloubow

Approved for release.
Afsaneh Salimpour
Project Manager I
10/6/2010 6:03 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
10/06/2010

CA ELAP Certification # 2705
NELAC Certification # 01117CA
The Chain(s) of Custody are included and are an integral part of this report.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30810-4	**MW-7D**				
Benzene		55	25	ug/L	8260B/CA_LUFTMS
Ethylbenzene		490	25	ug/L	8260B/CA_LUFTMS
Toluene		29	25	ug/L	8260B/CA_LUFTMS
Xylenes, Total		270	50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		13000	2500	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1600	51	ug/L	8015B
720-30810-5	**MW-9D**				
Benzene		1.2	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		3.5	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		320	50	ug/L	8260B/CA_LUFTMS
720-30810-6	**MW-7S**				
Gasoline Range Organics (GRO)-C5-C12		430	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		75	51	ug/L	8015B
720-30810-8	**MW-2D**				
Methyl tert-butyl ether		19	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		50	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		280	51	ug/L	8015B
720-30810-9	**OXY-1D**				
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		390	55	ug/L	8015B
720-30810-10	**MW-2S**				
Methyl tert-butyl ether		21	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		74	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1200	53	ug/L	8015B

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30810-12	**MW-2M**				
Methyl tert-butyl ether		12	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		170	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		450	51	ug/L	8015B

METHOD SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Le, Lien	LL
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30810-1TB	Trip Blank	Water	09/28/2010 0000	09/28/2010 1625
720-30810-2	MW-8	Water	09/28/2010 0945	09/28/2010 1625
720-30810-3	MW-9S	Water	09/28/2010 1025	09/28/2010 1625
720-30810-4	MW-7D	Water	09/28/2010 1045	09/28/2010 1625
720-30810-5	MW-9D	Water	09/28/2010 1100	09/28/2010 1625
720-30810-6	MW-7S	Water	09/28/2010 1135	09/28/2010 1625
720-30810-7	MW-9LF	Water	09/28/2010 1048	09/28/2010 1625
720-30810-8	MW-2D	Water	09/28/2010 1335	09/28/2010 1625
720-30810-9	OXY-1D	Water	09/28/2010 1340	09/28/2010 1625
720-30810-10	MW-2S	Water	09/28/2010 1420	09/28/2010 1625
720-30810-11	OXY-1S	Water	09/28/2010 1425	09/28/2010 1625
720-30810-12	MW-2M	Water	09/28/2010 1505	09/28/2010 1625
720-30810-13	OXY-1LF	Water	09/28/2010 1510	09/28/2010 1625
720-30810-14	MW-8-D	Water	09/28/2010 0955	09/28/2010 1625

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 720-30810-1TB Date Sampled: 09/28/2010 0000
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-1 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1828			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1828				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	83		67 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-30810-2 Date Sampled: 09/28/2010 0945
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-2 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1853			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1853				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		67 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-9S**

Lab Sample ID: 720-30810-3 Date Sampled: 09/28/2010 1025
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-3 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2009			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2009				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	87		67 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-7D**

Lab Sample ID: 720-30810-4 Date Sampled: 09/28/2010 1045
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-4 9-29-2010
Dilution:	50			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2035			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2035				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		25
Benzene	55		25
Ethylbenzene	490		25
Toluene	29		25
Xylenes, Total	270		50
Gasoline Range Organics (GRO)-C5-C12	13000		2500

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		67 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-9D**

Lab Sample ID: 720-30810-5 Date Sampled: 09/28/2010 1100
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-5 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2100			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2100				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	1.2		0.50
Ethylbenzene	3.5		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	320		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	90		67 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-7S**

Lab Sample ID: 720-30810-6 Date Sampled: 09/28/2010 1135
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-6 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2125			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2125				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	430		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	93		67 - 130
Toluene-d8 (Surr)	87		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-9LF**

Lab Sample ID: 720-30810-7 Date Sampled: 09/28/2010 1048
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-7 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2150			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2150				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		67 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-2D**

Lab Sample ID: 720-30810-8 Date Sampled: 09/28/2010 1335
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-8 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2216			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2216				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	19		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	50		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	88		67 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **OXY-1D**

Lab Sample ID: 720-30810-9 Date Sampled: 09/28/2010 1340
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-9 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2241			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2241				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		67 - 130
1,2-Dichloroethane-d4 (Surr)	87		67 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-2S**

Lab Sample ID: 720-30810-10 Date Sampled: 09/28/2010 1420
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-10
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2307			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2307				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	21		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	74		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		67 - 130
1,2-Dichloroethane-d4 (Surr)	85		67 - 130
Toluene-d8 (Surr)	85		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **OXY-1S**

Lab Sample ID: 720-30810-11 Date Sampled: 09/28/2010 1425
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-11
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 2333			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 2333				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		67 - 130
Toluene-d8 (Surr)	87		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-2M**

Lab Sample ID: 720-30810-12 Date Sampled: 09/28/2010 1505
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-12
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/30/2010 0004			Final Weight/Volume:	10 mL
Date Prepared:	09/30/2010 0004				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	12		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	170		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	87		67 - 130
Toluene-d8 (Surr)	87		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **OXY-1LF**

Lab Sample ID: 720-30810-13 Date Sampled: 09/28/2010 1510
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-13
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/30/2010 0030			Final Weight/Volume:	10 mL
Date Prepared:	09/30/2010 0030				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	91		67 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-8-D**

Lab Sample ID: 720-30810-14 Date Sampled: 09/28/2010 0955
Client Matrix: Water Date Received: 09/28/2010 1625

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-78966		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	30810-A-14
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/30/2010 0055			Final Weight/Volume:	10 mL
Date Prepared:	09/30/2010 0055				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	84		67 - 130
Toluene-d8 (Surr)	84		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-30810-2 Date Sampled: 09/28/2010 0945
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79290		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293		Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 0101			Injection Volume:	1 uL
Date Prepared:	10/05/2010 0934			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.4		0 - 5
p-Terphenyl	92		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-9S**

Lab Sample ID: 720-30810-3 Date Sampled: 09/28/2010 1025
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79290		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293		Initial Weight/Volume:	900 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 0124			Injection Volume:	1 uL
Date Prepared:	10/05/2010 0934			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		55

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	94		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-7D**

Lab Sample ID: 720-30810-4 Date Sampled: 09/28/2010 1045
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79290		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293		Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 0147			Injection Volume:	1 uL
Date Prepared:	10/05/2010 0934			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1600		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	84		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-9D**

Lab Sample ID: 720-30810-5 Date Sampled: 09/28/2010 1100
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	900 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1036			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		55

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.9		0 - 5
p-Terphenyl	91		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-7S**

Lab Sample ID: 720-30810-6 Date Sampled: 09/28/2010 1135
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1059			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	75		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	97		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-9LF**

Lab Sample ID: 720-30810-7 Date Sampled: 09/28/2010 1048
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1122			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	89		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-2D**

Lab Sample ID: 720-30810-8 Date Sampled: 09/28/2010 1335
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1146			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	280		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	78		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **OXY-1D**

Lab Sample ID: 720-30810-9 Date Sampled: 09/28/2010 1340
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	900 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1209			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	390		55

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	73		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-2S**

Lab Sample ID: 720-30810-10 Date Sampled: 09/28/2010 1420
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1232			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1200		53

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	4		0 - 5
p-Terphenyl	86		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **OXY-1S**

Lab Sample ID: 720-30810-11 Date Sampled: 09/28/2010 1425
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1312			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		53

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	81		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-2M**

Lab Sample ID: 720-30810-12 Date Sampled: 09/28/2010 1505
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1335			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	450		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	2		0 - 5
p-Terphenyl	70		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **OXY-1LF**

Lab Sample ID: 720-30810-13 Date Sampled: 09/28/2010 1510
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1358			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		53

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	96		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Client Sample ID: **MW-8-D**

Lab Sample ID: 720-30810-14 Date Sampled: 09/28/2010 0955
Client Matrix: Water Date Received: 09/28/2010 1625

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79356		Instrument ID:	CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79304		Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/06/2010 1422			Injection Volume:	1 uL
Date Prepared:	10/05/2010 1205			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	92		31 - 150

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-78966					
LCS 720-78966/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-78966/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-78966/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-78966/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-78966/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30810-1TB	Trip Blank	T	Water	8260B/CA_LUFT	
720-30810-2	MW-8	T	Water	8260B/CA_LUFT	
720-30810-2MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30810-2MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-30810-3	MW-9S	T	Water	8260B/CA_LUFT	
720-30810-4	MW-7D	T	Water	8260B/CA_LUFT	
720-30810-5	MW-9D	T	Water	8260B/CA_LUFT	
720-30810-6	MW-7S	T	Water	8260B/CA_LUFT	
720-30810-7	MW-9LF	T	Water	8260B/CA_LUFT	
720-30810-8	MW-2D	T	Water	8260B/CA_LUFT	
720-30810-9	OXY-1D	T	Water	8260B/CA_LUFT	
720-30810-10	MW-2S	T	Water	8260B/CA_LUFT	
720-30810-11	OXY-1S	T	Water	8260B/CA_LUFT	
720-30810-12	MW-2M	T	Water	8260B/CA_LUFT	
720-30810-13	OXY-1LF	T	Water	8260B/CA_LUFT	
720-30810-14	MW-8-D	T	Water	8260B/CA_LUFT	

Report Basis
T = Total

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79290					
LCS 720-79293/2-A	Lab Control Sample	A	Water	8015B	720-79293
LCSD 720-79293/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79293
720-30810-2	MW-8	A	Water	8015B	720-79293
720-30810-3	MW-9S	A	Water	8015B	720-79293
720-30810-4	MW-7D	A	Water	8015B	720-79293
Prep Batch: 720-79293					
LCS 720-79293/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79293/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79293/1-A	Method Blank	A	Water	3510C SGC	
720-30810-2	MW-8	A	Water	3510C SGC	
720-30810-3	MW-9S	A	Water	3510C SGC	
720-30810-4	MW-7D	A	Water	3510C SGC	
Prep Batch: 720-79304					
LCS 720-79304/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79304/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79304/1-A	Method Blank	A	Water	3510C SGC	
720-30810-5	MW-9D	A	Water	3510C SGC	
720-30810-6	MW-7S	A	Water	3510C SGC	
720-30810-7	MW-9LF	A	Water	3510C SGC	
720-30810-8	MW-2D	A	Water	3510C SGC	
720-30810-9	OXY-1D	A	Water	3510C SGC	
720-30810-10	MW-2S	A	Water	3510C SGC	
720-30810-11	OXY-1S	A	Water	3510C SGC	
720-30810-12	MW-2M	A	Water	3510C SGC	
720-30810-13	OXY-1LF	A	Water	3510C SGC	
720-30810-14	MW-8-D	A	Water	3510C SGC	
Analysis Batch:720-79353					
MB 720-79293/1-A	Method Blank	A	Water	8015B	720-79293

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79356					
LCS 720-79304/2-A	Lab Control Sample	A	Water	8015B	720-79304
LCSD 720-79304/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79304
MB 720-79304/1-A	Method Blank	A	Water	8015B	720-79304
720-30810-5	MW-9D	A	Water	8015B	720-79304
720-30810-6	MW-7S	A	Water	8015B	720-79304
720-30810-7	MW-9LF	A	Water	8015B	720-79304
720-30810-8	MW-2D	A	Water	8015B	720-79304
720-30810-9	OXY-1D	A	Water	8015B	720-79304
720-30810-10	MW-2S	A	Water	8015B	720-79304
720-30810-11	OXY-1S	A	Water	8015B	720-79304
720-30810-12	MW-2M	A	Water	8015B	720-79304
720-30810-13	OXY-1LF	A	Water	8015B	720-79304
720-30810-14	MW-8-D	A	Water	8015B	720-79304

Report Basis

A = Silica Gel Cleanup

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30810-1

Method Blank - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-78966/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1605
Date Prepared: 09/29/2010 1605

Analysis Batch: 720-78966
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: MB 9-29-2010 4;05;18 PM.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	67 - 130
1,2-Dichloroethane-d4 (Surr)	86	67 - 130
Toluene-d8 (Surr)	89	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-78966/5	Analysis Batch:	720-78966	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCS 9-29-2010 4;30;45 PM.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1630			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1630				

LCSD Lab Sample ID:	LCSD 720-78966/6	Analysis Batch:	720-78966	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCSD 9-29-2010 4;56;11 PM.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1656			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1656				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	101	99	62 - 130	2	20		
Benzene	97	95	82 - 127	2	20		
Ethylbenzene	96	104	86 - 135	8	20		
Toluene	89	97	83 - 129	8	20		
m-Xylene & p-Xylene	97	102	70 - 142	5	20		
o-Xylene	101	107	89 - 136	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	94	93	67 - 130
1,2-Dichloroethane-d4 (Surr)	86	88	67 - 130
Toluene-d8 (Surr)	92	91	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-78966/7	Analysis Batch:	720-78966	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCS G 9-29-2010 5;24;21 PM
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1724			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1724				

LCSD Lab Sample ID:	LCSD 720-78966/8	Analysis Batch:	720-78966	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LCSD G 9-29-2010 5;49;44 PM
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1749			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1749				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	95	96	62 - 117	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	91	67 - 130
1,2-Dichloroethane-d4 (Surr)	98	96	67 - 130
Toluene-d8 (Surr)	96	95	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30810-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-78966

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30810-2	Analysis Batch:	720-78966	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30810-A-2MS 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1918			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1918				

MSD Lab Sample ID:	720-30810-2	Analysis Batch:	720-78966	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30810-A-2MSD 9-29-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/29/2010 1944			Final Weight/Volume:	10 mL
Date Prepared:	09/29/2010 1944				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	96	99	60 - 138	3	20		
Benzene	90	97	60 - 140	7	20		
Ethylbenzene	94	99	60 - 140	5	20		
Toluene	88	90	60 - 140	2	20		
m-Xylene & p-Xylene	94	97	60 - 140	3	20		
o-Xylene	95	100	60 - 140	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	92	96	67 - 130
1,2-Dichloroethane-d4 (Surr)	90	93	67 - 130
Toluene-d8 (Surr)	92	93	70 - 130

Method Blank - Batch: 720-79293

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79293/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0958
Date Prepared: 10/05/2010 0934

Analysis Batch: 720-79353
Prep Batch: 720-79293
Units: ug/L

Instrument ID: CHDRO6
Lab File ID: FID1000009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.3	0 - 5
p-Terphenyl	91	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79293

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79293/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0211
Date Prepared: 10/05/2010 0934

Analysis Batch: 720-79290
Prep Batch: 720-79293
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1005105b_043.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79293/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0234
Date Prepared: 10/05/2010 0934

Analysis Batch: 720-79290
Prep Batch: 720-79293
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1005105b_044.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	45	43	32 - 119	5	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	102	98	31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30810-1

Method Blank - Batch: 720-79304

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79304/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0925
Date Prepared: 10/05/2010 1205

Analysis Batch: 720-79356
Prep Batch: 720-79304
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1006105b_007.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	101	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79304

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79304/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0949
Date Prepared: 10/05/2010 1205

Analysis Batch: 720-79356
Prep Batch: 720-79304
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1006105b_008.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79304/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1012
Date Prepared: 10/05/2010 1205

Analysis Batch: 720-79356
Prep Batch: 720-79304
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1006105b_009.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	53	53	32 - 119	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	108	113	31 - 150

720-30810

127177

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: EM009480.0013.00002
SECTION NO.:
DATE: 9/28/10
SAMPLER'S INITIALS: MD
PROJECT NAME: Hanson Sunol
SAMPLER (Signature):
SERIAL Nº 5474

10/06/2010

SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA [illegible])	BTEX (EPA [illegible]) (8260)	VOCs (EPA 8260/624)	Metals (EPA 6010/7000)	MTBE (8260)	TAT: Standard	TAT: RUSH:	TAT: HOLD	REMARKS
Trip Blank	9/28/10	—		2		X		X	X			X					
MW-8		0945		5			X										*TPHd with silica gel clean-up
MW-9S		1025															
MW-7D		1045															
MW-9D		1100															
MW-7S		1135															
MW-9LF		1048															
MW-2D		1335															
OXY-1D		1340															
MW-2S		1420															
OXY-1S		1425															
MW-2M		1505															
OXY-1LF		1510															
MW-8-D		0955															

*VOCs: **Metals:
☐ 8260 List ☐ CAM17
☐ 8240 List ☐ RCRA
☐ 8010 List ☐ LUFT
☐ 624 List

5.4 | 4.8 | 4.2°C

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SAMPLE RECEIPT: Cooler Temp:
☐ Intact ☒ Cold
☒ On Ice ☐ Ambient
Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A

ANALYTICAL LABORATORY: Test America

METHOD OF SHIPMENT: hand deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Max MacLeod
FAX RESULTS TO: Max Macleod
SEND HARDCOPY TO: Max Macleod
SEND EDD TO: EMV.LABEDDS.COM

RELINQUISHED BY: 1 (SIGNATURE) (DATE) 9/28
(PRINTED NAME) Milan Drogonic (TIME) 1625
(COMPANY) ARCADIS

RECEIVED BY: 1 (SIGNATURE) (DATE) 9/28/10
(PRINTED NAME) (TIME) 1625
(COMPANY) TASF

RELINQUISHED BY: 2 (SIGNATURE) (DATE) (PRINTED NAME) (TIME) (COMPANY)

RECEIVED BY: 2 (SIGNATURE) (DATE) (PRINTED NAME) (TIME) (COMPANY)

RELINQUISHED BY: 3 (SIGNATURE) (DATE) (PRINTED NAME) (TIME) (COMPANY)

RECEIVED BY (LABORATORY): 3 (SIGNATURE) (DATE) (PRINTED NAME) (TIME) (COMPANY)

Shipping Copy (White) File Copy (Yellow) Field Copy (Pink)

CHAIN of CUSTODY - ANALYSES FORM.CDR 5/2003

Login Sample Receipt Check List

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30810-1

Login Number: 30810

List Source: TestAmerica San Francisco

Creator: Hoang, Julie

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30860-1

Job Description: Hanson Sunol

For:
ARCADIS U.S., Inc Formerly LFR, Inc.
1900 Powell St 12th Floor
Emeryville, CA 94608-1827

Attention: Mr. Max Macleod

Approved for release.
Afsaneh Salimpour
Project Manager I
10/11/2010 12:03 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
10/11/2010

CA ELAP Certification # 2705
NELAC Certification # 01117CA
The Chain(s) of Custody are included and are an integral part of this report.
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The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-30860-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Capric acid surrogate recovery for the following sample(s) was outside control limits: MW-6S (720-30860-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30860-2	**MW-1**				
Gasoline Range Organics (GRO)-C5-C12		50	50	ug/L	8260B/CA_LUFTMS
720-30860-4	**MW-10D**				
Ethylbenzene		14	5.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		2300	500	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		150	52	ug/L	8015B
720-30860-5	**MW-5D**				
Methyl tert-butyl ether		1.2	0.50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		51	51	ug/L	8015B
720-30860-6	**MW-10LF**				
Methyl tert-butyl ether		0.83	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		240	50	ug/L	8260B/CA_LUFTMS
720-30860-7	**MW-3**				
Methyl tert-butyl ether		48	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		80	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		190	52	ug/L	8015B
720-30860-8	**MW-6S**				
Methyl tert-butyl ether		23	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		0.70	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		470	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		180	51	ug/L	8015B
720-30860-10	**MW-12LF**				
Methyl tert-butyl ether		0.61	0.50	ug/L	8260B/CA_LUFTMS

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30860-12TB	**MW-1-D**				
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		57	51	ug/L	8015B

METHOD SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8260B/CA_LUFTMS	Nguyen, Thuy M	TMN
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30860-1	Trip Blank	Water	09/29/2010 0000	09/29/2010 1720
720-30860-2	MW-1	Water	09/29/2010 0000	09/29/2010 1720
720-30860-3	MW-10S	Water	09/29/2010 0000	09/29/2010 1720
720-30860-4	MW-10D	Water	09/29/2010 0000	09/29/2010 1720
720-30860-5	MW-5D	Water	09/29/2010 0000	09/29/2010 1720
720-30860-6	MW-10LF	Water	09/29/2010 0000	09/29/2010 1720
720-30860-7	MW-3	Water	09/29/2010 0000	09/29/2010 1720
720-30860-8	MW-6S	Water	09/29/2010 0000	09/29/2010 1720
720-30860-9	MW-12S	Water	09/29/2010 0000	09/29/2010 1720
720-30860-10	MW-12LF	Water	09/29/2010 0000	09/29/2010 1720
720-30860-11	MW-12D	Water	09/29/2010 0000	09/29/2010 1720
720-30860-12TB	MW-1-D	Water	09/29/2010 0000	09/29/2010 1720

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 720-30860-1 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-1 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 1817		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 1817				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	82		67 - 130
Toluene-d8 (Surr)	86		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-1

Lab Sample ID: 720-30860-2 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-2 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 1843		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 1843				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	50		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	83		67 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-10S

Lab Sample ID: 720-30860-3 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-3 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 2002		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 2002				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		67 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-10D

Lab Sample ID: 720-30860-4 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-4 9-30-2010	
Dilution:	10		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 2027		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 2027				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Benzene	ND		5.0
Ethylbenzene	14		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	2300		500

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		67 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-5D

Lab Sample ID: 720-30860-5 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-5 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 2053		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 2053				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	1.2		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		67 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-10LF

Lab Sample ID: 720-30860-6 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79119	Instrument ID:	SAT 3900A
Preparation:	5030B		Lab File ID:	30860B6 10-1-2010
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	10/01/2010 1517		Final Weight/Volume:	10 mL
Date Prepared:	10/01/2010 1517			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	0.83		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	240		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	82		67 - 130
Toluene-d8 (Surr)	86		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-3

Lab Sample ID: 720-30860-7 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-7 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 2144		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 2144				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	48		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	80		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	87		67 - 130
Toluene-d8 (Surr)	87		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-6S

Lab Sample ID: 720-30860-8 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-8 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 2209		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 2209				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	23		0.50
Benzene	ND		0.50
Ethylbenzene	0.70		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	470		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	88		67 - 130
1,2-Dichloroethane-d4 (Surr)	84		67 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-12S

Lab Sample ID: 720-30860-9 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-9 9-30-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 2234		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 2234				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	90		67 - 130
Toluene-d8 (Surr)	87		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-12LF

Lab Sample ID: 720-30860-10 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A
Preparation:	5030B		Lab File ID:	30860-A-10
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	09/30/2010 2300		Final Weight/Volume:	10 mL
Date Prepared:	09/30/2010 2300			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	0.61		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	84		67 - 130
Toluene-d8 (Surr)	87		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-12D

Lab Sample ID: 720-30860-11 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30860-A-11	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	09/30/2010 2325		Final Weight/Volume:	10	mL
Date Prepared:	09/30/2010 2325				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	84		67 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-1-D

Lab Sample ID: 720-30860-12TB
Client Matrix: Water

Date Sampled: 09/29/2010 0000
Date Received: 09/29/2010 1720

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79071	Instrument ID: SAT 3900A
Preparation:	5030B		Lab File ID: 30860-A-12
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	09/30/2010 2350		Final Weight/Volume: 10 mL
Date Prepared:	09/30/2010 2350		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	88		67 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-1

Lab Sample ID: 720-30860-2 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1041		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	95		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-10S

Lab Sample ID: 720-30860-3 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 950 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1105		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	94		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-10D

Lab Sample ID: 720-30860-4 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 960 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1128		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	150		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.8		0 - 5
p-Terphenyl	97		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-5D

Lab Sample ID: 720-30860-5 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 970 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1152		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	51		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.4		0 - 5
p-Terphenyl	93		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-10LF

Lab Sample ID: 720-30860-6 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 950 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1215		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.08		0 - 5
p-Terphenyl	96		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-3

Lab Sample ID: 720-30860-7 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79521		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-79462		Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/08/2010 1228			Injection Volume:	1 uL
Date Prepared:	10/07/2010 1014			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	190		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	3		0 - 5
p-Terphenyl	81		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-6S

Lab Sample ID: 720-30860-8 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79521	Instrument ID: CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1249		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	180		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	8	X	0 - 5
p-Terphenyl	89		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-12S

Lab Sample ID: 720-30860-9 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79522	Instrument ID: CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1249		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	106		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-12LF

Lab Sample ID: 720-30860-10 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79523	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 960 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1215		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.05		0 - 5
p-Terphenyl	105		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-12D

Lab Sample ID: 720-30860-11 Date Sampled: 09/29/2010 0000
Client Matrix: Water Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79523	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 950 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1238		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		52

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.06		0 - 5
p-Terphenyl	101		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Client Sample ID: MW-1-D

Lab Sample ID: 720-30860-12TB
Client Matrix: Water

Date Sampled: 09/29/2010 0000
Date Received: 09/29/2010 1720

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79523	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1301		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	57		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	97		31 - 150

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate is outside control limits

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-79071					
LCS 720-79071/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79071/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79071/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79071/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79071/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30860-1	Trip Blank	T	Water	8260B/CA_LUFT	
720-30860-2	MW-1	T	Water	8260B/CA_LUFT	
720-30860-2MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30860-2MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-30860-3	MW-10S	T	Water	8260B/CA_LUFT	
720-30860-4	MW-10D	T	Water	8260B/CA_LUFT	
720-30860-5	MW-5D	T	Water	8260B/CA_LUFT	
720-30860-7	MW-3	T	Water	8260B/CA_LUFT	
720-30860-8	MW-6S	T	Water	8260B/CA_LUFT	
720-30860-9	MW-12S	T	Water	8260B/CA_LUFT	
720-30860-10	MW-12LF	T	Water	8260B/CA_LUFT	
720-30860-11	MW-12D	T	Water	8260B/CA_LUFT	
720-30860-12TB	MW-1-D	T	Water	8260B/CA_LUFT	
Analysis Batch:720-79119					
LCS 720-79119/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79119/9	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79119/10	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79119/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79119/6	Method Blank	T	Water	8260B/CA_LUFT	
720-30860-6	MW-10LF	T	Water	8260B/CA_LUFT	

Report Basis
T = Total

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-79462					
LCS 720-79462/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79462/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79462/1-A	Method Blank	A	Water	3510C SGC	
720-30860-2	MW-1	A	Water	3510C SGC	
720-30860-3	MW-10S	A	Water	3510C SGC	
720-30860-4	MW-10D	A	Water	3510C SGC	
720-30860-5	MW-5D	A	Water	3510C SGC	
720-30860-6	MW-10LF	A	Water	3510C SGC	
720-30860-7	MW-3	A	Water	3510C SGC	
720-30860-8	MW-6S	A	Water	3510C SGC	
720-30860-9	MW-12S	A	Water	3510C SGC	
720-30860-10	MW-12LF	A	Water	3510C SGC	
720-30860-11	MW-12D	A	Water	3510C SGC	
720-30860-12TB	MW-1-D	A	Water	3510C SGC	
Analysis Batch:720-79521					
720-30860-7	MW-3	A	Water	8015B	720-79462
720-30860-8	MW-6S	A	Water	8015B	720-79462
Analysis Batch:720-79522					
720-30860-9	MW-12S	A	Water	8015B	720-79462
Analysis Batch:720-79523					
720-30860-10	MW-12LF	A	Water	8015B	720-79462
720-30860-11	MW-12D	A	Water	8015B	720-79462
720-30860-12TB	MW-1-D	A	Water	8015B	720-79462
Analysis Batch:720-79524					
LCS 720-79462/2-A	Lab Control Sample	A	Water	8015B	720-79462
LCSD 720-79462/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79462
MB 720-79462/1-A	Method Blank	A	Water	8015B	720-79462
720-30860-2	MW-1	A	Water	8015B	720-79462
720-30860-3	MW-10S	A	Water	8015B	720-79462
720-30860-4	MW-10D	A	Water	8015B	720-79462
720-30860-5	MW-5D	A	Water	8015B	720-79462
720-30860-6	MW-10LF	A	Water	8015B	720-79462

Report Basis
A = Silica Gel Cleanup

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30860-1

Method Blank - Batch: 720-79071

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79071/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 1541
Date Prepared: 09/30/2010 1541

Analysis Batch: 720-79071
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: MB 9-30-2010 3;41;41 PM.
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	67 - 130
1,2-Dichloroethane-d4 (Surr)	81	67 - 130
Toluene-d8 (Surr)	94	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79071

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79071/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 1607
Date Prepared: 09/30/2010 1607

Analysis Batch: 720-79071
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS 9-30-2010 4;07;07 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79071/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 1632
Date Prepared: 09/30/2010 1632

Analysis Batch: 720-79071
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD 9-30-2010 4;32;31 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	95	98	62 - 130	3	20		
Benzene	89	90	82 - 127	1	20		
Ethylbenzene	100	98	86 - 135	2	20		
Toluene	99	89	83 - 129	10	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	93	67 - 130
1,2-Dichloroethane-d4 (Surr)	85	86	67 - 130
Toluene-d8 (Surr)	90	92	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79071

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79071/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 1658
Date Prepared: 09/30/2010 1658

Analysis Batch: 720-79071
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS G 9-30-2010 4;58;37 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79071/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 1724
Date Prepared: 09/30/2010 1724

Analysis Batch: 720-79071
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD G 9-30-2010 5;24;00 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	97	90	62 - 117	8	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	99	67 - 130
1,2-Dichloroethane-d4 (Surr)	88	91	67 - 130
Toluene-d8 (Surr)	93	86	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79071

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30860-2	Analysis Batch:	720-79071	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30860-A-2MS 9-30-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/30/2010 1908			Final Weight/Volume:	10 mL
Date Prepared:	09/30/2010 1908				

MSD Lab Sample ID:	720-30860-2	Analysis Batch:	720-79071	Instrument ID:	SAT 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	30860-A-2MSD 9-30-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/30/2010 1937			Final Weight/Volume:	10 mL
Date Prepared:	09/30/2010 1937				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	94	103	60 - 138	10	20		
Benzene	91	94	60 - 140	3	20		
Ethylbenzene	98	98	60 - 140	0	20		
Toluene	91	88	60 - 140	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	93	92	67 - 130
1,2-Dichloroethane-d4 (Surr)	82	92	67 - 130
Toluene-d8 (Surr)	90	89	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Method Blank - Batch: 720-79119

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79119/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1237
Date Prepared: 10/01/2010 1237

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: MB 10-1-2010 12;37;45 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	67 - 130
1,2-Dichloroethane-d4 (Surr)	88	67 - 130
Toluene-d8 (Surr)	89	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79119

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79119/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1303
Date Prepared: 10/01/2010 1303

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS 10-1-2010 1;03;14 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79119/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1328
Date Prepared: 10/01/2010 1328

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD 10-1-2010 1;28;41 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	101	95	62 - 130	6	20		
Benzene	96	93	82 - 127	4	20		
Ethylbenzene	99	97	86 - 135	2	20		
Toluene	92	93	83 - 129	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	91	67 - 130
1,2-Dichloroethane-d4 (Surr)	88	84	67 - 130
Toluene-d8 (Surr)	94	91	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79119

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79119/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1354
Date Prepared: 10/01/2010 1354

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS G 10-1-2010 1;54;05 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79119/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1419
Date Prepared: 10/01/2010 1419

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD G 10-1-2010 2;19;31 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	94	91	62 - 117	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	100	67 - 130
1,2-Dichloroethane-d4 (Surr)	87	89	67 - 130
Toluene-d8 (Surr)	97	90	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30860-1

Method Blank - Batch: 720-79462

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79462/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 0932
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79524
Prep Batch: 720-79462
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_007.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.3	0 - 5
p-Terphenyl	95	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79462

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79462/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 0955
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79524
Prep Batch: 720-79462
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_008.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79462/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 1018
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79524
Prep Batch: 720-79462
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_009.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	49	44	32 - 119	9	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	105	117	31 - 150

720-30860

12 7216

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:

LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.:	SECTION NO.:	DATE:	SAMPLER'S INITIALS:	SERIAL
EM009480.0013.00002		9/29/10	MD	Nº 5477

PROJECT NAME: Hanson Sunol

SAMPLER (Signature): Drag Lfr

SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	ANALYSES: TPHd (EPA 8015M)	ANALYSES: TPHmo (EPA 8015M)	ANALYSES: TPHg (EPA [redacted] (8260)	ANALYSES: BTEX (EPA [redacted] (8260)	ANALYSES: VOCs (EPA 8260/624)	ANALYSES: Metals (EPA 6010/7000)	ANALYSES: MTBE (8260)	TAT: Standard	TAT: RUSH:	TAT: HOLD	REMARKS
Trip Blank	9/29/10	—	—	2		X			X	X			X				
MW-1		1040		5		X	X		X	X			X				* TPHd with Silica gel clean-up
MW-10S		1100															
MW-10D		1200															
MW-5D		1225															
MW-10LF		1250															
MW-3		1345															
MW-6S		1350															
MW-12S		1525															
MW-12LF		1530															
MW-12D		1605															
MW-1-D		1055															

1 2 3 4 5 6 7 8 9 10 11 12

10/11/2010

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SAMPLE RECEIPT: ☐ Intact ☒ Cold ☒ On Ice ☐ Ambient — Cooler Temp: — Cooler No: — Preservative Correct? ☐ Yes ☐ No ☐ N/A

ANALYTICAL LABORATORY: Test America

METHOD OF SHIPMENT: hand deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Max Macleod
FAX RESULTS TO: Max Macleod
SEND HARDCOPY TO: Max Macleod
SEND EDD TO: EMV.LABEDDS.COM

	RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE) / (DATE)	Drag Lfr 9/29/10		
(PRINTED NAME) / (TIME)	Miljan Dragonic 1720		
(COMPANY)	ARCADIS		
	RECEIVED BY: 1	**RECEIVED BY: 2**	**RECEIVED BY (LABORATORY): 3**
(SIGNATURE) / (DATE)	9/29/10		
(PRINTED NAME) / (TIME)	1720		
(COMPANY)	TASF		

Shipping Copy (White) — File Copy (Yellow) — Field Copy (Pink)

CHAIN of CUSTODY - ANALYSES FORM.CDR 5/2003

Login Sample Receipt Check List

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30860-1

Login Number: 30860
List Source: TestAmerica San Francisco
Creator: Hoang, Julie
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30905-1

Job Description: Hansio Sunol

For:
ARCADIS U.S., Inc Formerly LFR, Inc.
1900 Powell St 12th Floor
Emeryville, CA 94608-1827

Attention: Mr. Ron Goloubow

Approved for release.
Afsaneh Salimpour
Project Manager I
10/11/2010 2:51 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
10/11/2010

CA ELAP Certification # 2705
NELAC Certification # 01117CA
The Chain(s) of Custody are included and are an integral part of this report.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-30905-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Capric acid surrogate recovery for the following sample(s) was outside control limits: MW-11D (720-30905-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30905-2	**MW-11S**				
Methyl tert-butyl ether		3.3	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		1.0	1.0	ug/L	8260B/CA_LUFTMS
720-30905-3	**MW-11LF**				
Methyl tert-butyl ether		110	0.50	ug/L	8260B/CA_LUFTMS
720-30905-4	**MW-11D**				
Methyl tert-butyl ether		14	0.50	ug/L	8260B/CA_LUFTMS
Benzene		5.4	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		5.8	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		1.7	1.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1100	50	ug/L	8260B/CA_LUFTMS
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		47000	510	ug/L	8015B
720-30905-5	**MW-5S**				
Methyl tert-butyl ether		1.4	0.50	ug/L	8260B/CA_LUFTMS
720-30905-6	**MW-11S-D**				
Methyl tert-butyl ether		3.1	0.50	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8260B/CA_LUFTMS	Nguyen, Thuy M	TMN
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30905-1TB	Trip Blank	Water	09/30/2010 0000	09/30/2010 1400
720-30905-2	MW-11S	Water	09/30/2010 0930	09/30/2010 1400
720-30905-3	MW-11LF	Water	09/30/2010 1025	09/30/2010 1400
720-30905-4	MW-11D	Water	09/30/2010 1125	09/30/2010 1400
720-30905-5	MW-5S	Water	09/30/2010 1245	09/30/2010 1400
720-30905-6	MW-11S-D	Water	09/30/2010 0940	09/30/2010 1400

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 720-30905-1TB
Client Matrix: Water

Date Sampled: 09/30/2010 0000
Date Received: 09/30/2010 1400

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79182		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	30905-A-1 10-2-2010
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/02/2010 1411			Final Weight/Volume:	10 mL
Date Prepared:	10/02/2010 1411				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11S

Lab Sample ID: 720-30905-2 Date Sampled: 09/30/2010 0930
Client Matrix: Water Date Received: 09/30/2010 1400

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79183	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30905-A-2 10-2-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	10/02/2010 1757		Final Weight/Volume:	10	mL
Date Prepared:	10/02/2010 1757				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	3.3		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	1.0		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	80		67 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11LF

Lab Sample ID: 720-30905-3 Date Sampled: 09/30/2010 1025
Client Matrix: Water Date Received: 09/30/2010 1400

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79183	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30905-A-3 10-2-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	10/02/2010 1823		Final Weight/Volume:	10	mL
Date Prepared:	10/02/2010 1823				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	110		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		67 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11D

Lab Sample ID: 720-30905-4 Date Sampled: 09/30/2010 1125
Client Matrix: Water Date Received: 09/30/2010 1400

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79357		Instrument ID:	HP12
Preparation:	5030B			Lab File ID:	10061020.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/06/2010 1639			Final Weight/Volume:	10 mL
Date Prepared:	10/06/2010 1639				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	14		0.50
Benzene	5.4		0.50
Ethylbenzene	5.8		0.50
Toluene	ND		0.50
Xylenes, Total	1.7		1.0
Gasoline Range Organics (GRO)-C5-C12	1100		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 130
1,2-Dichloroethane-d4 (Surr)	122		67 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-5S

Lab Sample ID: 720-30905-5 Date Sampled: 09/30/2010 1245
Client Matrix: Water Date Received: 09/30/2010 1400

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79183	Instrument ID:	SAT 3900A	
Preparation:	5030B		Lab File ID:	30905-A-5 10-2-2010	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	10/02/2010 1913		Final Weight/Volume:	10	mL
Date Prepared:	10/02/2010 1913				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	1.4		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	82		67 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11S-D

Lab Sample ID: 720-30905-6 Date Sampled: 09/30/2010 0940
Client Matrix: Water Date Received: 09/30/2010 1400

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79202	Instrument ID:	HP9	
Preparation:	5030B		Lab File ID:	10041016.D	
Dilution:	1.0		Initial Weight/Volume:	10	mL
Date Analyzed:	10/04/2010 1722		Final Weight/Volume:	10	mL
Date Prepared:	10/04/2010 1722				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	3.1		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		67 - 130
1,2-Dichloroethane-d4 (Surr)	102		67 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11S

Lab Sample ID: 720-30905-2 Date Sampled: 09/30/2010 0930
Client Matrix: Water Date Received: 09/30/2010 1400

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79537	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/09/2010 0344		Injection Volume: 1 uL
Date Prepared:	10/08/2010 0954		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.1		0 - 5
p-Terphenyl	94		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11LF

Lab Sample ID: 720-30905-3 Date Sampled: 09/30/2010 1025
Client Matrix: Water Date Received: 09/30/2010 1400

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79537	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/09/2010 0407		Injection Volume: 1 uL
Date Prepared:	10/08/2010 0954		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.5		0 - 5
p-Terphenyl	94		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11D

Lab Sample ID: 720-30905-4 Date Sampled: 09/30/2010 1125
Client Matrix: Water Date Received: 09/30/2010 1400

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79537	Initial Weight/Volume: 980 mL
Dilution:	10		Final Weight/Volume: 2 mL
Date Analyzed:	10/09/2010 0431		Injection Volume: 1 uL
Date Prepared:	10/08/2010 0954		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	47000		510

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	388	X	0 - 5
p-Terphenyl	114		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-5S

Lab Sample ID: 720-30905-5 Date Sampled: 09/30/2010 1245
Client Matrix: Water Date Received: 09/30/2010 1400

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79537	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/09/2010 0454		Injection Volume: 1 uL
Date Prepared:	10/08/2010 0954		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	74		31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Client Sample ID: MW-11S-D

Lab Sample ID: 720-30905-6 Date Sampled: 09/30/2010 0940
Client Matrix: Water Date Received: 09/30/2010 1400

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79537	Initial Weight/Volume: 970 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/09/2010 0517		Injection Volume: 1 uL
Date Prepared:	10/08/2010 0954		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		51

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	99		31 - 150

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Section	Qualifier	Description
GC/MS VOA		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
GC Semi VOA		
	X	Surrogate is outside control limits

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-79182					
LCS 720-79182/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79182/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79182/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79182/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79182/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30905-1TB	Trip Blank	T	Water	8260B/CA_LUFT	
720-30909-A-1 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30909-A-1 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
Analysis Batch:720-79183					
LCS 720-79183/6	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79183/8	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79183/7	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79183/9	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79183/5	Method Blank	T	Water	8260B/CA_LUFT	
720-30905-2	MW-11S	T	Water	8260B/CA_LUFT	
720-30905-3	MW-11LF	T	Water	8260B/CA_LUFT	
720-30905-5	MW-5S	T	Water	8260B/CA_LUFT	
720-30908-A-5 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30908-A-5 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
Analysis Batch:720-79202					
LCS 720-79202/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79202/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79202/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79202/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79202/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30905-6	MW-11S-D	T	Water	8260B/CA_LUFT	
720-30912-A-2 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30912-A-2 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
Analysis Batch:720-79357					
LCS 720-79357/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79357/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79357/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79357/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79357/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30889-B-3 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30889-B-3 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-30905-4	MW-11D	T	Water	8260B/CA_LUFT	

Report Basis
T = Total

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79524					
LCS 720-79537/2-A	Lab Control Sample	A	Water	8015B	720-79537
LCSD 720-79537/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79537
MB 720-79537/1-A	Method Blank	A	Water	8015B	720-79537
720-30905-2	MW-11S	A	Water	8015B	720-79537
720-30905-3	MW-11LF	A	Water	8015B	720-79537
720-30905-4	MW-11D	A	Water	8015B	720-79537
720-30905-5	MW-5S	A	Water	8015B	720-79537
720-30905-6	MW-11S-D	A	Water	8015B	720-79537
720-30929-E-3-A MS	Matrix Spike	A	Water	8015B	720-79537
720-30929-E-3-B MSD	Matrix Spike Duplicate	A	Water	8015B	720-79537
Prep Batch: 720-79537					
LCS 720-79537/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79537/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79537/1-A	Method Blank	A	Water	3510C SGC	
720-30905-2	MW-11S	A	Water	3510C SGC	
720-30905-3	MW-11LF	A	Water	3510C SGC	
720-30905-4	MW-11D	A	Water	3510C SGC	
720-30905-5	MW-5S	A	Water	3510C SGC	
720-30905-6	MW-11S-D	A	Water	3510C SGC	
720-30929-E-3-A MS	Matrix Spike	A	Water	3510C SGC	
720-30929-E-3-B MSD	Matrix Spike Duplicate	A	Water	3510C SGC	

Report Basis
A = Silica Gel Cleanup

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Method Blank - Batch: 720-79182

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79182/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1138
Date Prepared: 10/02/2010 1138

Analysis Batch: 720-79182
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: MB 10-2-2010 11;38;51 AM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	94	67 - 130
Toluene-d8 (Surr)	92	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79182

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79182/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1206
Date Prepared: 10/02/2010 1206

Analysis Batch: 720-79182
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCS 10-2-2010 12;06;30 P
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79182/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1234
Date Prepared: 10/02/2010 1234

Analysis Batch: 720-79182
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCSD 10-2-2010 12;34;07 P
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	92	97	62 - 130	5	20		
Benzene	92	101	82 - 127	9	20		
Ethylbenzene	95	101	86 - 135	5	20		
Toluene	94	100	83 - 129	7	20		
m-Xylene & p-Xylene	100	105	70 - 142	5	20		
o-Xylene	99	103	89 - 136	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	99	67 - 130
1,2-Dichloroethane-d4 (Surr)	99	93	67 - 130
Toluene-d8 (Surr)	88	92	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79182

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79182/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1301
Date Prepared: 10/02/2010 1301

Analysis Batch: 720-79182
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCS G 10-2-2010 1;01;50 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79182/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1329
Date Prepared: 10/02/2010 1329

Analysis Batch: 720-79182
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900C
Lab File ID: LCSD G 10-2-2010 1;29;23 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	65	70	62 - 117	8	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	96	67 - 130
1,2-Dichloroethane-d4 (Surr)	99	97	67 - 130
Toluene-d8 (Surr)	92	92	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79182

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30909-A-1 MS	Analysis Batch: 720-79182	Instrument ID: SAT 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30909-A-1MS 10-2-2010
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/02/2010 1820		Final Weight/Volume: 10 mL
Date Prepared:	10/02/2010 1820		

MSD Lab Sample ID:	720-30909-A-1 MSD	Analysis Batch: 720-79182	Instrument ID: SAT 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30909-A-MSD 10-2-2010
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/02/2010 1847		Final Weight/Volume: 10 mL
Date Prepared:	10/02/2010 1847		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	97	96	60 - 138	0	20		
Benzene	101	97	60 - 140	4	20		
Ethylbenzene	102	100	60 - 140	1	20		
Toluene	99	95	60 - 140	4	20		
m-Xylene & p-Xylene	107	104	60 - 140	2	20		
o-Xylene	103	100	60 - 140	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	104	102	67 - 130
Toluene-d8 (Surr)	93	93	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Method Blank - Batch: 720-79183

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79183/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1201
Date Prepared: 10/02/2010 1201

Analysis Batch: 720-79183
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: MB 10-2-2010 12;01;41 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	93	67 - 130
1,2-Dichloroethane-d4 (Surr)	81	67 - 130
Toluene-d8 (Surr)	83	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79183

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79183/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1227
Date Prepared: 10/02/2010 1227

Analysis Batch: 720-79183
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS 10-2-2010 12;27;11 P
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79183/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1300
Date Prepared: 10/02/2010 1300

Analysis Batch: 720-79183
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD 10-2-2010 1;00;43 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	100	104	62 - 130	4	20		
Benzene	104	94	82 - 127	11	20		
Ethylbenzene	108	98	86 - 135	10	20		
Toluene	99	95	83 - 129	4	20		
m-Xylene & p-Xylene	105	98	70 - 142	8	20		
o-Xylene	106	101	89 - 136	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	94	91	67 - 130
1,2-Dichloroethane-d4 (Surr)	86	86	67 - 130
Toluene-d8 (Surr)	91	86	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79183

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79183/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1326
Date Prepared: 10/02/2010 1326

Analysis Batch: 720-79183
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS G 10-2-2010 1;26;14 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79183/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/02/2010 1351
Date Prepared: 10/02/2010 1351

Analysis Batch: 720-79183
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSDG 10-2-2010 1;51;41 F
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	103	102	62 - 117	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	92	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	96	86	67 - 130
Toluene-d8 (Surr)	99	94	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79183

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30908-A-5 MS	Analysis Batch: 720-79183	Instrument ID: SAT 3900A
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30908-A-5MS 10-2-2010
Dilution:	2.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/02/2010 1658		Final Weight/Volume: 10 mL
Date Prepared:	10/02/2010 1658		

MSD Lab Sample ID:	720-30908-A-5 MSD	Analysis Batch: 720-79183	Instrument ID: SAT 3900A
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 30908-A-5MSD 10-2-2010
Dilution:	2.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/02/2010 1732		Final Weight/Volume: 10 mL
Date Prepared:	10/02/2010 1732		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	98	104	60 - 138	5	20		
Benzene	95	86	60 - 140	9	20		
Ethylbenzene	76	86	60 - 140	3	20		
Toluene	66	57	60 - 140	2	20	4	4
m-Xylene & p-Xylene	79	67	60 - 140	3	20		
o-Xylene	94	87	60 - 140	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	95	67 - 130
1,2-Dichloroethane-d4 (Surr)	91	93	67 - 130
Toluene-d8 (Surr)	95	91	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30905-1

Method Blank - Batch: 720-79202

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79202/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1043
Date Prepared: 10/04/2010 1043

Analysis Batch: 720-79202
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 10041004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	92	67 - 130
1,2-Dichloroethane-d4 (Surr)	100	67 - 130
Toluene-d8 (Surr)	91	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79202

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79202/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1116
Date Prepared: 10/04/2010 1116

Analysis Batch: 720-79202
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 10041005.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79202/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1149
Date Prepared: 10/04/2010 1149

Analysis Batch: 720-79202
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 10041006.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	91	93	62 - 130	2	20		
Benzene	103	102	82 - 127	1	20		
Ethylbenzene	106	105	86 - 135	0	20		
Toluene	107	107	83 - 129	0	20		
m-Xylene & p-Xylene	102	102	70 - 142	0	20		
o-Xylene	104	105	89 - 136	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	97	67 - 130
1,2-Dichloroethane-d4 (Surr)	93	96	67 - 130
Toluene-d8 (Surr)	93	94	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79202

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79202/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1221
Date Prepared: 10/04/2010 1221

Analysis Batch: 720-79202
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 10041007.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79202/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1254
Date Prepared: 10/04/2010 1254

Analysis Batch: 720-79202
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 10041008.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	85	85	62 - 117	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	97	67 - 130
1,2-Dichloroethane-d4 (Surr)	99	97	67 - 130
Toluene-d8 (Surr)	95	95	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79202

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30912-A-2 MS	Analysis Batch: 720-79202	Instrument ID: HP9
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 10041018.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/04/2010 1826		Final Weight/Volume: 10 mL
Date Prepared:	10/04/2010 1826		

MSD Lab Sample ID:	720-30912-A-2 MSD	Analysis Batch: 720-79202	Instrument ID: HP9
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 10041019.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/04/2010 1859		Final Weight/Volume: 10 mL
Date Prepared:	10/04/2010 1859		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	94	96	60 - 138	2	20		
Benzene	100	103	60 - 140	3	20		
Ethylbenzene	99	103	60 - 140	3	20		
Toluene	101	104	60 - 140	3	20		
m-Xylene & p-Xylene	96	99	60 - 140	3	20		
o-Xylene	100	103	60 - 140	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	97	67 - 130
1,2-Dichloroethane-d4 (Surr)	100	99	67 - 130
Toluene-d8 (Surr)	95	94	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30905-1

Method Blank - Batch: 720-79357

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79357/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0958
Date Prepared: 10/06/2010 0958

Analysis Batch: 720-79357
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 10061004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	118	67 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79357

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79357/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1027
Date Prepared: 10/06/2010 1027

Analysis Batch: 720-79357
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 10061005.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79357/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1126
Date Prepared: 10/06/2010 1126

Analysis Batch: 720-79357
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 10061010.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	111	112	62 - 130	1	20		
Benzene	93	92	82 - 127	1	20		
Ethylbenzene	101	100	86 - 135	1	20		
Toluene	95	95	83 - 129	0	20		
m-Xylene & p-Xylene	106	105	70 - 142	1	20		
o-Xylene	107	106	89 - 136	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	106	105	67 - 130
1,2-Dichloroethane-d4 (Surr)	116	113	67 - 130
Toluene-d8 (Surr)	101	99	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79357

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79357/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1156
Date Prepared: 10/06/2010 1156

Analysis Batch: 720-79357
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 10061011.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79357/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1226
Date Prepared: 10/06/2010 1226

Analysis Batch: 720-79357
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 10061012.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	91	89	62 - 117	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	108	67 - 130
1,2-Dichloroethane-d4 (Surr)	123	117	67 - 130
Toluene-d8 (Surr)	99	98	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79357

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-30889-B-3 MS	Analysis Batch: 720-79357	Instrument ID: HP12
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 10061024.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/06/2010 1839		Final Weight/Volume: 10 mL
Date Prepared:	10/06/2010 1839		

MSD Lab Sample ID:	720-30889-B-3 MSD	Analysis Batch: 720-79357	Instrument ID: HP12
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 10061025.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	10/06/2010 1909		Final Weight/Volume: 10 mL
Date Prepared:	10/06/2010 1909		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	122	122	60 - 138	0	20		
Benzene	96	96	60 - 140	0	20		
Ethylbenzene	101	100	60 - 140	1	20		
Toluene	97	95	60 - 140	1	20		
m-Xylene & p-Xylene	105	104	60 - 140	1	20		
o-Xylene	107	106	60 - 140	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	105	103	67 - 130
1,2-Dichloroethane-d4 (Surr)	115	118	67 - 130
Toluene-d8 (Surr)	99	99	70 - 130

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Method Blank - Batch: 720-79537

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79537/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/09/2010 0800
Date Prepared: 10/08/2010 0954

Analysis Batch: 720-79524
Prep Batch: 720-79537
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_063.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.3	0 - 5
p-Terphenyl	94	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79537

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79537/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/09/2010 0714
Date Prepared: 10/08/2010 0954

Analysis Batch: 720-79524
Prep Batch: 720-79537
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_061.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79537/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/09/2010 0737
Date Prepared: 10/08/2010 0954

Analysis Batch: 720-79524
Prep Batch: 720-79537
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_062.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	46	45	32 - 119	3	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	99	99	31 - 150

Client: ARCADIS U.S., Inc Formerly LFR, Inc. Job Number: 720-30905-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79537

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

MS Lab Sample ID:	720-30929-E-3-A MS	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Client Matrix:	Water	Prep Batch: 720-79537	Lab File ID: 1008105b_059.d
Dilution:	1.0		Initial Weight/Volume: 980 mL
Date Analyzed:	10/09/2010 0627		Final Weight/Volume: 2 mL
Date Prepared:	10/08/2010 0954		Injection Volume: 1 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	720-30929-E-3-B MSD	Analysis Batch: 720-79524	Instrument ID: CHDRO5
Client Matrix:	Water	Prep Batch: 720-79537	Lab File ID: 1008105b_060.d
Dilution:	1.0		Initial Weight/Volume: 980 mL
Date Analyzed:	10/09/2010 0650		Final Weight/Volume: 2 mL
Date Prepared:	10/08/2010 0954		Injection Volume: 1 uL
			Column ID: PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	76	77	32 - 119	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	101	101	31 - 150

720-30905

127240

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: EM009480.0013.00002 SECTION NO.:
PROJECT NAME: Hanson Sunol
DATE: 9/30/10
SAMPLER'S INITIALS: MD
SAMPLER (Signature): Dragan Miljan
SERIAL № 5419

	SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	Soil	Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA [redacted]) (8260)	BTEX (EPA [redacted]) (8260)	VOCs (EPA 8260/624)	Metals (EPA 6010/7000)	MTBE (8260)			Standard	RUSH:	HOLD	REMARKS
1	Trip Blank	9/30/10	—		2		X		X	X				X			X			
2	MW-11S	↓	0930		5		↓	X	↓	↓				↓			↓			*TPHd with silica gel clean-up
3	MW-11LF	↓	1025		↓		↓	↓	↓	↓				↓			↓			
4	MW-11D	↓	1125		↓		↓	↓	↓	↓				↓			↓			
5	MW-5S	↓	1245		↓		↓	↓	↓	↓				↓			↓			
6	MW-11S-D	↓	0940		↓		↓	↓	↓	↓				↓			↓			

REMARKS: *VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
**Metals: ☐ CAM17 ☐ RCRA ☐ LUFT

1.8°C

SAMPLE RECEIPT: ☐ Intact ☒ Cold ☒ On Ice ☐ Ambient
Cooler Temp:
Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A

METHOD OF SHIPMENT: hand deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Max Macleod

RELINQUISHED BY: 1
(SIGNATURE) Dragan Miljan (DATE) 9/30/10
(PRINTED NAME) Miljan Draganic (TIME) 1400
(COMPANY) ARCADIS

RELINQUISHED BY: 2
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RELINQUISHED BY: 3
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

ANALYTICAL LABORATORY: Test America

FAX RESULTS TO: Max Macleod
SEND HARDCOPY TO: Max Macleod
SEND EDD TO: EMV.LABEDDS.COM

RECEIVED BY: 1
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RECEIVED BY: 2
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RECEIVED BY (LABORATORY): 3
(SIGNATURE) Loren Mulley (DATE) 9-30-10
(PRINTED NAME) Mulley (TIME) 1400
(COMPANY) TestAmerica

Shipping Copy (White) File Copy (Yellow) Field Copy (Pink)

CHAIN of CUSTODY - ANALYSES FORM.CDR 5/2003

Login Sample Receipt Check List

Client: ARCADIS U.S., Inc Formerly LFR, Inc.

Job Number: 720-30905-1

Login Number: 30905
List Source: TestAmerica San Francisco
Creator: Mullen, Joan
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ARCADIS

Appendix C

Field Sheets

WELL NO.	WELL ELEVATION	DEPTH TO WATER 1	DEPTH TO WATER 2	WATER ELEVATION	WELL SECURE? Y	WELL SECURE? N	REMARKS (UNITS = FEET)
MW-9S		3.11	3.11		✓		1208
MW-9D		4.31	4.31		✓		1210
MW-9LF		4.44	4.44		✓		1212
OXY-1D		4.13	4.13		✓		1220 Residue or Product
OXY-1S		–	–			–	AS Cap Prodcude Measurement Present
OXY-1LF		–	–				AS Cap Prodcude Measurement
MW-7D		3.82	3.82		✓		1227
MW-7S		3.70	3.70		✓		1229 Residue or Product
MW-8		3.42	3.42		✓		1231
MW-2D		4.80	4.80		✓		1233
MW-2M		4.61	4.61		✓		1234
MW-2S		4.38	4.38		✓		1235
MW-6D		5.31	5.31		✓		1236
MW-6S		4.42	4.42		✓		1237
MW-1		3.43	3.43		✓		1239
MW-5D		5.03	5.03		✓		1241
MW-5S		4.89	4.89		✓		1242
MW-10S		5.25	5.25		✓		1244
MW-10D		6.50	6.50		✓		1245
MW-10LF		7.38	7.38		✓		1247
MW-4D		6.05	6.05		✓		1249
MW-4S		4.94	4.94		✓		1250
MW-1		5.82	5.82		✓		1302
MW-11S		5.04	5.04		✓		1305
MW-11D		5.49	5.49		✓		1306 Residue or Product
MW-11LF		5.28	5.28		✓		1307
MW-12LF		6.85	6.85		✓		1312
MW-12D		6.62	6.62		✓		1314 Broken Bolts
MW-12S		6.94	6.94		✓		1315 Secure

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-1 ☐ FB —

Sampling Plan By: Max M. Dated: — ☒ DUP MW-1-D

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L Ambers
TPHg, BTEX, MTBE	3-VOAs w/HCl.

Lab Name: Test America

Delivery By: Hand

* Dedicated tubing replaced

Fe^{2+} = 0.20 mg/L

Well No. MW-1 Depth of Water 3.60

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1012	3.60	—	—	—	—	—	→	Start purging
1022	4.45	—	0.26	21.16	6.94	2100	106.1	decreased flow rate
1025	4.52	—	0.26	21.20	6.94	2100	104.1	high turbidity
1028	4.55	—	0.27	21.27	6.95	2100	99.6	
1031	4.55	—	0.28	21.42	6.96	2098	95.6	water clearer
1034	4.55	—	0.28	21.50	6.96	2099	92.1	" "
1037	4.54	~1.5	0.28	21.52	6.96	2099	91.4	" "
1040	—	—	—	—	—	—	→	Sampling
1055	—	—	—	—	—	—	→	Dup Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-2S ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L Ambers
TPHg, MTBE, BTEX	3 - VOAs w/HCl

Lab Name: Test America

Delivery By: hand

Fe^{2+} = 3.30 mg/L

Well No. MW-2S Depth of Water 4.40

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1353	4.40	—	—	—	—	—	→	Start purging
1403	5.53	—	0.08	22.82	6.70	2483	-127.3	decreased flow rate
1406	5.57	—	0.10	22.84	6.70	2454	-130.0	" " "
1409	5.59	—	0.06	22.82	6.70	2433	-134.4	
1412	5.60	—	0.05	22.86	6.70	2426	-136.9	
1415	5.60	~1.0	0.04	22.84	6.71	2418	-136.4	
1420	—	—	—	—	—	—	→	Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-2M ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L ambers
TPHg, MTBE, BTEX	3-VOAs w/ HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 2.64 mg/L

Well No. MW-2M Depth of Water 4.75

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1440	4.75	—	—	—	—	—	→	Start purging
1450	5.25	—	0.17	21.97	6.76	2299	-128.1	Decrease flow rate
1453	5.38	—	0.11	21.76	6.75	2297	-130.9	" " "
1456	5.39	—	0.09	21.72	6.75	2291	-134.9	
1459	5.40	—	0.09	21.81	6.75	2272	-134.4	
1502	5.40	~1.0	0.08	21.78	6.75	2276	-136.6	
1505	—	—	—	—	—	—	→	Sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-2D ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L ambers
TPHg, MTBE, BTEX	3-VOAs w/ HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 1.76 mg/L
DO = 0.10 mg/L
(using field kit)

Well No. MW-2D Depth of Water 4.81

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1316	4.81	—					→	Start purging
1326	5.00	—	0.13	21.61	6.76	2300	-125.1	
1329	5.01	—	0.10	21.80	6.79	2298	-127.3	
1332	5.01	~1.0	0.09	21.71	6.79	2297	-129.9	
1335	—	—	—	—	—	—	→	Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. MW-3 Depth of Water 5.90

Well Diameter: 2" Well Depth 16.10

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume

$Fe^{2+} = 2.50$ mg/L

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1314	5.90							Start Purge
1324	6.10	0.3	0.78	23.88	6.75	3063	-83.2	
1327	6.16	0.5	0.54	22.75	6.73	3010	-83.5	
1330	6.16	0.7	0.43	22.58	6.72	2980	-86.8	
1333	6.18	0.9	0.39	22.52	6.72	2967	-88.7	
1336	6.19	1.1	0.33	22.48	6.71	2955	-90.0	
1339	6.19	1.3	0.29	22.39	6.70	2948	-91.5	
1345	6.19	1.5						Sampled

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 27, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-4S ☐ FB —

Sampling Plan By: Max M. Dated: — ☒ DUP MW-4S-D

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L ambers
TPHg, MTBE, BTEX	3-VOAs w/HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 0.50 mg/L

Well No. MW-4S Depth of Water 4.95

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1520	4.95	—	—		—	—	→	Start purging
1530	5.06	—	0.32	22.91	7.34	2525	-96.0	
1533	5.06	—	0.27	22.94	7.34	2536	-98.4	
1536	5.06	—	0.20	22.95	7.34	2545	-100.2	
1539	5.06	—	0.16	22.99	7.34	2579	-105.4	
1542	5.06	~1.5	0.12	22.92	7.35	2584	-105.7	
1545	—	—	—	—	—	—	→	Sampling
1555	—	—	—	—	—	—	→	DUP Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 27, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-4D ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L amber
TPHg, MTBE, BTEX	3-VOAs w/ HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 0.44 mg/L

Well No. MW-4D Depth of Water 6.11

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1440	6.11	—					→	Start purging
1455	6.13	—	0.12	19.65	7.08	2949	-44.9	
1458	6.13	—	0.14	19.55	7.08	2952	-45.9	
1501	6.13	~1.5	0.15	19.48	7.08	2954	-47.2	
1505	—	—	—	—	—	—	→	Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 30, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: → MW-5S ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L Ambers
TPHg, MTBE, BTEX	3 - VOAs w/ HCl

Lab Name: Test America

Delivery By: Hand

Well No. MW-5S Depth of Water 4.96

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

* New dedicated tubing.

$Fe^{2+} = 1.65$ mg/L

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1214	4.96	—	—	—	—	—	→	Start purging
1224	6.48	—	0.15	23.75	6.95	1762	-49.7	decrease flow
1227	6.51	—	0.15	23.79	6.96	1869	-51.1	
1230	6.47	—	0.16	23.70	6.97	1938	-55.7	
1233	6.47	—	0.16	23.59	6.97	1995	-55.9	
1236	6.47	—	0.15	23.62	6.97	2011	-54.8	
1239	6.47	—	0.15	23.61	6.98	2021	-54.1	
1242	6.47	~1.5	0.15	23.61	6.98	2030	-54.5	
1245	—	—	—	—	—	—	→	Sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-5D ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L ambers
TPHg, BTEX, MTBE	3 - VOAs w/ HCl

Lab Name: Test America

Delivery By: Hand.

* DO = 0.05 mg/L (field kit)

Fe^{2+} = 2.12 mg/L

Well No. MW-5D Depth of Water 4.39

Well Diameter: — Well Depth —

☐ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1200	4.39	—					→	Start purging
1210	5.35	—	0.13	22.85	6.99	2186	-52.6	decrease flow
1213	5.36	—	0.11	22.80	7.01	2219	-54.9	
1216	5.36	—	0.09	22.80	7.02	2238	-57.9	
1219	5.37	~1.5	0.08	22.91	7.04	2252	-60.4	
1225	—	—					→	Sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-6S ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L ambers
TPHg, MTBE, BTEX	3-VOAs w/ HCl

Lab Name: Test America

Delivery By: Hand

- Dedicated tubing replaced.

Fe^{2+} = 3.30 mg/L

Well No. MW-6S Depth of Water 4.64

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1323	4.64	—					→	Start purging
1333	5.09	—	0.22	23.54	6.72	2161	-76.8	Decrease flow
1336	5.11	—	0.18	23.51	6.74	2153	-78.2	
1339	5.13	—	0.16	23.48	6.76	2140	-79.7	
1342	5.14	—	0.15	23.35	6.77	2139	-80.4	
1345	5.14	~1.3	0.13	23.30	6.7	2139	-81.6	
1350	—						→	Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 27, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolka Sample No.: MW-6D ☐ FB

Sampling Plan By: Max MacCloud Dated: 9/27/10 ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-gallon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. MW-6D Depth of Water 5.26

Well Diameter: 2" Well Depth 29.08

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 23.66

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume 4 gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1457	5.32	~~0~~						Start Purge
1500	5.59	0.1	0.43	22.09	6.57	2292	-35.1	
1504	5.54	0.3	0.45	22.46	6.66	2288	-103.7	
1508	5.55	0.5	2.31	22.41	6.67	2285	-114.6	
1512	5.55	0.7	3.64	22.29	6.68	2287	-114.0	
1516	5.55	0.9	2.29	22.34	6.70	2293	-114.8	
1519	5.55	1.1	1.34	22.21	6.70	2297	-113.6	
1522	5.55	1.3	0.70	22.15	6.69	2298	-112.8	
1525	555	1.5	0.48	22.19	6.70	2337	-112.9	
1528	5.56	1.7	0.39	22.23	6.72	2326	-115.1	
1531	5.56	1.9	0.30	22.15	6.72	2314	-114.8	
1534	5.56	2.1	0.24	22.16	6.74	2307	-114.8	
1537	5.56	2.3	0.21	22.38	6.76	2338	-114.8	
1540	5.56							Sampled

Fe^{2+} = 2.94 mg/L

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-7S ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L Ambers
TPHg, MTBE, BTEX	3-VOAs with HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 3.30 mg/L

Well No. MW-7S Depth of Water 3.73

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1110	3.73	—					→	Start purging
1120	4.55	—	0.13	22.24	6.85	2443	-126.0	decrease pump rate.
1123	4.57	—	0.13	22.24	6.86	[redacted] 2424	-127.9	
1126	4.58	—	0.12	22.26	6.86	2427 [redacted]	-128.1	
1129	4.59	~1.0	0.12	22.20	6.86	2420	-128.9	
1135	—						→	Sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-7D ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L amber
TPHg, MTBE, BTEX	3-VOAs w/ HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 3.30 mg/L

Well No. MW-7D Depth of Water 3.92

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1020	3.92	—	—	—	—	—	→	Start purging
1030	5.16	—	0.13	20.36	6.71	2198	-69.4	decreased pump rate
1033	—	—	—	—	—	—	—	decreased pump rate.
1036	5.22	—	0.12	20.57	6.71	2196	-71.8	
1039	5.23	—	0.10	20.63	6.70	2202	-74.9	
1042	5.24	~1.0	0.08	20.75	6.71	2216	-77.3	
1045	—	—	—	—	—	—	→	Sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-8 ☐ FB —

Sampling Plan By: Max M. Dated: — ☒ DUP MW-8-D

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2-1L ambers
TPHg, MTBE, BTEX	3-VOAs w/HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 0.08 mg/L
DO = 0.23 mg/L
(using field kit)

Well No. MW-8 Depth of Water 3.52

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
0925	3.52	—	—	—	—	—	→	Start purging.
0935	3.57	—	0.17	18.79	6.69	2073	120.4	
0938	3.56	—	0.17	18.80	6.70	2070	116.6	
0941	3.57	~1.5	0.17	18.81	6.71	2069	112.0	
0945	—	—	—	—	—	—	→	Sampling
0955	—	—	—	—	—	—	→	DUP Sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. MW-9S Depth of Water 3.16

Well Diameter: 2" Well Depth 12.32

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 9.16

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~ 1.5 gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
0932	3.16	-						Start Purge
0937	3.42	0.2	0.39	21.18	7.11	2422	82.3	
0940	3.42	0.3	0.38	21.20	7.12	2419	77.3	
0943	3.42	0.4	0.40	21.23	7.13	2414	73.7	
0946	3.42	0.5	0.56	21.29	7.15	2419	71.0	
0950	3.42	0.6	0.91	21.31	7.13	2414	71.3	
0953	3.42	0.7	1.60	21.34	7.14	2416	69.6	
0956	3.42	0.8	2.22	21.42	7.15	2418	68.8	
0959	3.42	0.9	2.11	21.40	7.15	2419	67.8	
1002	3.42	1.0	1.73	21.44	7.15	2420	67.0	
1005	3.42	1.1	1.35	21.46	7.15	2420	67.4	
1008	3.42	1.2	1.03	21.44	7.15	2423	67.8	
1011	3.42	1.3	0.72	21.56	7.15	2422	65.7	
1014	3.42	1.5	0.61	21.57	7.16	2423	65.0	
1017	3.42	1.6	0.57	21.58	7.16	2422	64.3	

$Fe^{2+} = 0.01$

Continue remarks on reverse, if needed.

↳ Continued on Back

Time	DTW	Vol	DO	Temp	pH	Cond	ORP
1020	3.42	1.8	0.52	21.56	7.16	2421	63.9
1025	3.42	1.9		Sampled			

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: MW-9D ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. MW-9D Depth of Water 4.41

Well Diameter: 2" Well Depth 23.10

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 18.69

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~3 gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1044	4.41	–						Start Purge
1049	4.72	0.2	0.27	20.81	6.96	2264	-51.9	
1052	4.72	0.3	0.23	20.68	6.95	2259	-58.9	
1055	4.72	0.4	0.28	20.69	6.94	2257	-61.7	
1058								
1100	4.72	0.5						Sampled

Fe^{2+} = 1.27 mg/L

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: MW-92F ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. MW-92F Depth of Water 4.53

Well Diameter: 2" Well Depth 38.40

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1123	4.53	-						Start Purge
1130	4.53	0.2	10.23	23.74	7.49	1749	53.4	High DO but near Oxy wells
1133	4.53	0.3	10.20	22.71	7.49	1750	53.1	
1136	4.53	0.4	10.07	22.42	7.44	1744	57.0	
1139	4.53	0.5	10.08	22.38	7.42	1741	58.8	
1042	4.53	0.6	10.04	22.25	7.41	1738	62.4	
1048	4.53	0.7						Sampled

$Fe^{2+} = 0.00$ mg/L

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of _____

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: MW-10S ☐ FB _____

Sampling Plan By: Max Macleod Dated: _____ ☐ DUP _____

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: _____ Where Disposed: _____

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By: _____

$Fe^{2+} = 0.00 mg/L$

Well No. MW-10S Depth of Water 5.42

Well Diameter: 2" Well Depth 9.51

~~☐ 2"~~ (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 4.09

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~ 0.7 gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
955	5.42							Start Purge
1000	5.45	0.2	0.39	23.19	6.89	2272	-16.3	Stopped Unit
1002	5.48	0.8	1.93	23.58	6.91	2277	-12.5	
1024	5.48	1.0	1.91	23.57	6.91	2277	-14.0	
1028	5.48	1.2	1.74	23.69	6.93	2282	-14.2	
1032	5.48	1.5	1.49	23.79	6.93	2283	-18.0	
1035	5.48	1.7	1.29	23.86	6.93	2279	-19.3	
1038	5.48	1.9	1.01	23.93	6.93	2280	-20.7	
1041	5.48	2.1	0.82	24.00	6.94	2281	-21.9	
1044	5.48	2.3	0.54	24.09	6.95	2285	-23.5	
1047	5.48	2.5	0.46	24.13	6.95	2283	-23.6	
1050	5.48	2.7	0.40	24.10	6.95	2286	-24.7	
1053	5.48	2.9	0.35	24.09	6.94	2286	-22.9	
1056	5.48	3.1	0.31	24.21	6.95	2287	-24.1	
1100								Sampled

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolka Sample No.: ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low-flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

$Fe^{2+} = 0.13$

Well No. MW-100 Depth of Water 6.83

Well Diameter: 2" Well Depth 20.70

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 13.87

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~2.2gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1117	7.22	0						Start Purge
1123	7.11	0.3	0.17	21.71	7.22	2974	-147.3	
1126	7.11	0.4	0.45	21.70	7.20	2978	-147.3	
1129	7.14	0.6	0.80	21.66	7.19	2992	-149.3	Trouble shoot other Pump
1136	7.14	0.9	0.52	21.80	7.19	3029	-156.6	
1139	7.14	1.1	0.41	21.75	7.17	3046	-157.7	
1142	7.14	1.3	0.34	21.74	7.14	3060	-156.9	
1145	7.14	1.4	0.27	21.69	7.16	3081	-161.1	
1148	7.14	1.5	0.20	21.73	7.16	3084	-162.6	
1153	7.14	1.7	0.18	21.76	7.16	3084	-162.5	
1200	7.14	1.9						Sampled

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: MW-102F ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-gallon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Fe^{2+} = 3.19 mg/L

Well No. MW-102F Depth of Water 7.50

Well Diameter: 2" Well Depth 39.99

☐ ~~2"~~ (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 32.49

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~5.5 gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1214	7.50	-						Start Purge
1220	7.61	0.3	0.25	20.25	6.87	3923	-78.1	
1223	7.61	0.4	0.04	20.18	6.86	3934	-82.6	
1227	7.61	0.6	0.78	20.20	6.87	3934	-84.4	
1230	7.61	0.8	0.64	20.29	6.87	3930	-85.2	
1233	7.61	1.0	0.44	20.33	6.88	3922	-86.8	
1236	7.61	1.2	0.37	20.32	6.88	3918	-86.8	
1239	7.61	1.4	0.27	20.35	6.88	3912	-87.5	
1242	7.61	1.6	0.24	20.29	6.88	3898	-87.8	
1245	7.61	1.8	0.22	20.29	6.88	3888	-87.8	
1250	7.61	2.0						Sampled

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 30, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-11S ☐ FB —

Sampling Plan By: Max M. Dated: — ☒ DUP MW-11S-D

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L amber
TPHg, BTEX, MTBE	3 - VOAs w/HCl

Lab Name: Test America

Delivery By: Hand

Well No. MW-11S Depth of Water 5.20

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Fe^{2+} = 1.54 mg/L

water is clear.

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
0907	5.20	—	—	—	—	—	→	Start purging
0917	5.60	—	0.21	21.35	6.95	1877	-66.6	
0920	5.61	—	0.20	21.39	6.95	1870	-68.4	
0923	5.62	—	0.18	21.42	6.96	1865	-70.7	
0926	5.62	~1.2	0.18	21.47	6.96	1858	-72.6	
0930	—	—	—	—	—	—	→	Sampling
0940	—	—	—	—	—	—	→	DUP sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 30, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-11D ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L ambers
TPHg, MTBE, BTEX	3 - VOAs w/HCl

Lab Name: Test America

Delivery By: Hand

Fe^{2+} = 1.97 mg/L

DO = 0.10 mg/L (field kit)

Well No. MW-11D Depth of Water 5.79

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1050	5.79	—					→	Start purging.
1105	7.24	—	0.11	21.57	6.68	1697	-52.7	decrease flow
1108	7.27	—	0.10	21.58	6.66	1695	-52.4	" "
1111	7.24	—	0.09	22.01	6.68	1693	-54.6	" "
1114	7.23	—	0.08	22.65	6.70	1691	-56.7	
1117	7.24	—	0.08	22.96	6.71	1694	-57.3	
1120	7.24	~1.4	0.08	22.49	6.71	1696	-57.8	
1125	—						→	Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 30, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-11LF ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L Amber
TPHg, BTEX, MTBE	3 - VOAs w/HCl

Lab Name: Test America

Delivery By: Hand

$Fe^{2+} = 2.14$ mg/L

Well No. MW-11LF Depth of Water 5.40

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
0958	5.40	—	—	—	—	—	→	Start purging.
1012	5.61	—	0.15	20.79	7.14	1371	-76.3	Water cloudy.
1015	5.63	—	0.11	20.74	7.12	1368	-76.0	
1018	5.63	—	0.10	20.73	7.13	1368	-76.5	
1021	5.63	~1.5	0.09	20.75	7.13	1368	-76.8	water is clear.
1025	—	—	—	—	—	—	→	Sampling

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Miljan Draganic Sample No.: MW-12S ☐ FB —

Sampling Plan By: Max M. Dated: — ☐ DUP —

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: — Where Disposed: —

Analyses Requested	No. and Type of Bottles Used
TPHd	2 - 1L ambers
TPHg, MTBE, BTEX	3-VOAs w/HCl

Lab Name: Test America

Delivery By: Hand.

$Fe^{2+} = \phi$

Well No. MW-12S Depth of Water 7.03

Well Diameter: 2" Well Depth —

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height —

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume —

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1501	7.03	—	—	—	—	—	→	Start purging
1511	7.63	—	0.34	22.01	6.74	1836	29.2	
1514	7.64	—	0.28	22.32	6.73	1838	32.4	
1517	7.64	—	0.24	22.43	6.73	1830	34.5	
1520	7.64	—	0.20	22.57	6.72	1828	36.0	
1523	7.64	~1.0	0.18	22.38	6.72	1820	38.3	
1525	—	—	—	—	—	—	→	Sampling.

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 29, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: MW-12D ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

$Fe^{2+} = 0.05 mg/L$

Well No. MW-12D Depth of Water 6.88

Well Diameter: 2" Well Depth 20.82

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 13.94

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~ 2.3 gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1545	6.88	-						Start Purge
1550	7.12	0.3	0.21	21.63	6.63	1500	35.0	
1555	7.12	0.5	0.42	21.84	6.63	1493	32.6	
1557	6.99	0.8	0.37	21.85	6.62	1494	35.5	
1600	6.99	1.0	0.32	21.82	6.63	1493	34.4	
1605	6.99	1.2						Sampled

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September , 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolka Sample No.: MW-12LF ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. MW-12LF Depth of Water 7.19

Well Diameter: 2" Well Depth 39.60

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 32.41

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~5.5 gals

Fe= 0.00 mg/L

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1450	7.19	-						Start Purge
1500	7.32	0.2	0.22	21.09	6.63	1591	20.5	
1503	7.36	0.3	0.22	20.96	6.64	1589	21.5	
1506	7.36	0.5	0.71	20.78	6.65	1588	23.8	
1509	7.34	0.7	0.63	20.85	6.66	1588	24.4	
1512	7.34	0.9	0.52	20.82	6.68	1587	24.3	
1516	7.34	1.1	0.42	20.84	6.67	1585	26.2	
1519	7.34	1.2	0.37	20.66	6.66	1585	28.3	
1522	7.39	1.3	0.34	20.54	6.67	1585	27.7	
1530	7.39	1.4						Sampled

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. OXY - 1S Depth of Water - Oxy Cap

Well Diameter: 2" Well Depth - Oxy Cap

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height -

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume -

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1405	-	-						Start Purge
1410	-	0.1	0.43	22.78	7.16	2074	15.1	
1413	-	0.2	0.30	22.64	7.15	2071	10.4	
1416	-	0.2	0.27	22.59	7.14	2067	8.4	
1419		0.3	0.40	22.49	7.13	2068	10.0	
1425		0.3						Sampled

Fe^{2+} = 0.05 mg/L

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: OXY-1D ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. OXY-1D Depth of Water 4.16

Well Diameter: 2" Well Depth 32.22

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height 28.06

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume ~ 4.5 gals

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1311	4.16							
1317	4.22	0.2	0.21	21.34	7.31	1761	8.0	
1320	4.23	0.4	0.16	20.97	7.32	1761	6.8	Slowed Pump
1323	4.23	0.5	0.16	21.59	7.38	1761	-2.2	
1327	4.22	0.7	0.16	21.38	7.37	1765	-7.0	
1330	4.22	0.9	0.17	21.48	7.38	1761	-13.8	
1333	4.22	1.1	0.17	21.38	7.38	1764	-15.4	
1340	4.22	1.2						Sampled

Continue remarks on reverse, if needed.

WATER-QUALITY SAMPLING LOG

Project No. EM009480.0011.00003 Date: September 28, 2010 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Sunol, CA

Sampler's Name: Darrell Smolko Sample No.: ☐ FB

Sampling Plan By: Max Macleod Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Geo-pump / Low flow

Purge Water Storage Container Type: 55-galon drum Storage Location: On site

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: Test America

Delivery By:

Well No. OXY - 1LF Depth of Water Oxy Cap

Well Diameter: 2" Well Depth Oxy Cap

☑ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height –

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume –

Time	Depth to Water (ft.)	Volume Purged (gal)	DO (mg/L)	Temp (F°)	PH (SU)	Cond (uS/cm C)	ORP (mV)	Remarks
1447	–	–						Start Purge
1452	–	0.2	6.55	21.96	7.39	1932	61.8	
1455	–	0.2	6.33	22.23	7.37	1919	59.7	
1459	–	0.3	6.24	22.27	7.37	1911	64.0	
1502	–	0.4	6.21	22.36	7.38	1905	61.6	
1510	–	0.5						Sampled

Fe^{2+} = 0.00 mg/L

Continue remarks on reverse, if needed.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500. Fax: (510) 652-2246

PROJECT NO.: EM009480.0013.00002
SECTION NO.: .00002
DATE: 9/27/10
SAMPLER'S INITIALS: MD
PROJECT NAME: Hanson Sunol
SAMPLER (Signature): [signature]
SERIAL No. 5475

SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8260)	VOCs (EPA 8260/624)	Metals (EPA 6010/7000)	MTBE (8260)	TAT: Standard	TAT: RUSH:	TAT: HOLD	REMARKS
Trip Blank	9/27/10	—	[redacted]	2		X			X	X			X		X			
MW-4D		1505	[redacted]	5		X	X		X	X			X		X		*TPHd with silica gel clean-up
MW-4S		1545	[redacted]	5		X	X		X	X			X		X		
MW-6D		1540	[redacted]	5		X	X		X	X			X		X		
MW-4S-D		1555	[redacted]	5		X	X		X	X			X		X		

*VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
**Metals: ☐ CAM17 ☐ RCRA ☐ LUFT

SAMPLE RECEIPT: ☐ Intact ☒ Cold ☒ On Ice ☐ Ambient
Cooler Temp:
Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A

METHOD OF SHIPMENT: hand deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Max Macleod

ANALYTICAL LABORATORY: Test America

FAX RESULTS TO: Max Macleod
SEND HARDCOPY TO: Max Macleod
SEND EDD TO: EMV.LABEDDS.COM

	RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE)	[signature]		
(DATE)	9/27/10		
(PRINTED NAME)	M. Smith		
(TIME)	1720		
(COMPANY)			

	RECEIVED BY: 1	RECEIVED BY: 2	RECEIVED BY (LABORATORY): 3
(SIGNATURE)	[signature]		
(DATE)	9/27/10		
(PRINTED NAME)	MSE		
(TIME)	1720		
(COMPANY)			

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CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.:	SECTION NO.:	DATE:	SAMPLER'S INITIALS:	SERIAL
EM009480.0013.00002		9/28/10	MD	№ 5474

PROJECT NAME: Hanson Sunol
SAMPLER (Signature): [signature]

SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8260)	VOCs (EPA 8260/624)	Metals (EPA 6010/7000)	MTBE (8260)	Standard	RUSH:	HOLD	REMARKS
Trip Blank	9/28/10	—	2		X			X	X				X				
MW-8		0945	5				X										* TPHd with silica gel clean-up
MW-9S		1025															
MW-7D		1045															
MW-9D		1100															
MW-7S		1135															
MW-9LF		1048															
MW-2D		1335															
OXY-1D		1340															
MW-2S		1420															
OXY-1S		1425															
MW-2M		1505															
OXY-1LF		1510															
MW-8-D		0955															

ANALYSES

TAT: Standard / RUSH: / HOLD

REMARKS

*VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
**Metals: ☐ CAM17 ☐ RCRA ☐ LUFT

SAMPLE RECEIPT: ☐ Intact ☒ Cold ☒ On Ice ☐ Ambient
Cooler Temp:
Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A

METHOD OF SHIPMENT: hand deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Max MacLeod
FAX RESULTS TO: Max Macleod
SEND HARDCOPY TO: Max MacLeod.
SEND EDD TO: EMV.LABEDDS.COM

ANALYTICAL LABORATORY: Test America

RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE) [signature] (DATE) 9/28	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
(PRINTED NAME) Milan Drogamic (TIME) 1625	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
(COMPANY) ARCADIS	(COMPANY)	(COMPANY)
RECEIVED BY: 1	**RECEIVED BY: 2**	**RECEIVED BY (LABORATORY): 3**
(SIGNATURE) [signature] (DATE) 9/28/10	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
(PRINTED NAME) [illegible] (TIME) 1625	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
(COMPANY) [illegible]	(COMPANY)	(COMPANY)

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CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: EM009480.0013.00002
SECTION NO.:
DATE: 9/29/10
SAMPLER'S INITIALS: MD
PROJECT NAME: Hanson Sunol
SAMPLER (Signature): T Dragan MLG
SERIAL No. 5477

SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA [illegible])	BTEX (EPA [illegible]) (8260)	VOCs (EPA 8260/624) (8260)	Metals (EPA 6010/7000)	MTBE (8260)	TAT: Standard	TAT: RUSH:	TAT: HOLD	REMARKS
Trip Blank	9/29/10	—	—	2		X			X	X			X				X
MW-1		1040		5		X		X									* TPHd with Silica gel clean-up
MW-10S		1100					X										
MW-10D		1200															
MW-5D		1225															
MW-10LF		1250															
MW-3		1345															
MW-6S		1350															
MW-12S		1525															
MW-12LF		1530															
MW-12D		1605															
MW-1-D	↓	1055		↓		↓	↓	↓	↓			↓					

ANALYSES

*VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
**Metals: ☐ CAM17 ☐ RCRA ☐ LUFT

SAMPLE RECEIPT: Cooler Temp:
☐ Intact ☒ Cold
☒ On Ice ☐ Ambient
Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A

METHOD OF SHIPMENT: hand deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Max Macleod
FAX RESULTS TO: Max Macleod
SEND HARDCOPY TO: Max Macleod
SEND EDD TO: EMV.LABEDDS.COM

ANALYTICAL LABORATORY: Test America

	RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE)	T Dragan MLG		
(DATE)	9/29/10		
(PRINTED NAME)	Milyan Dragan.c		
(TIME)	1720		
(COMPANY)	ARCADIS		
	RECEIVED BY:	**RECEIVED BY:** 2	**RECEIVED BY (LABORATORY):** 3
(SIGNATURE)	[illegible]		
(DATE)	9/29/10		
(PRINTED NAME)	[illegible]		
(TIME)	1720		
(COMPANY)	TAS F		

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CHAIN of CUSTODY - ANALYSES FORM.CDR 5/2003

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR
1900 Powell Street, 12th Floor
Emeryville, California 94608
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: EM009480.0013.00002
SECTION NO.:
DATE: 9/30/10
SAMPLER'S INITIALS: MD
PROJECT NAME: Hanson Sunol
SAMPLER (Signature): T Dragan MD
SERIAL Nº 5419

SAMPLE / ANALYSES / REMARKS

SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA [redacted] (8260)	VOCs (EPA [redacted] (8260)	Metals (EPA 6010/7000)	MTBE (8260)	TAT: Standard	TAT: RUSH:	TAT: HOLD	REMARKS
Trip Blank	9/30/10	—		2		X			X	X			X		X		
MW-11S		0930		5		X	X		X	X			X		X		* TPHd with silica gel clean-up
MW-11LF		1025															
MW-11D		1125															
MW-5S		1245															
MW-11S-D		0940															

*VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
**Metals: ☐ CAM17 ☐ RCRA ☐ LUFT

SAMPLE RECEIPT: ☐ Intact ☒ Cold ☒ On Ice ☐ Ambient
Cooler Temp:
Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A

METHOD OF SHIPMENT: hand deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Max Macleod

ANALYTICAL LABORATORY: Test America

FAX RESULTS TO: Max Macleod
SEND HARDCOPY TO: Max Macleod
SEND EDD TO: EMV.LABEDDS.COM

	1	2	3
RELINQUISHED BY:	T Dragan MD 9/30/10		
(SIGNATURE) (DATE)			
(PRINTED NAME) (TIME)	Milan Draganic 1400		
(COMPANY)	ARCADIS		
RECEIVED BY:			
(SIGNATURE) (DATE)			
(PRINTED NAME) (TIME)			
(COMPANY)			
RECEIVED BY (LABORATORY):			Jennifer L. 9-30-10
(SIGNATURE) (DATE)			[illegible] 10/1/10
(PRINTED NAME) (TIME)			[illegible]
(COMPANY)			[illegible]

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