Fourth Quarter 2009 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)

February 12, 2010
EM009480.0011

Prepared for
Lehigh Hanson West Region
12667 Alcosta Boulevard, Suite 400
San Ramon, California 94583

Prepared by
LFR Inc. an ARCADIS Company
1900 Powell Street, 12th Floor
Emeryville, California 94608

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

February 12, 2010

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

Subject: **Fourth Quarter 2009 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 Fourth Quarter 2009 Air Injection System and Groundwater Monitoring Report was prepared by LFR Inc. an ARCADIS company (LFR, now fully integrated and known as 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 fourth quarter of 2009 (October 1 through December 31, 2009) in the vicinity of the air injection system (AIS) operating at the Site. This report also includes a summary of AIS performance monitoring and routine operation and maintenance activities conducted during the reporting period. A more detailed evaluation of the monitoring and performance data will be presented on a semiannual basis after site-wide groundwater monitoring is completed during the first and third quarters of 2010.

In summary, the findings of this report indicate that the AIS continues to be effective at reducing total petroleum hydrocarbon (TPH) concentrations in the vicinity of the AIS, in particular in well cluster MW-9 where historically the highest TPH concentrations have been detected. The increase in TPH concentrations observed in well MW-7D when compared to previous results is attributed to recent adjustments made to the AIS to increase air injection into the subsurface. No changes to the AIS operation are proposed at this time. The next groundwater monitoring event will include sampling all wells at the Site during the first quarter of 2010.

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 Air Injection System and Groundwater Monitoring Report, please call me at (925) 244-6584 or Katrin Schliewen of LFR at (510) 652-4500.

Sincerely,

Lee W. Cover
Environmental Manager
Lehigh Hanson West Region

Attachment

cc: Bill Butler, Hanson Aggregates Mid-Pacific, Inc.

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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.*

February 12, 2010

E. Max MacLeod, P.E. Date
Senior Project Engineer
California Professional Engineer No. C69846

February 12, 2010

Katrin M. Schliewen, P.G. Date
Senior Hydrogeologist
California Professional Geologist No. 7808

* 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 to abide by contract documents, applicable codes, standards, regulations, and ordinances.

EXECUTIVE SUMMARY

This Groundwater Monitoring Report for the period October 1 through December 31, 2009 ("the reporting period") presents the results of groundwater monitoring conducted in the vicinity of the air injection system (AIS) and a summary of AIS operation observations conducted by LFR Inc. an ARCADIS company (LFR, now fully integrated and known as ARCADIS), on behalf of Lehigh Hanson West Region, in the asphalt plant area of the aggregate mining facility located at 7999 Athenour Way in Sunol, Alameda County, California ("the Site").

Routine AIS operation and maintenance was conducted approximately biweekly during the reporting period. Routine quarterly groundwater and annual soil-gas sampling were conducted on December 17-18, 2009. This report presents the data from monitoring conducted during the reporting period. A more detailed data evaluation will be presented in the semiannual monitoring report following the site-wide groundwater sampling event scheduled to be conducted during first quarter 2010.

The AIS has been in continuous operation since April 6, 2009 and consists of compressed air injected into wells OXY-1D and OXY-1LF. One unscheduled shutdown event occurred during the current quarter when the AIS temporarily ceased operating for approximately 10 days in December 2009 due to a leak in the compressor tank. The leak was repaired and the AIS resumed full-time operation.

Groundwater monitoring results confirm that total petroleum hydrocarbons (TPH) and TPH-related compounds continue to decrease, in particular in well cluster MW-9 where historically the highest concentrations have been detected. Concentrations detected in the December 2009 groundwater sample collected from well MW-7D are higher than results from the previous sampling event. This increase is attributed to adjustments made to the AIS operation in September 2009 to deliver more air into the subsurface. Inorganic parameters, including increasing dissolved oxygen and oxidation-reduction potential and reducing ferrous iron concentrations, confirm that oxygen is being delivered into the formation, in particular in the MW-9 well cluster.

Soil-gas monitoring results indicate that there is no significant increased risk to human health due to AIS operation.

In general, the current operation of the AIS continues to be effective at reducing TPH and TPH-related concentrations in groundwater. LFR recommends that the AIS continue to operate in its current configuration. In accordance with Alameda County Environmental Health, routine quarterly groundwater monitoring of the 10 wells located in the vicinity of the AIS and site-wide groundwater monitoring will be conducted semiannually. Soil-gas samples will be collected approximately at the end of the dry season to verify soil-gas concentrations.

1.0 INTRODUCTION

LFR Inc. an ARCADIS company (LFR, now fully integrated and known as ARCADIS) has prepared this "Fourth Quarter 2009 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"; Figures 1 and 2). This report presents a summary of groundwater and air injection system (AIS) monitoring and results for the period from October 1 through December 31, 2009 ("the reporting period"). A more detailed evaluation of the monitoring data with emphasis on groundwater remediation progress will be presented in the semiannual monitoring report following site-wide groundwater monitoring conducted during the first and third quarters of 2010.

During the current quarter, routine AIS performance and groundwater monitoring were conducted in accordance with the July 23, 2009 Alameda County Environmental Health (ACEH) comment letter (ACEH 2009) and the August 17, 2009 report by LFR titled "Air Injection System Installation, Start-up, and Frist Quarter Operations Report" (LFR 2009). In accordance with ACEH, routine groundwater monitoring of select wells located in the vicinity of the AIS is conducted on a quarterly basis to monitor the performance of the AIS; routine groundwater monitoring of all site wells is conducted on a semiannual basis during the first and third quarters. This quarterly monitoring report presents the results of routine groundwater monitoring conducted during the current quarter in the vicinity of the AIS.

2.0 AIR INJECTION SYSTEM OPERATION

The AIS was installed during January and February 2008 as part of a pilot study to test the effectiveness of the injection of air into the subsurface (LFR 2008a), and the full-time system has been in operation since April 6, 2009 (LFR 2009). The AIS consists of an air compressor and associated piping to inject compressed air through a series of regulators, filters, valves, flow meters, hoses, and eventually through the screened intervals of injection wells OXY-1D and OXY-1LF (Figure 3), delivering oxygen 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 total petroleum hydrocarbon (TPH) concentrations have been detected in groundwater to date. A description of the AIS installation and construction was provided in the start-up report (LFR 2009).

Routine operation and maintenance (O&M) of the AIS are conducted by LFR approximately biweekly during which operating parameters are recorded on field sheets and the system is adjusted as necessary. Below is a summary of performance monitoring and results for the current quarter.

2.1 AIS Operation Parameters

The AIS is configured to operate continuously; the timer has been programmed to open the two solenoid valves that provide air flow to wells OXY-1D and OXY-1LF for overlapping 30-minute intervals per hour for each well. The system initially was programmed to inject 5 standard cubic feet per minute (scfm) of air into each injection well for sequential 20-minute intervals followed by a 20-minute period of no air flow during each hour. On August 28, 2009, the injection sequence was re-programmed to increase the length of time that air was injected into each injection well with the goal of delivering more oxygen to the groundwater. The August 28, 2009 program has been used continuously since it was originally programmed, and repeats the sequence shown in the following table every hour:

Current Air Injection Sequence

Time Interval	OXY-1LF	OXY-1D
0 to 15 minutes	Off	Injection at approximately 5 scfm
15 to 30 minutes	Injection at approximately 5 scfm	Injection at approximately 5 scfm
30 to 45 minutes	Injection at approximately 5 scfm	Off
45 to 60 minutes	Off	Off

2.2 Routine O&M Observations

O&M visits were conducted approximately biweekly during the reporting period. One unscheduled shutdown of the AIS occurred at the end of the reporting period. During the routine O&M visit conducted on January 8, 2010, the field technician found the system was not operating due to a leak in the compressor tank and estimated that the AIS had not been operating for a period of approximately 10 days. The source of the leak was a gauge on the tank that had come unscrewed from its threaded mounting hole, allowing air to escape through the hole. The gauge was re-mounted into its threaded hole and the AIS resumed operation. No other shutdowns have occurred during the current quarter.

During the routine O&M site visits, the field technician records system flow rates and pressure at various points, adjusts the flow of air into each injection well (if necessary), and provides periodic system equipment maintenance as needed. Since system start-up, upgrades to the equipment have been performed, including installation of check valves and a new pressure switch that can be set to operate over a wider range of pressures than the factory-supplied switch. Routine maintenance of the AIS has included:

- Replacing a cracked flow gauge;
- Adding oil and performing an oil change for the compressor;
- Cleaning or changing the compressor's air filter; and
- Field verification of the programmed sparging sequence.

3.0 GROUNDWATER AND SOIL-GAS MONITORING

The current quarter's routine groundwater monitoring event consisted of measuring depth to groundwater and purging and sampling 10 wells located in the vicinity of (and part of) the AIS on December 17-18, 2009. The 10 wells included seven groundwater monitoring wells (wells (MW-1, MW-7S/D, MW-8, and MW-9S/D/LF) and the three air injection wells OXY1S/D/LF; Figure 3). The methodology and results of this groundwater monitoring event are described in this section. Groundwater monitoring results from the current quarter are summarized in Tables 1, 2, and 3 and presented on Figure 3. Historical groundwater monitoring data are included in Appendix A, and concentration trend graphs are presented in Appendix B. Certified analytical reports are included in Appendix C, and copies of field sheets are included in Appendix D.

As recommended in LFR's August 17, 2009 report (LFR 2009), soil-gas samples are scheduled to be collected approximately yearly during the AIS operation. Soil-gas samples were collected from the four soil-gas probes (SG-1 through SG-4) on December 17-18, 2009. Analytical results are summarized in Table 4. Results from the routine groundwater and soil-gas monitoring event are briefly discussed below. A more detailed data evaluation will be presented in the next semiannual summary report following the site-wide groundwater sampling event scheduled to be conducted during the first quarter of 2010.

3.1 Methodology

3.1.1 Temporary AIS Shutdown

Prior to conducting the December 2009 groundwater and soil-gas monitoring event, the AIS was temporarily shut down to stop the active injection of compressed air into wells OXY-1D and OXY-1LF. The system was shut down approximately one hour before monitoring began, and was turned back on after all groundwater and soil-gas samples had been collected.

3.1.2 Groundwater Elevation Monitoring

Depth to groundwater was measured in the 10 wells approximately one hour after the system was shut down. The depth to groundwater was measured relative to the top of casing (TOC) using a Solinst water-level indicator. Depth-to-groundwater measurements were recorded on field sheets. Groundwater elevations were calculated

by subtracting the depth-to-groundwater measurement from the TOC elevation. Groundwater elevation data are presented in Table 1 and in Appendix A.

3.1.3 Groundwater Well Purging and Sampling

The 10 wells monitored during the reporting period were purged and sampled using "low-flow" sampling protocols and dedicated flexible tubing. An electrical peristaltic pump was used to minimize the drawdown during purging. General 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 were recorded on field sheets. Groundwater samples were collected after the general water-quality parameters stabilized for three successive readings to approximately within the standard criteria for pH ($\pm$0.1 standard units), electrical conductivity ($\pm$3%), DO ($\pm$10%), and ORP ($\pm$10 millivolts). The final stabilized general water-quality readings recorded immediately prior to collection of samples are presented in Table 3.

Groundwater samples were collected into clean, laboratory-provided sample containers using the low-flow pump. Containers were labeled and transported in ice-chilled coolers under strict chain-of-custody protocol to the analytical laboratories. One field duplicate sample was collected at well OXY-1LF and submitted to the laboratory for quality control purposes.

3.1.4 Groundwater Sample Analyses

All groundwater samples were analyzed in the field for the standard water-quality field parameters monitored during purging and for ferrous iron. Groundwater samples for laboratory analyses were collected and submitted to TestAmerica Laboratories, Inc., a California-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 teriary-butyl ether (MTBE) by EPA Method 8260B

3.2 Groundwater Analytical Results

Analytical results for the groundwater samples collected during the reporting period are presented in Tables 2 and 3. Selected analytical results are presented on Figure 3.

3.2.1 Petroleum Hydrocarbons and Related Compounds

Consistent with previous monitoring events, the primary TPH and TPH-related compounds detected in groundwater samples continue to be TPHd, TPHg, and benzene, and to a lesser extent toluene, ethylbenzene, and total xylenes (BTEX compounds). MTBE was not detected in any sample collected from the 10 wells during the reporting period (MTBE historically has been detected primarily in samples collected from wells located in the southern portion of the Site). The highest concentrations of petroleum hydrocarbons were detected in samples collected from well MW-7D.

In general, concentrations of petroleum hydrocarbons and related compounds have decreased in wells located in the vicinity of the AIS since the beginning of AIS operation, in particular in well cluster MW-9 where historically the highest concentrations have been detected. However, TPH and BTEX concentrations increased in the December 2009 sample collected from well MW-7D when compared to previous samples collected since the AIS began operation. The increased concentrations may be a result of the system performance adjustments made in September 2009 to increase air flow and pressure into the air injection wells. The adjustments were made to achieve a larger radius of influence (ROI), ideally approaching the 35-foot ROI observed during the pilot test when AIS pressures and flow rates were relatively elevated. Similar to observations made during the pilot test (January/February 2008) and at system start-up (April 2009), concentrations increased as a results of increased air injection, likely due to local mobilization of TPH. The increases observed during the pilot test and after system start-up were temporary and were followed by significant reductions in TPH concentrations. It is expected that future samples collected from well MW-7D will contain relatively lower TPH concentrations.

Well MW-9D historically contained the highest concentrations. Results from the reporting period indicate that concentrations have decreased significantly since the AIS has been in operation, in particular, TPHd, TPHg, benzene, and ethylbenzene were not detected during the reporting period; toluene and xylenes were detected at low concentrations slightly above the laboratory reporting limits. The AIS appears to be locally effective in reducing TPH concentrations in groundwater.

3.2.2 Inorganic and Field Parameters

Selected field parameter and inorganic monitoring results in groundwater samples collected during the pilot test and since the AIS began operation are summarized in Table 3, based on field sheets included in Appendix C.

In general, DO concentrations and the ORP have increased in wells located in the vicinity of the AIS, confirming the delivery of oxygen into the formation. Consistent with these increases in DO and ORP, concentrations of ferrous iron have decreased. These trends are particularly apparent in well cluster MW-9, which is located closest to the injection wells, where historically the highest TPH concentrations have been

detected, and where the most significant decreases in TPH concentrations have been observed since the start-up of the AIS. This trend is also apparent to a certain extent in well MW-7D where elevated TPH concentrations have been detected historically; TPH concentrations have generally decreased in well MW-7D, although, as discussed above, the December 2009 sample contained relatively higher TPH concentrations than the previous sample contained.

3.2.3 Soil-Gas Monitoring

Soil-gas samples were collected on December 17-18, 2009 from each of the four soil-gas probes (SG-1 through SG-4) using a personal air sampler pump fitted with a low-flow module to allow controlled flow rates. The soil-gas probes were purged and the pumping rate was calibrated prior to sample collection. The soil-gas samples were collected by using the air pump attached to the sample tube to draw soil gas through the sample tube containing sorbent material while monitoring the pumping rate and duration of the sample collection. The samples were placed in an ice-chilled cooler and transported under chain-of-custody protocol to Air Toxics Ltd., a state-certified environmental laboratory located in Folsom, California, and analyzed for TPHd, TPHg, BTEX, and MTBE using EPA Method TO-17.

Soil-gas analytical results are summarized in Table 4. TPHg was detected at elevated concentrations in the samples collected from SG-3 and SG-4; all compounds were below reporting limits in the samples collected from SG-1 and SG-2. These results are similar to results of soil-gas samples collected during the pilot test (LFR 2008a).

No shallow soil-gas screening levels exist for evaluating potential outdoor-air impacts; a site-specific human health risk assessment would need to be conducted to evaluate potential risks to workers. However, the results can be compared to worker health and safety permissible exposure limits (PELs) as defined by the California Occupational Safety and Health Administration (Cal/OSHA). All results are below the PELs. In addition, considering the site conditions (outdoor air with wind-driven dispersion of soil gas at ground surface; facility personnel working only rarely and for short periods of time in the vicinity of a potential future air sparge system; existing ambient air quality due to existing asphalt plant operations), the increased risk to human health from sparging activities is not considered to be significant.

Soil-gas samples are proposed to be collected again during 2010 approximately at the end of the dry season when the groundwater table is expected to be relatively low.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

Routine AIS O&M was conducted approximately biweekly during the reporting period, and routine quarterly groundwater and annual soil-gas sampling were conducted on

December 17-18, 2009. Groundwater monitoring consisted of purging and sampling the 10 wells located in the vicinity of the AIS. Soil-gas monitoring consisted of purging and sampling the four soil-gas probes located near the AIS. This report presents the data from monitoring conducted during the reporting period. A more detailed data evaluation will be presented in the semiannual monitoring report following the site-wide groundwater sampling event scheduled to be conducted during the first quarter of 2010.

The AIS has been in continuous operation since April 6, 2009 and consists of compressed air injected into wells OXY-1D and OXY-1LF. The AIS has operated without unscheduled shutdowns with one exception; the AIS temporarily ceased operating for approximately 10 days in December 2009 due to a leak in the compressor tank caused by an unscrewed gauge on the tank. The gauge was re-mounted and the AIS resumed operation. No other significant O&M issues were encountered during the reporting period.

Groundwater monitoring results confirmed that TPH and TPH-related compounds continue to decrease significantly in well cluster MW-9, which is located near the air injection wells and where historically the highest concentrations have been detected. Concentrations detected in the groundwater sample collected from well MW-7D are higher than results from the previous sampling event. This increase is attributed to adjustments made to the AIS operation in September 2009 to deliver more air into the subsurface. Similar TPH concentration increases were previously observed during the pilot test and after AIS start-up and are attributed to residual TPH mobilized by increased air injection. It is expected that concentrations will stabilize and decrease as the degradation of TPH compounds continues. Inorganic parameters, including increasing DO and ORP and reducing ferrous iron concentrations, confirm that oxygen is being delivered into the formation, in particular in the MW-9 well cluster.

Soil-gas monitoring results indicate that elevated TPHg concentrations were detected at two locations; concentrations of all parameters are below PELs. In addition, the site conditions (outdoor air and facility personnel working only rarely in the vicinity of the AIS) are such that there is no significant increased risk from sparging to human health.

In conclusion, the current operation of the AIS continues to be effective at reducing TPH and TPH-related concentrations in groundwater.

4.2 Recommendations and Proposed Monitoring Schedule

It is recommended that the current AIS continue to operate in its current configuration and that routine O&M and performance monitoring be continued. In accordance with ACEH, routine quarterly groundwater monitoring of the ten wells located in the vicinity of the AIS and site-wide groundwater monitoring will be conducted semiannually. Soil-gas samples will be collected approximately at the end of the dry season to verify soil-gas concentrations.

The proposed monitoring and reporting schedule is summarized in the following table.

Proposed Groundwater Monitoring and Reporting Schedule for 2010

Quarter	Water Level Monitoring	Groundwater Sampling Event	Reporting Schedule (report due date 45 days after end of the quarter)
4Q09 (October through December)	--	AIS vicinity: 7 monitoring wells and 3 injection wells	Data transmittal report (due February 15, 2010)
1Q10 (January through March)	Site-wide	Site-wide: 26 monitoring wells and 3 injection wells	Site-wide data and remediation progress evaluation (due May 15, 2010)
2Q10 (April through June)	--	AIS vicinity: 7 monitoring wells and 3 injection wells	Data transmittal report (due August 15, 2010)
3Q10 (July through September)	Site-wide	Site-wide: 26 monitoring wells and 3 injection wells	Site-wide data and remediation progress evaluation (due November 15, 2010)
4Q10 (October through December)	--	AIS vicinity: 7 monitoring wells and 3 injection wells	Data transmittal report (due February 15, 2011)

Notes: 4Q09, 1Q10, 2Q10, 3Q10, and 4Q10 refer to the fourth quarter of 2009 and to the first, second, third, and fourth quarters of 2010, respectively.

5.0 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 LFR 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, expressed or implied, is intended or given. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR 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 LFR's 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. LFR's 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.

LFR, 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.

6.0 REFERENCES

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Table 1
Groundwater Elevation Data - December 2009
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	12/17/09	4.34	254.34	ND
MW-7S	258.84	12/17/09	5.32	253.52	ND
MW-7D	258.8	12/17/09	4.80	254.00	ND
MW-8	258.84	12/17/09	4.32	254.52	ND
MW-9S	258.41	12/17/09	4.60	253.81	ND
MW-9D	258.86	12/17/09	6.90	251.96	ND
MW-9LF	258.94	12/17/09	6.46	252.48	ND

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

Table 2
Analytical Results for Groundwater Monitoring Well Samples - December 2009
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)
MW-1	12/17/09		**230**	ND < 50	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5
MW-7S	12/18/09		**1,800**	**290**	ND < 0.5	ND < 0.5	**1.5**	ND < 1.0	ND < 0.5
MW-7D	12/18/09		**5,300**	**40,000**	**100**	**94**	**1,100**	**800**	ND < 12
MW-8	12/17/09		**280**	ND < 50	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5
MW-9S	12/18/09		**77**	ND < 50	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5
MW-9D	12/18/09		ND < 50	ND < 50	ND < 0.5	ND < 0.5	**1.6**	**2.0**	ND < 0.5
MW-9LF	12/17/09		ND < 50	ND < 50	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5
OXY-1S	12/17/09		**71**	ND < 50	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5
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-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
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.

Boxed values indicated result exceeds the ESL.

Table 3
Analytical Results for Soil-Gas Probe Samples - December 2009
Hanson Aggregates Sunol Facility, Asphalt Plant
7999 Athenour Way, Sunol, California

Soil-Gas Probe ID	SG-1		SG-2		SG-3		SG-4		PELs	
Date Sampled [1]	12/18/09		12/18/09		12/18/09		12/18/09			
Sample Volume (ml)	1,037		943		1,003		962			
Units	ng	mg/m^3	ng	mg/m^3	ng	mg/m^3	ng	mg/m^3	ppmv	mg/m^3
TPHd	<1,000	<960	<1,000	<1,100	<1,000	<1,000	<1,000	<1,100	-	-
TPHg	<1,000	<960	<1,000	<1,100	480,000 E	**480,000** E	74,000	**77,000**	*300*	*1,060,000*
Benzene	<10	<9.6	<10	<11	<10	<10	11	**11**	*1*	*3,200*
Toluene	<5.0	<4.8	<5.0	<5.3	<5.0	<5.0	<5.0	<5.2	*50*	*190,000*
Ethylbenzene	<5.0	<4.8	<5.0	<5.3	<5.0	<5.0	<5.0	<5.2	*100*	*434,000*
m,p-Xylene	<10	<9.8	<10	<11	<10	<10	<10	<11	*100*	*434,000*
o-Xylene	<5.0	<4.8	<5.0	<5.3	<5.0	<5.0	<5.0	<5.2	*100*	*434,000*
Napthalene	<5.0	<4.8	<5.0	<5.3	<5.0	<5.0	<5.0	<5.2	*10*	*52,000*
MTBE	<50	<48	<50	<53	<50	<50	<50	<52	*40*	*144,000*

Notes:

ID = identification; monitoring well identification number

ml = milliliters

ng = nanograms

μg/m^3 = micrograms per cubic meter (calculated from values provided in nanograms [e.g., analytical results] or ppmv [e.g., PELs])

ppmv = parts per million by volume

TPHg = total petroleum hydrocarbons as gasoline

TPHd = total petroleum hydrocarbons as diesel

MTBE = methyl tertiary-butyl ether

"<" = analyte not detected at or above the noted laboratory reporting limit

E = Exceeds instrument calibration range

Bold = analyte detected at or above the laboratory reporting limit

PELs = Permissible Exposure Limits by the California Occupational Safety and Health Administration (Cal/OSHA), California Code of Regulations Title 8, Section 5155, Airborne Contaminants, Dusts, Fumes, Mists, Vapors and Gases.

[1] Soil-gas samples were collected approximately 2-4 hours after the air injection system was temporarily shut down.

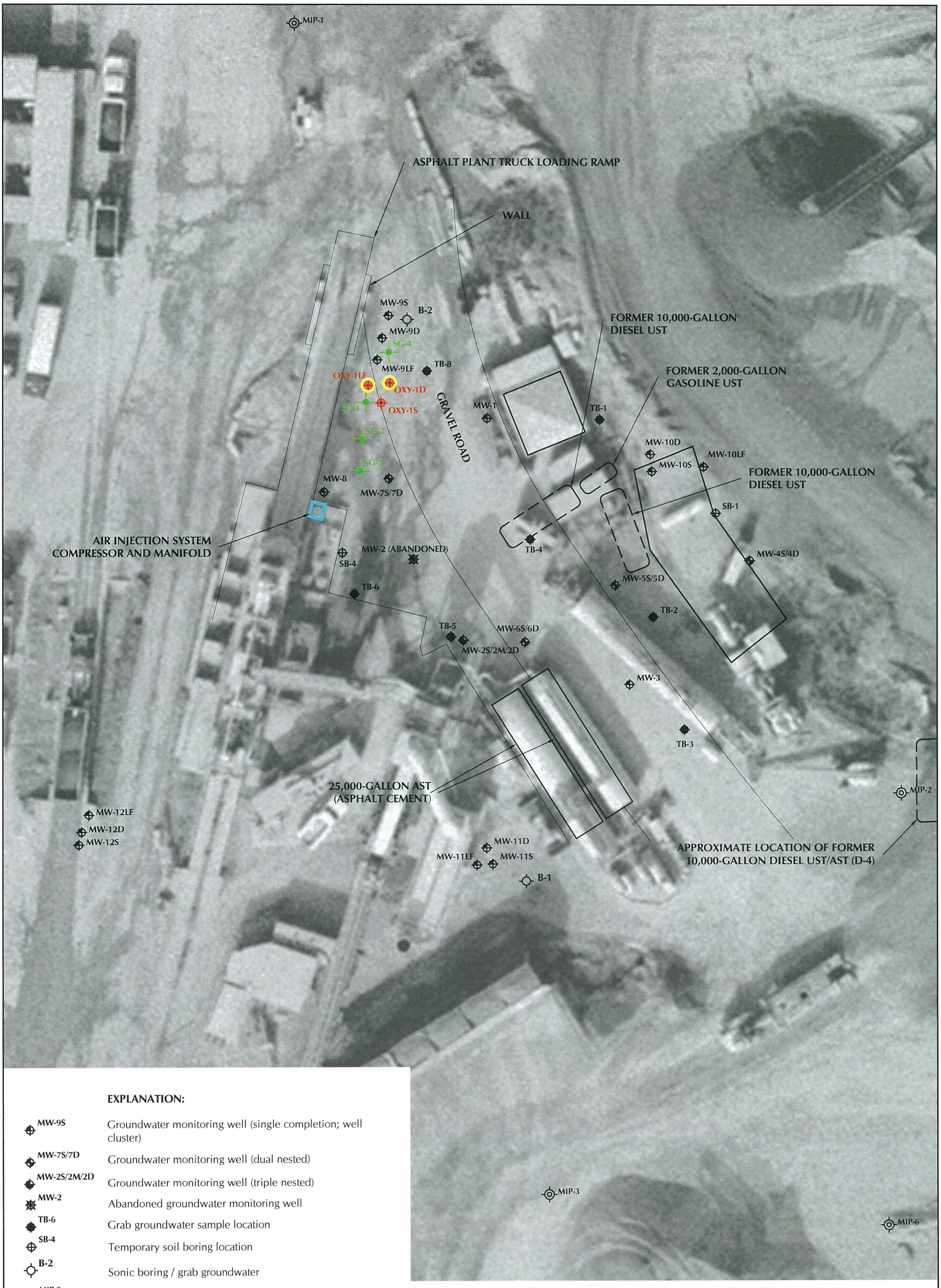
K:\001_EMV\P00000_PROPOSALS\Hanson_sunol\HansonSunolProp2.mxd - 3/18/2008 @ 3:58:30 PM

Site Location Map

Hanson Aggregates, 7999 Athenour Way, Sunol, CA

LFR

Figure 1



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)
OXY-1S	Used for air injeciton

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

N

0 30 FEET
APPROXIMATE SCALE

Site Plan

Hanson Aggregates, Sunol, California

Figure 2

LFR an ARCADIS company

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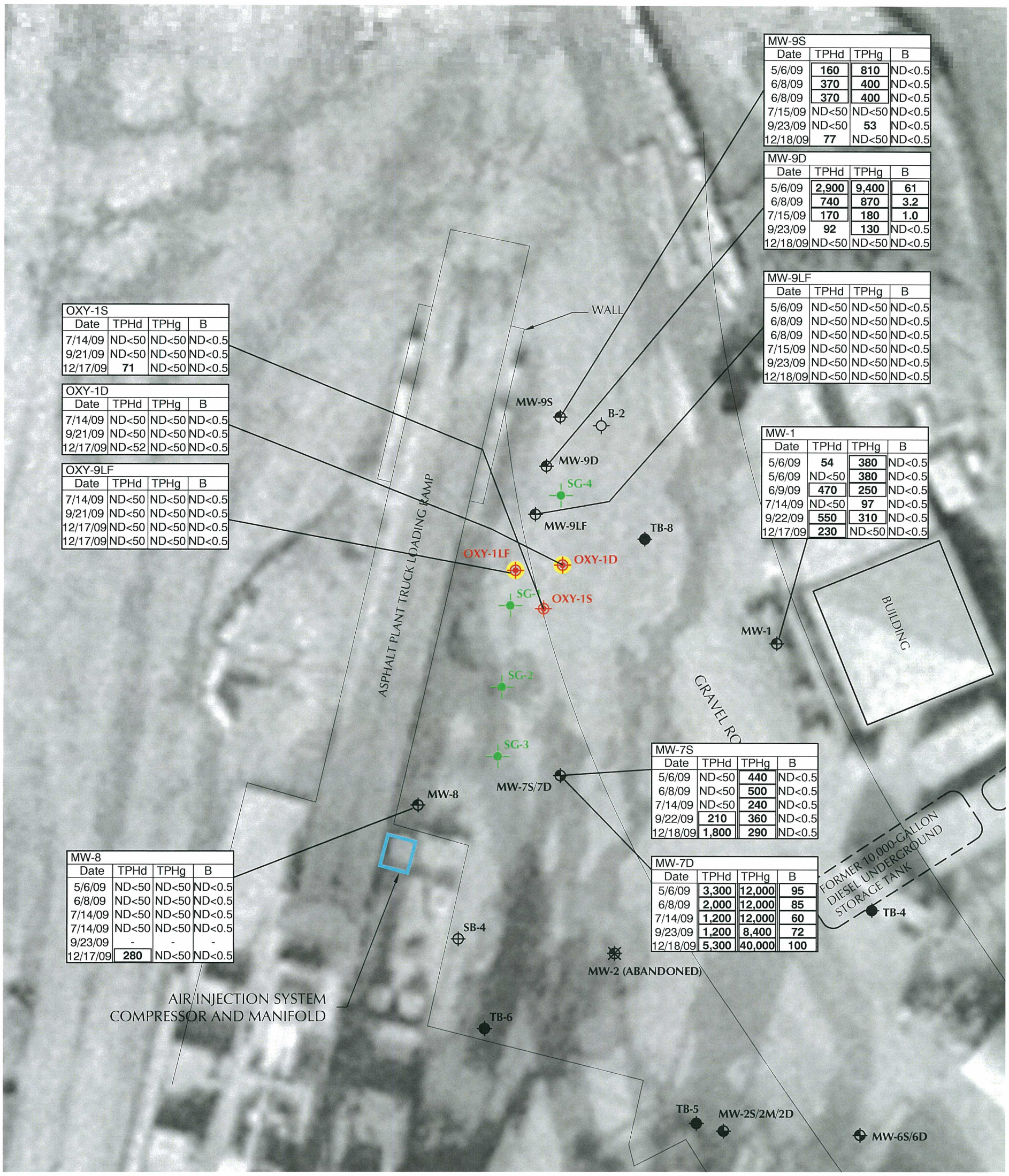

MW-9S			
Date	TPHd	TPHg	B
5/6/09	**160**	**810**	ND<0.5
6/8/09	**370**	**400**	ND<0.5
6/8/09	**370**	**400**	ND<0.5
7/15/09	ND<50	ND<50	ND<0.5
9/23/09	ND<50	**53**	ND<0.5
12/18/09	**77**	ND<50	ND<0.5

MW-9D			
Date	TPHd	TPHg	B
5/6/09	**2,900**	**9,400**	**61**
6/8/09	**740**	**870**	**3.2**
7/15/09	**170**	**180**	**1.0**
9/23/09	**92**	**130**	ND<0.5
12/18/09	ND<50	ND<50	ND<0.5

MW-9LF			
Date	TPHd	TPHg	B
5/6/09	ND<50	ND<50	ND<0.5
6/8/09	ND<50	ND<50	ND<0.5
6/8/09	ND<50	ND<50	ND<0.5
7/15/09	ND<50	ND<50	ND<0.5
9/23/09	ND<50	ND<50	ND<0.5
12/18/09	ND<50	ND<50	ND<0.5

MW-1			
Date	TPHd	TPHg	B
5/6/09	**54**	**380**	ND<0.5
5/6/09	ND<50	**380**	ND<0.5
6/9/09	**470**	**250**	ND<0.5
7/14/09	ND<50	**97**	ND<0.5
9/22/09	**550**	**310**	ND<0.5
12/17/09	**230**	ND<50	ND<0.5

OXY-1S			
Date	TPHd	TPHg	B
7/14/09	ND<50	ND<50	ND<0.5
9/21/09	ND<50	ND<50	ND<0.5
12/17/09	**71**	ND<50	ND<0.5

OXY-1D			
Date	TPHd	TPHg	B
7/14/09	ND<50	ND<50	ND<0.5
9/21/09	ND<50	ND<50	ND<0.5
12/17/09	ND<52	ND<50	ND<0.5

OXY-9LF			
Date	TPHd	TPHg	B
7/14/09	ND<50	ND<50	ND<0.5
9/21/09	ND<50	ND<50	ND<0.5
12/17/09	ND<50	ND<50	ND<0.5
12/17/09	ND<50	ND<50	ND<0.5

MW-7S			
Date	TPHd	TPHg	B
5/6/09	ND<50	**440**	ND<0.5
6/8/09	ND<50	**500**	ND<0.5
7/14/09	ND<50	**240**	ND<0.5
9/22/09	**210**	**360**	ND<0.5
12/18/09	**1,800**	**290**	ND<0.5

MW-7D			
Date	TPHd	TPHg	B
5/6/09	**3,300**	**12,000**	**95**
6/8/09	**2,000**	**12,000**	**85**
7/14/09	**1,200**	**12,000**	**60**
9/23/09	**1,200**	**8,400**	**72**
12/18/09	**5,300**	**40,000**	**100**

MW-8			
Date	TPHd	TPHg	B
5/6/09	ND<50	ND<50	ND<0.5
6/8/09	ND<50	ND<50	ND<0.5
7/14/09	ND<50	ND<50	ND<0.5
7/14/09	ND<50	ND<50	ND<0.5
9/23/09	-	-	-
12/17/09	**280**	ND<50	ND<0.5

EXPLANATION:

- MW-9S — Groundwater monitoring well (single completion; well cluster)
- MW-7S/7D — Groundwater monitoring well (dual nested)
- MW-2S/SM/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
- OXY-1D — Air injection well
- SG-1 — Soil gas monitoring probe
- OXY-1D — Used for air injection

MW-1			
Date	TPHd	TPHg	B
5/6/09	**54**	**380**	ND<0.5
5/6/09	ND<50	**380**	ND<0.5
6/9/09	**470**	**250**	ND<0.5
7/14/09	ND<50	**97**	ND<0.5
9/22/09	**550**	**310**	ND<0.5
12/17/09	**230**	ND<50	ND<0.5

Location ID
Compound
Concentrations in (µg/L)

470 Boxed Values Exceed the Respective ESL

TPHd Total Petroleum Hydrocarbons as Diesel
TPHg Total Petroleum Hydrocarbons as Gasoline
B Benzene

0 15 FEET
APPROXIMATE SCALE

TPHd/g and Benzene in Groundwater in Vicinity of Air Injection System Since Start-Up

Hanson Aggregates, Sunol, California

Figure 3

LFR an ARCADIS company

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APPENDIX A

Historical 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	1.9	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	5.9	252.78	ND
MW-1		3/9/09	2.47	256.21	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		5/6/09	3.39	255.29	ND
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-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
MW-2S		12/10/07	6.55	252.29	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-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	3.4	255.44	ND
MW-2S		6/10/09	4.30	254.54	ND
MW-2S		9/21/09	4.9	253.94	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-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
MW-2D		6/11/07	5.45	253.46	ND
MW-2D		9/11/07	7	251.91	ND
MW-2D		12/10/07	7.23	251.68	ND
MW-2D		3/10/08	3.22	255.69	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		6/9/08	4.46	254.45	ND
MW-2D		9/8/08	5.94	252.97	ND
MW-2D		12/8/08	7.6	251.31	ND
MW-2D		3/9/09	3.8	255.11	ND
MW-2D		6/10/09	4.85	254.06	ND
MW-2D		9/21/09	5.42	253.49	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
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

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		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	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-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	3.2	255.94	ND
MW-4S		6/9/08	4.11	255.03	ND
MW-4S		9/8/08	4.6	254.54	ND
MW-4S		12/8/08	5.25	253.89	ND
MW-4S		3/9/09	4.1	255.04	ND
MW-4S		6/9/09	4.80	254.34	ND
MW-4S		9/21/09	4.98	254.16	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
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

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		6/9/08	5.09	254.13	ND
MW-4D		9/8/08	6.3	252.92	ND
MW-4D		12/8/08	8.16	251.06	ND
MW-4D		3/9/09	4.6	254.62	ND
MW-4D		6/9/09	5.60	253.62	ND
MW-4D		9/21/09	6.15	253.07	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	3.5	255.93	ND
MW-5S		6/9/09	4.83	254.60	ND
MW-5S		9/21/09	5.27	254.16	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
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	3.5	255.90	ND
MW-5D		6/9/08	4.59	254.81	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		9/8/08	5.69	253.71	ND
MW-5D		12/8/08	7.3	252.10	ND
MW-5D		3/9/09	3.8	255.60	ND
MW-5D		6/9/09	4.95	254.45	ND
MW-5D		9/21/09	5.4	254.00	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	254.75	ND
MW-6S		9/8/08	5.4	253.35	ND
MW-6S		12/8/08	6.95	251.80	ND
MW-6S		3/9/09	3.3	255.45	ND
MW-6S		6/10/09	4.40	254.35	ND
MW-6S		9/21/09	4.96	253.79	ND
MW-6D	259.27	1/17/05	5.17	254.10	ND
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	7.8	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

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		12/8/08	8	251.27	ND
MW-6D		3/9/09	4.3	254.97	ND
MW-6D		6/10/09	5.30	253.97	ND
MW-6D		9/21/09	6.01	253.26	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	4.8	254.04	ND
MW-7S		12/8/08	6.2	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
MW-7S		12/17/09	5.32	253.52	ND
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

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-7D		6/9/08	3.7	255.10	ND
MW-7D		9/8/08	5.18	253.62	ND
MW-7D		12/8/08	6.7	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-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	5.8	253.04	ND
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	2.5	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-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

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-9S		3/10/08	1.55	256.86	ND
MW-9S		6/9/08	3	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	4.6	253.81	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
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	5.6	253.26	ND
MW-9D		12/8/08	7.1	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	6.4	252.46	ND
MW-9D		12/17/09	6.9	251.96	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	251.94	ND
MW-9LF		12/10/07	7.04	251.90	ND
MW-9LF		3/10/08	3	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

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-9LF		3/9/09	3.6	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-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
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	4.9	255.77	ND
MW-10S		3/10/08	4.1	256.57	ND
MW-10S		6/9/08	4.8	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-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	8.5	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-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

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		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
MW-10LF		3/9/09	6.2	254.38	Odor
MW-10LF		6/10/09	7.15	253.43	ND
MW-10LF		9/21/09	7.77	252.81	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	7.1	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	4.5	254.46	ND
MW-11S		9/8/08	5.8	253.16	ND
MW-11S		12/8/08	7.5	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-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

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	259.01	6/12/06	3.90	255.11	ND
MW-11LF		9/5/06	7.84	251.17	ND
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	7.7	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	8.3	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-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	4.9	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-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	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-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

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

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

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	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	-	-
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-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

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	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
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-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

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	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
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-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

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	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-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

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	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
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-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

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-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-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
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-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

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-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
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-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-6S	1/17/05		**2,800**	**1,600**	**6.1**	ND < 0.5	**3.6**	**2.3**	**160**	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	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
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-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

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	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
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-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	-	-

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	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
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		**2700**	**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-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

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	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
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-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

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	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
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-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		**4700**	**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	-	-

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	5/5/06		ND < 50	**5,400**	**12**	**17**	**190**	**150**	ND < 1.0	ND < 2.0	ND < 10
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-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

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	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
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-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-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

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	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
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-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-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
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

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-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-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-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
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

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	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-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-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
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

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	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
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-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-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	-	-
ESls			*100*	*100*	*1*	*40*	*30*	*20*	*5*	-	12

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)

Notes:
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
MTBE = methyl tertiary-butyl ether
TAME = tertiary amyl methyl ether
TBA = tertiary butyl alcohol
ug/l = micrograms per liter
ND = not detected above given laboratory reporting limit
D = duplicate sample
NS = well not sampled
Dash indicates not analyzed for given compound, or, no ESL available
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.

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-2S	9/22/09		2.42	-156	-	6.60	-	*(Tait)*
MW-2M	9/22/09		2.71	-182	-	6.63	-	*(Tait)*
MW-2D	9/22/09		2.97	-162	-	6.82	-	*(Tait)*
MW-3	9/22/09		2.40	-170	-	6.65	-	*(Tait)*
MW-4S	9/21/09		3.95	-71	-	7.14	-	*(Tait)*
MW-4D	9/21/09		3.19	-90	-	7.16	-	*(Tait)*
MW-5S	9/21/09		2.33	-134	-	6.90	-	*(Tait)*
MW-5D	9/21/09		2.90	-135	-	7.00	-	*(Tait)*
MW-6S	9/22/09		2.40	-182	-	6.81	-	*(Tait)*
MW-6D	9/22/09		2.07	-164	-	6.85	-	*(Tait)*
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-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-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

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-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-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-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-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-10S	9/23/09		2.94	-112	-	7.01	-	*(Tait)*
MW-10D	9/23/09		2.31	-220	-	6.70	-	*(Tait)*
MW-10LF	9/23/09		2.80	-198	-	6.76	-	*(Tait)*
MW-11S	9/22/09		2.10	-155	-	7.08	-	*(Tait)*
MW-11D	9/22/09		2.64	-214	-	6.83	-	*(Tait)*
MW-11LF	9/22/09		2.37	-162	-	7.11	-	*(Tait)*
MW-12S	9/22/09		3.92	-19	-	7.00	-	*(Tait)*
MW-12D	9/22/09		3.62	70	-	6.75	-	*(Tait)*

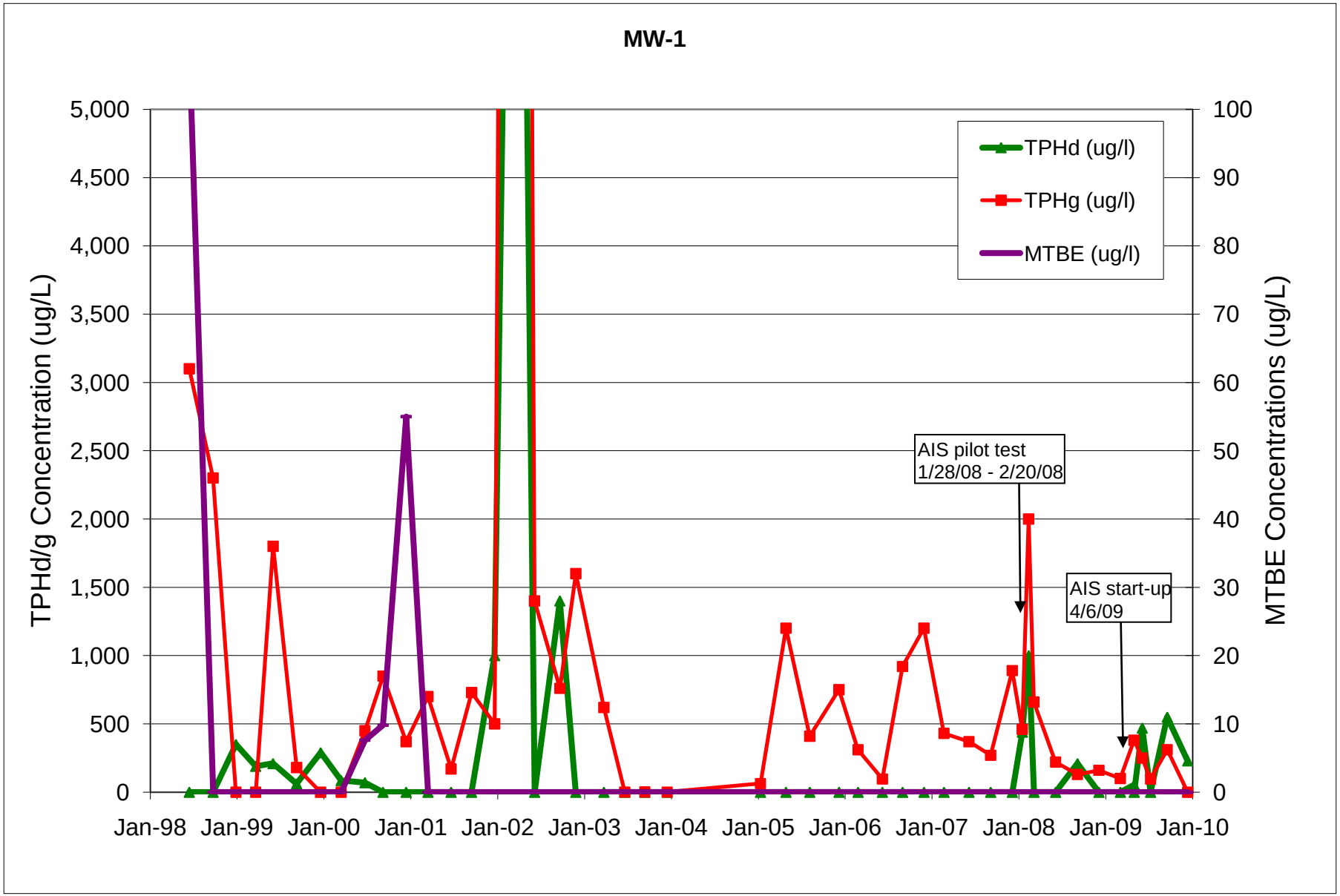
Table A-3
Groundwater Monitoring Inorganic Results - During AIS Operation
Lehigh Hanson Sunol Facility Asphalt Plant
7999 Athenour Way, Sunol, California

Well	Sample Date	Notes	DO (mg/l)	ORP (mV)	Ferrous Iron $Fe2^+$ (mg/l)	pH (SU)	Conductivity (µS/cm)	Field Parameters Measured by:
MW-12LF	9/22/09		7.31	14	-	6.70	-	*(Tait)*
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-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-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

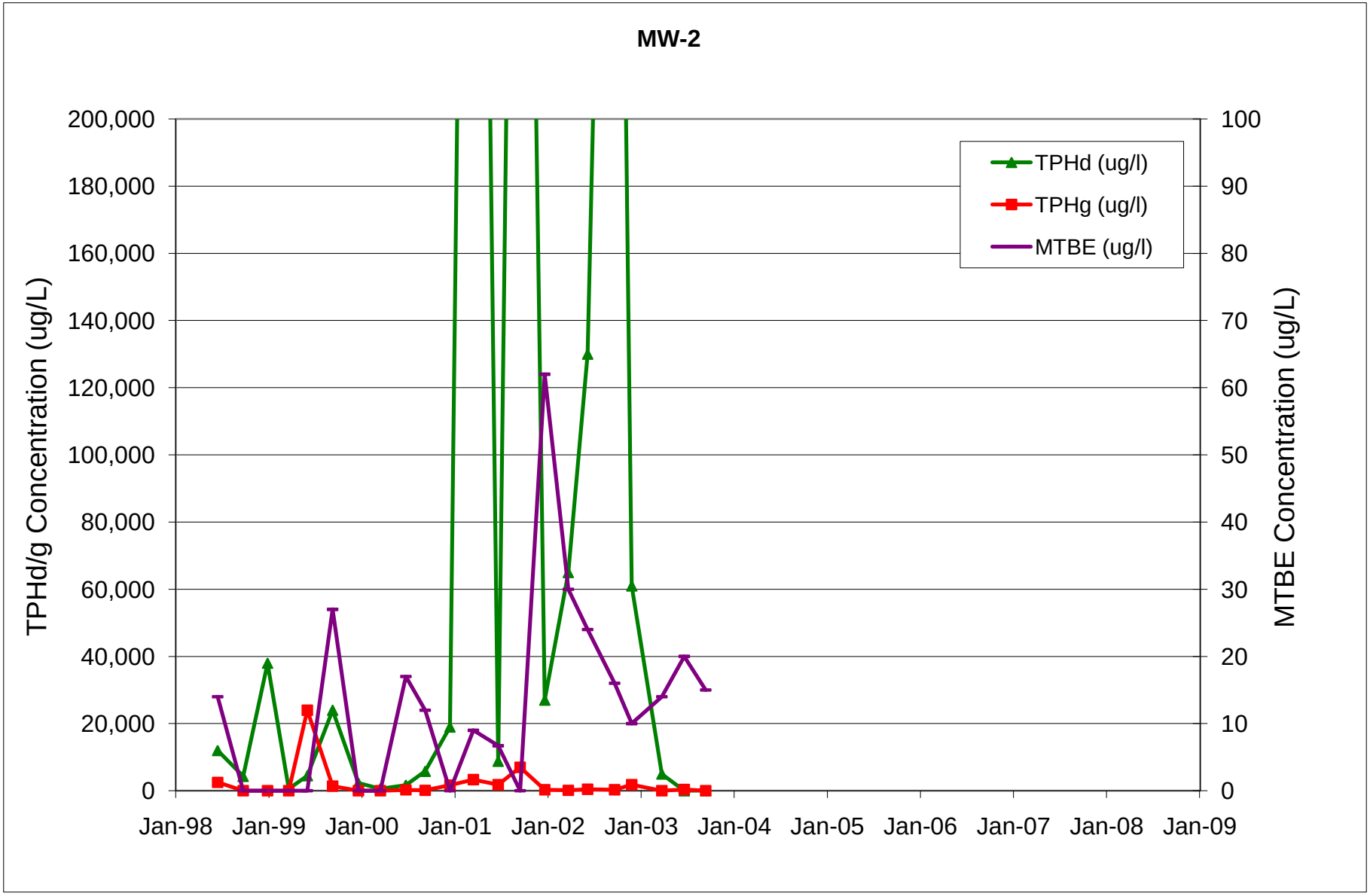
Notes:
AIS = Air Injection System
DO = Dissolved Oxygen
ORP = Oxidation-Reduction Potential
AUS = ARCADIS U.S., Inc.
LFR = LFR Inc.
Tait = Tait Environmental Management, Inc.
mg/l = Milligrams per liter
mV = MilliVolts
SU = Standard units
PT = Pilot Test; sample collected during the air injection pilot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

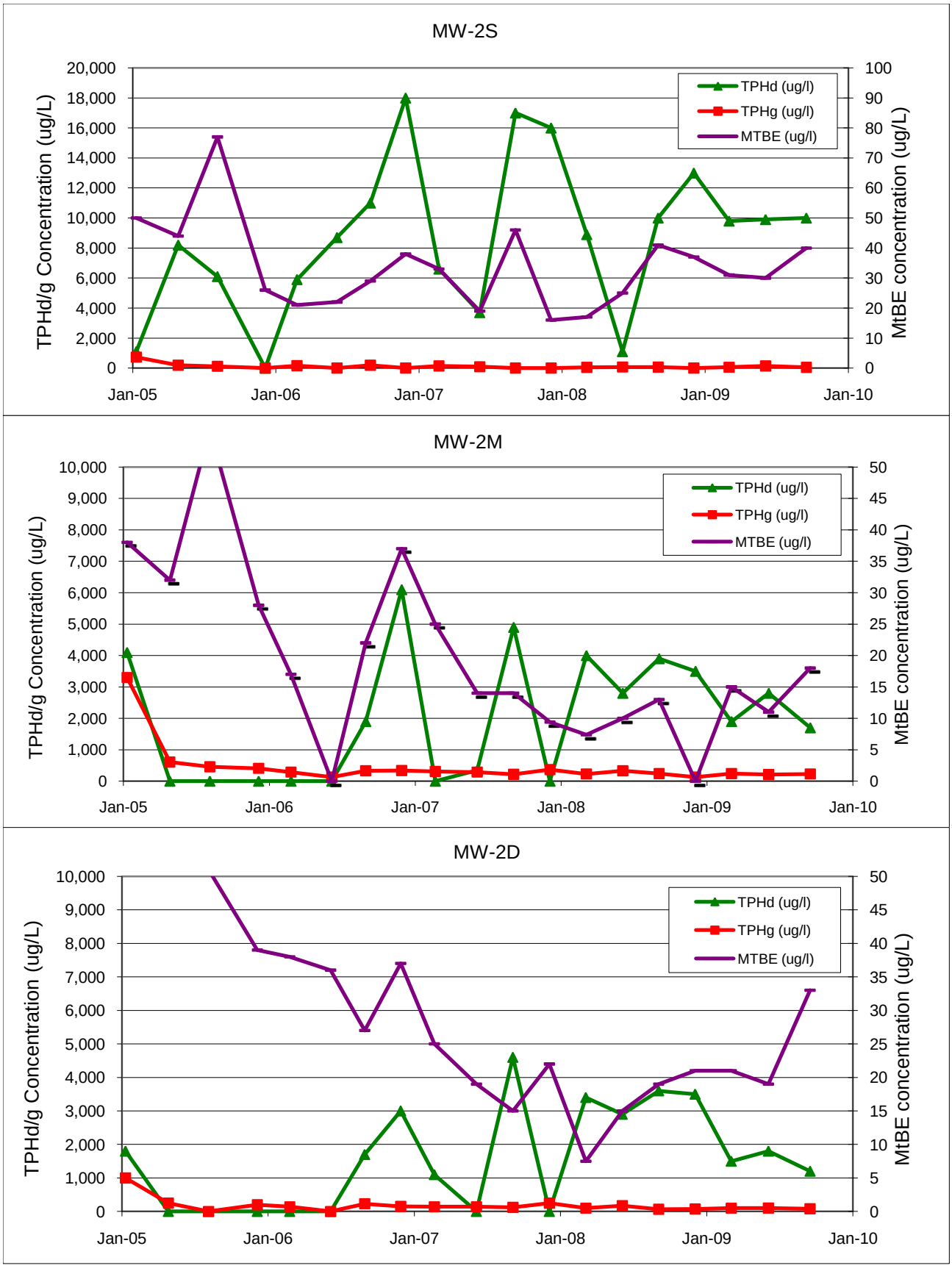
APPENDIX B

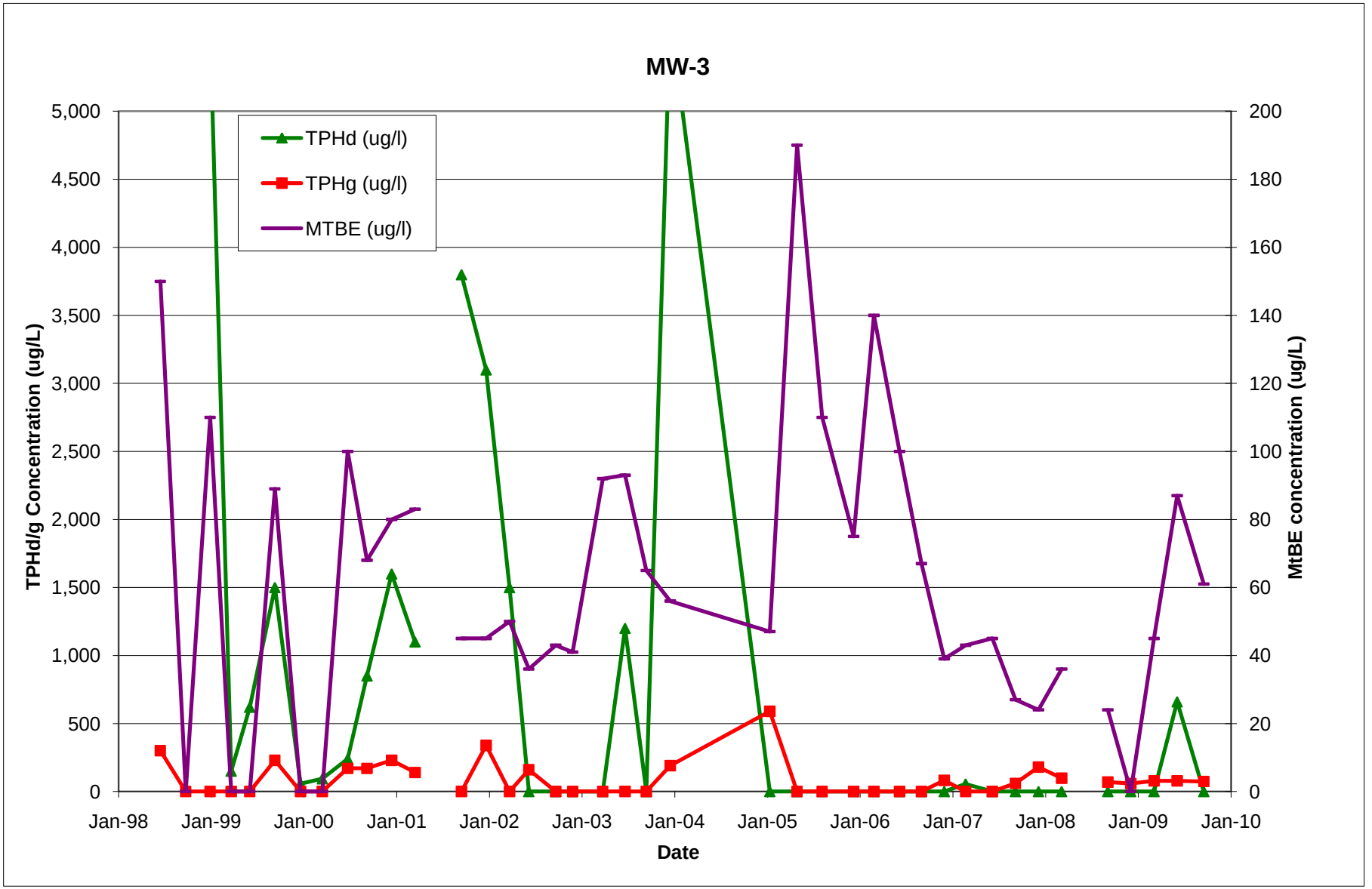
Historical Concentration Trend Graphs



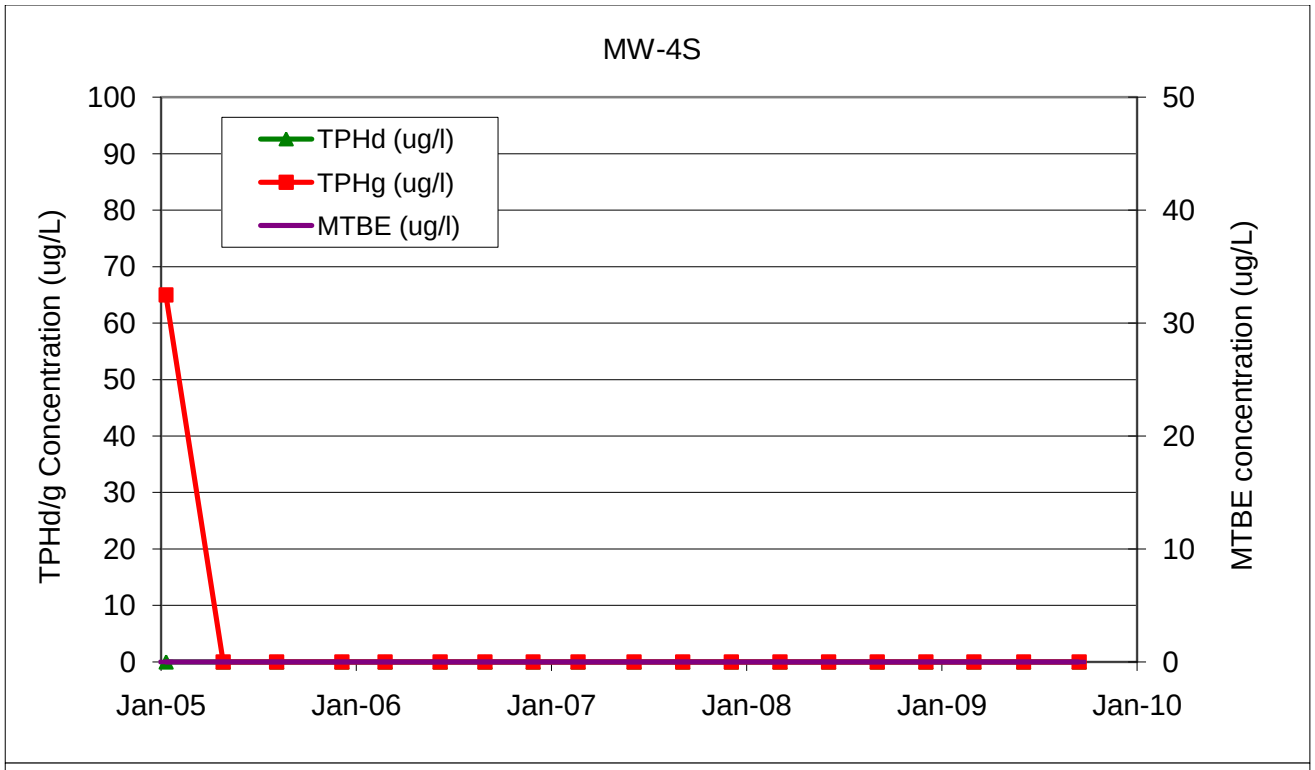
ARCADIS 2/9/2010

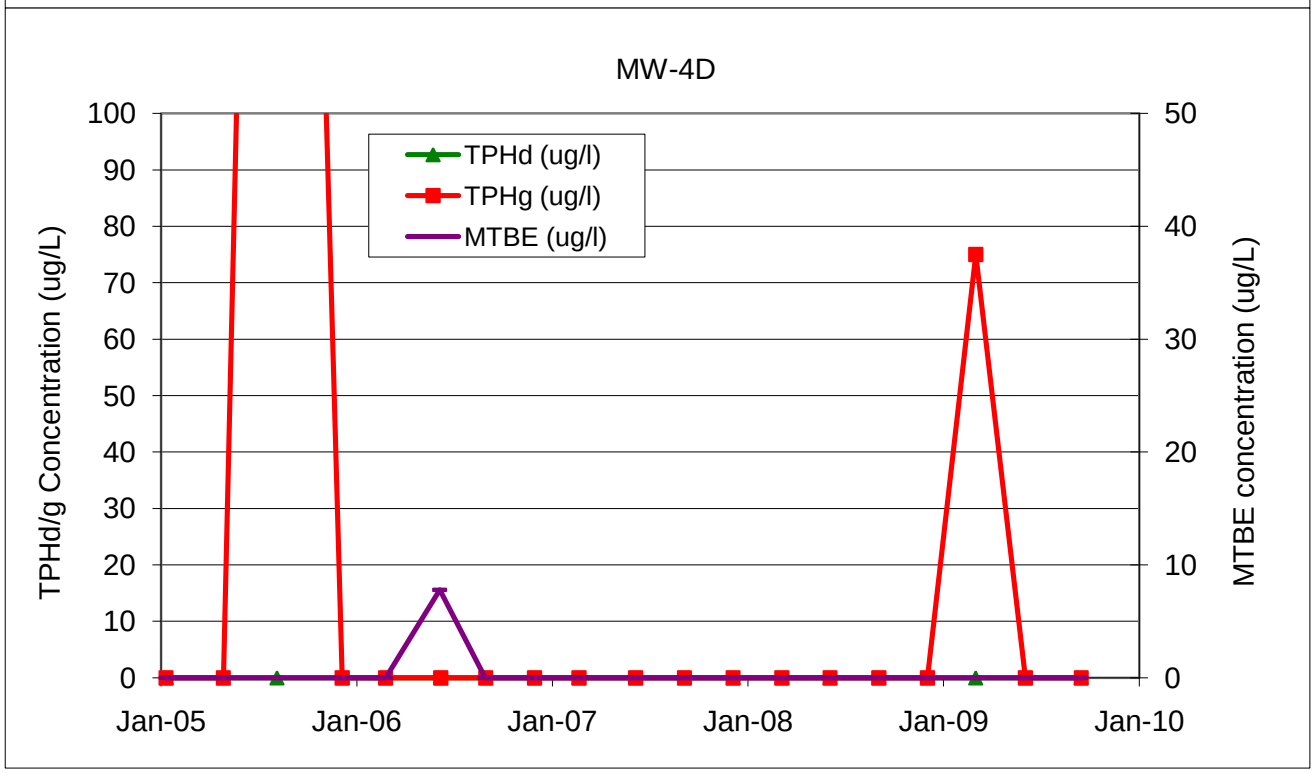

MW-2
TPHd/g Concentration (ug/L)
MTBE Concentration (ug/L)
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
100
90
80
70
60
50
40
30
20
10
0
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)

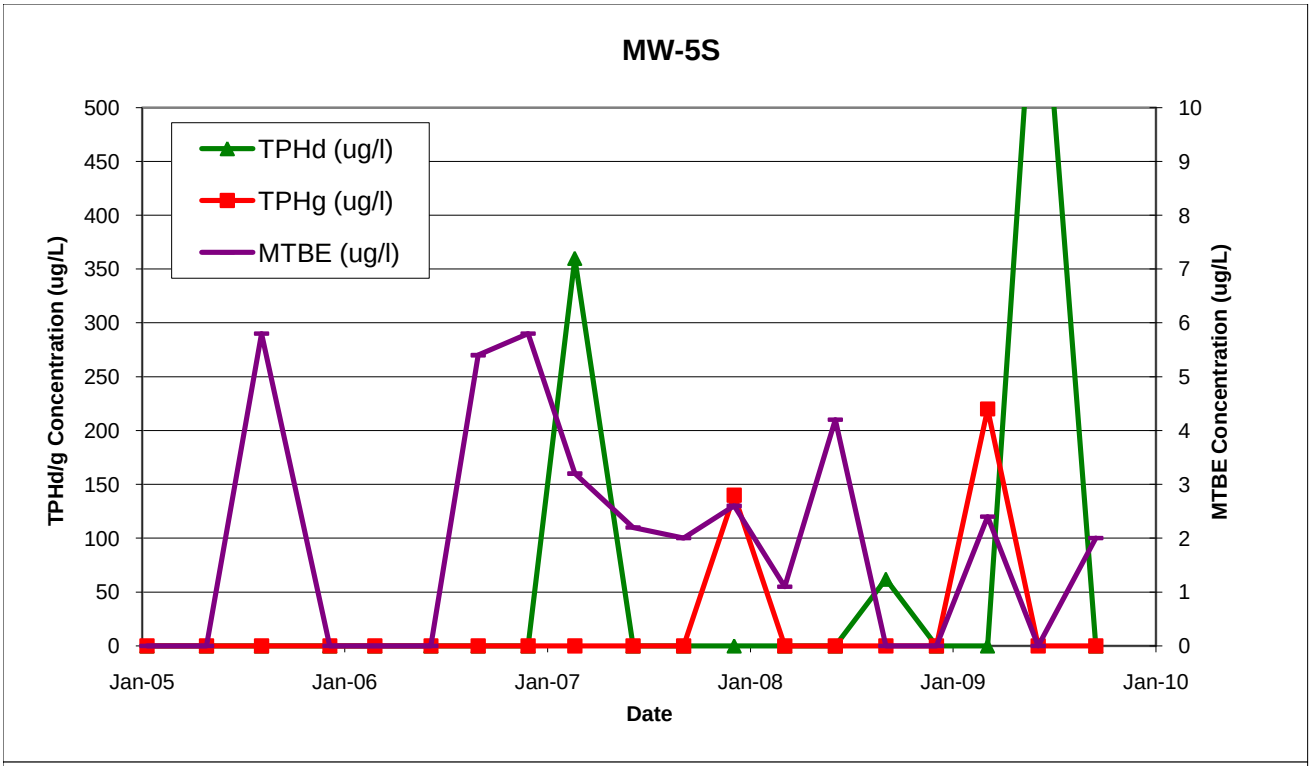

MW-2S
TPHd/g Concentration (ug/L)
MtBE concentration (ug/L)
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
100
90
80
70
60
50
40
30
20
10
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
MW-2M
TPHd/g Concentration (ug/L)
MtBE concentration (ug/L)
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
50
45
40
35
30
25
20
15
10
5
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
MW-2D
TPHd/g Concentration (ug/L)
MtBE concentration (ug/L)
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
50
45
40
35
30
25
20
15
10
5
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10

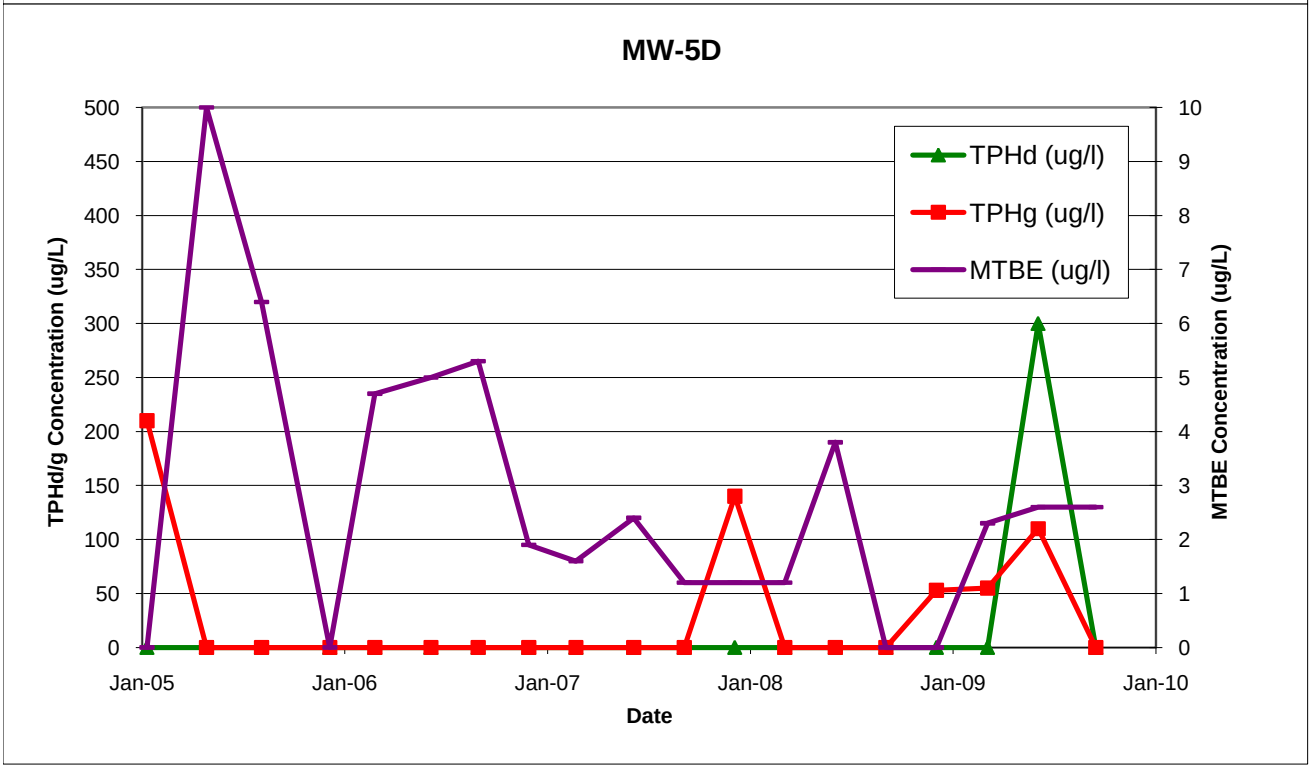


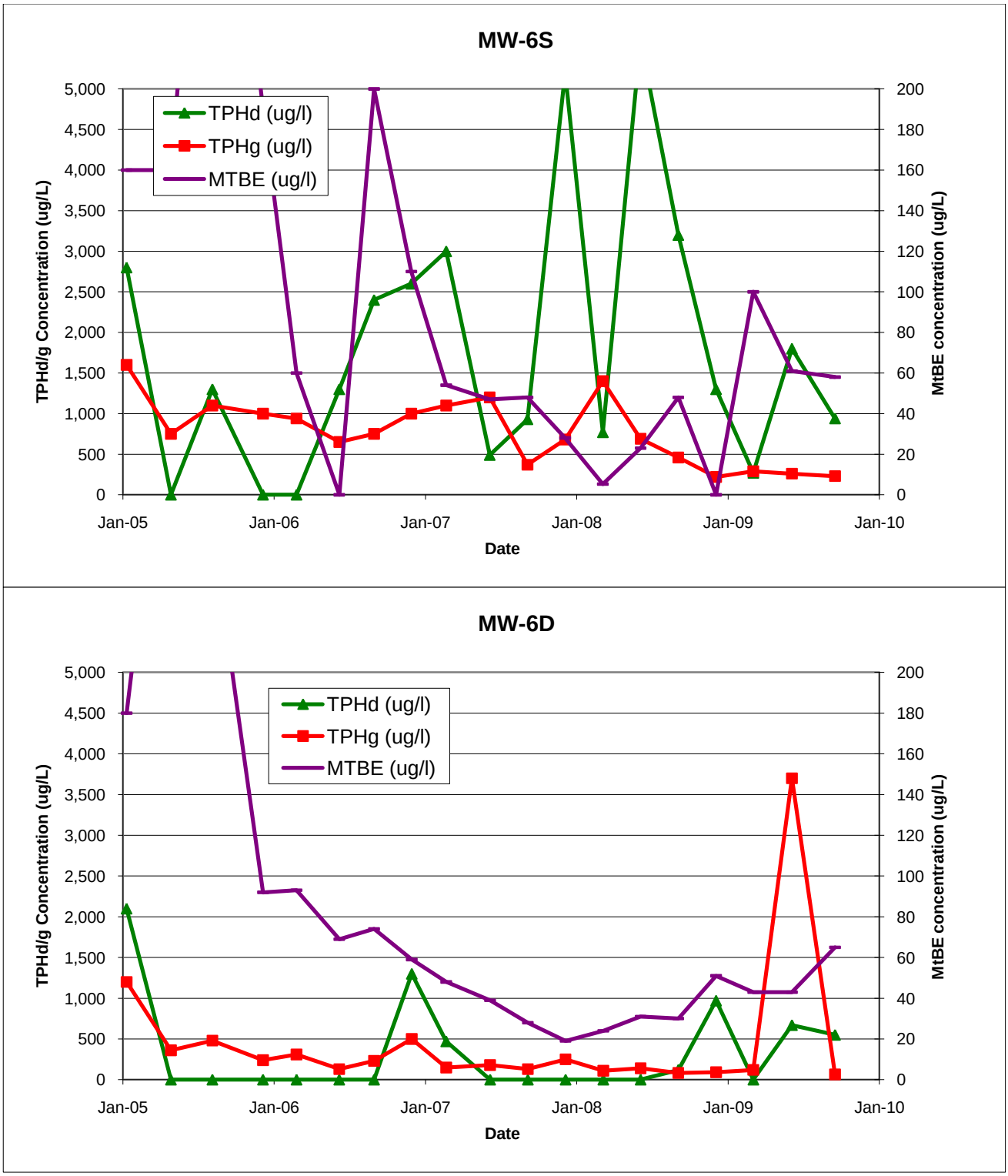
ARCADIS 2/9/2010

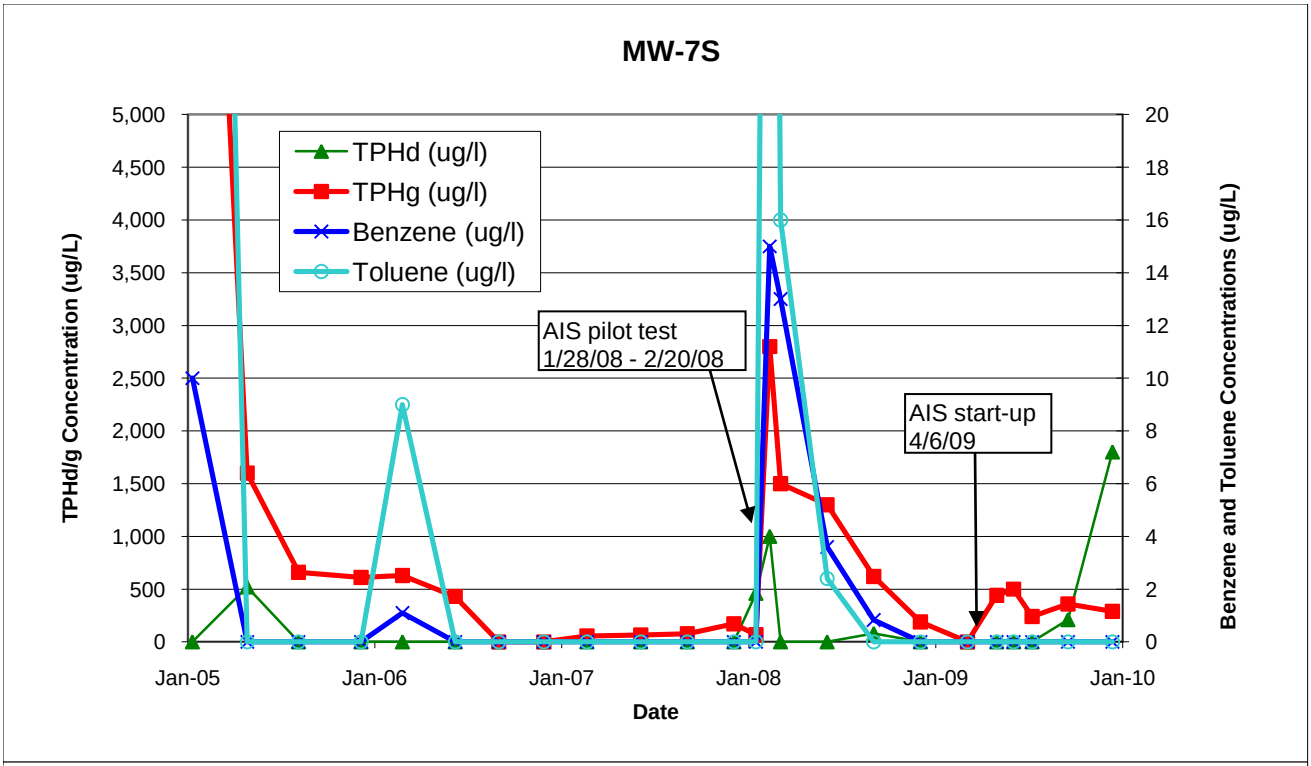

MW-4S
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
TPHd/g Concentration (ug/L)
MTBE concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
50
40
30
20
10
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10

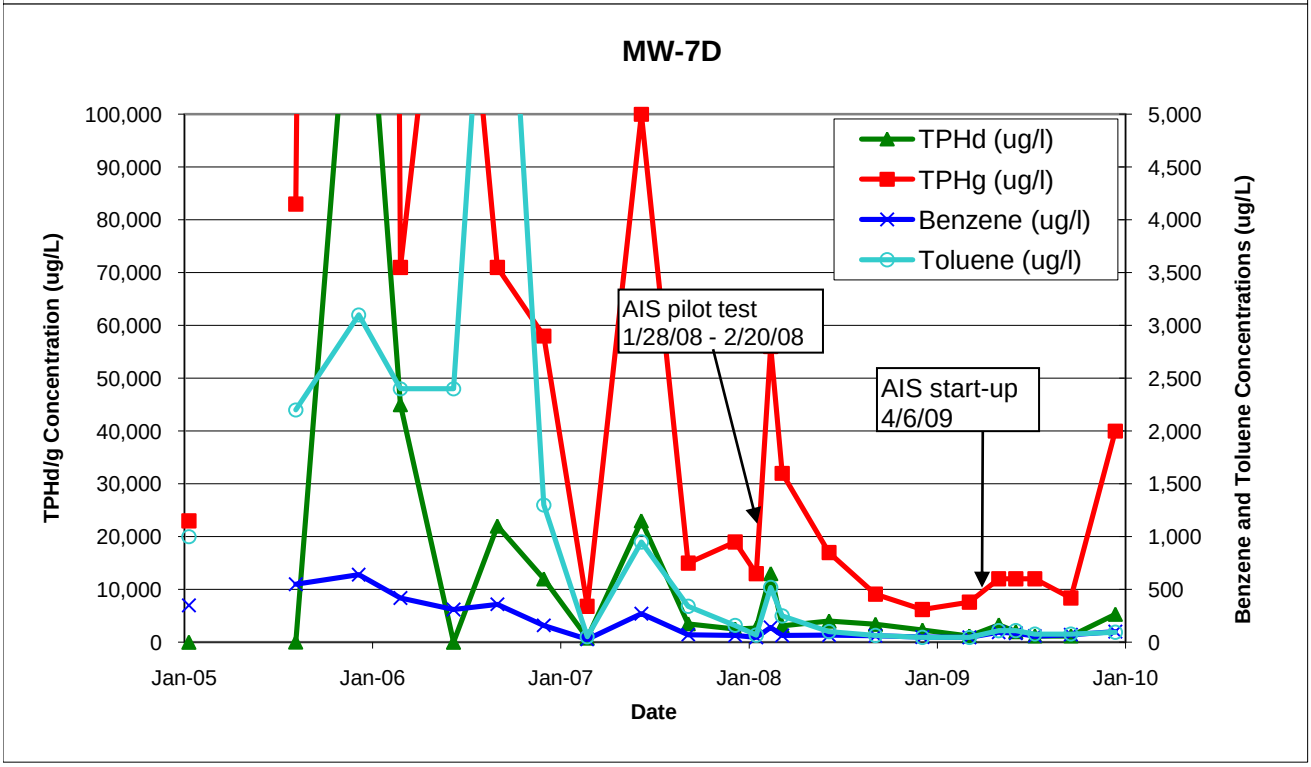

MW-4D
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
TPHd/g Concentration (ug/L)
MTBE concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
50
40
30
20
10
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10

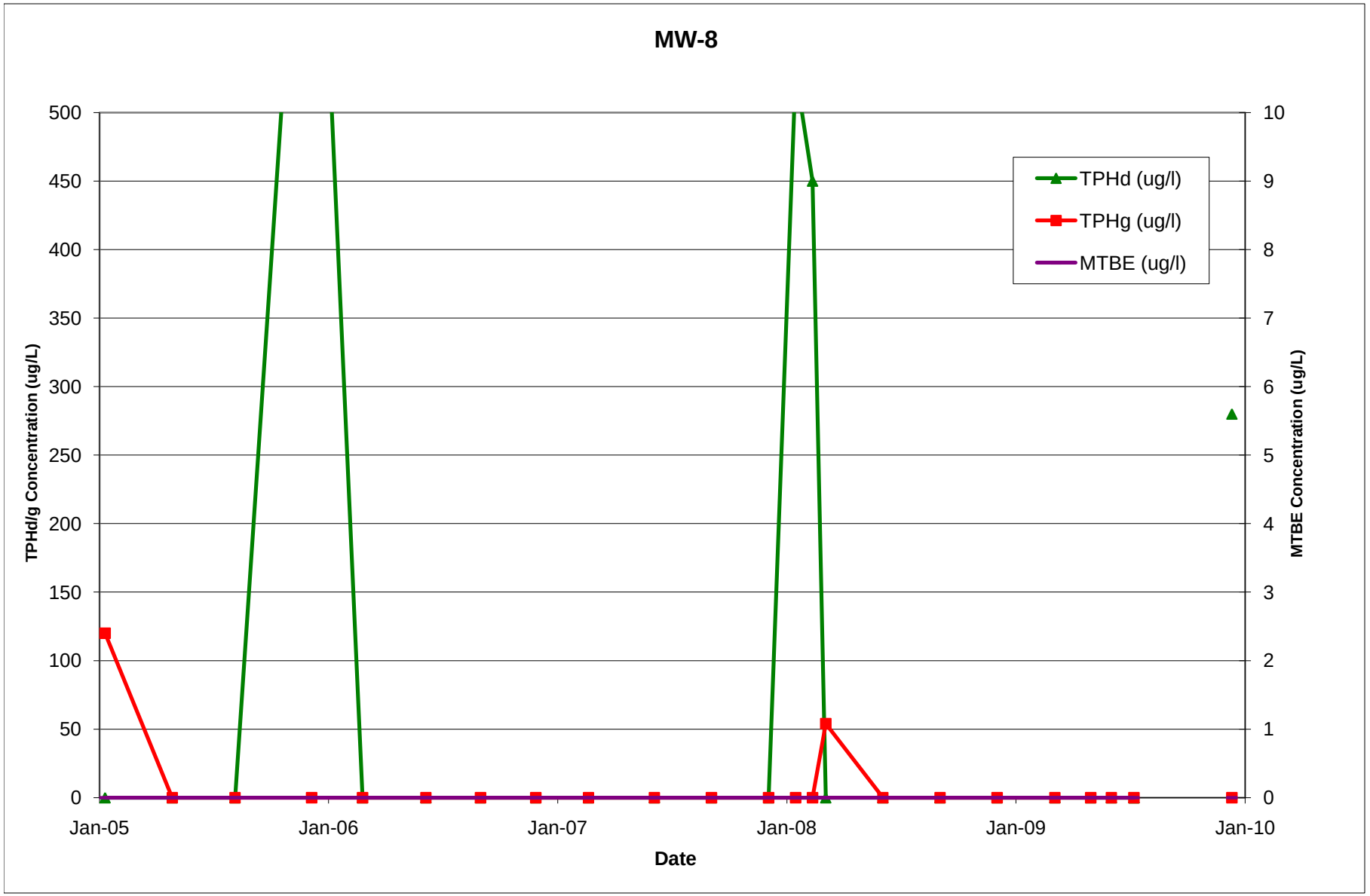

MW-5S
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
TPHd/g Concentration (ug/L)
MTBE Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
10
9
8
7
6
5
4
3
2
1
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Date


MW-5D
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
TPHd/g Concentration (ug/L)
MTBE Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
10
9
8
7
6
5
4
3
2
1
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Date

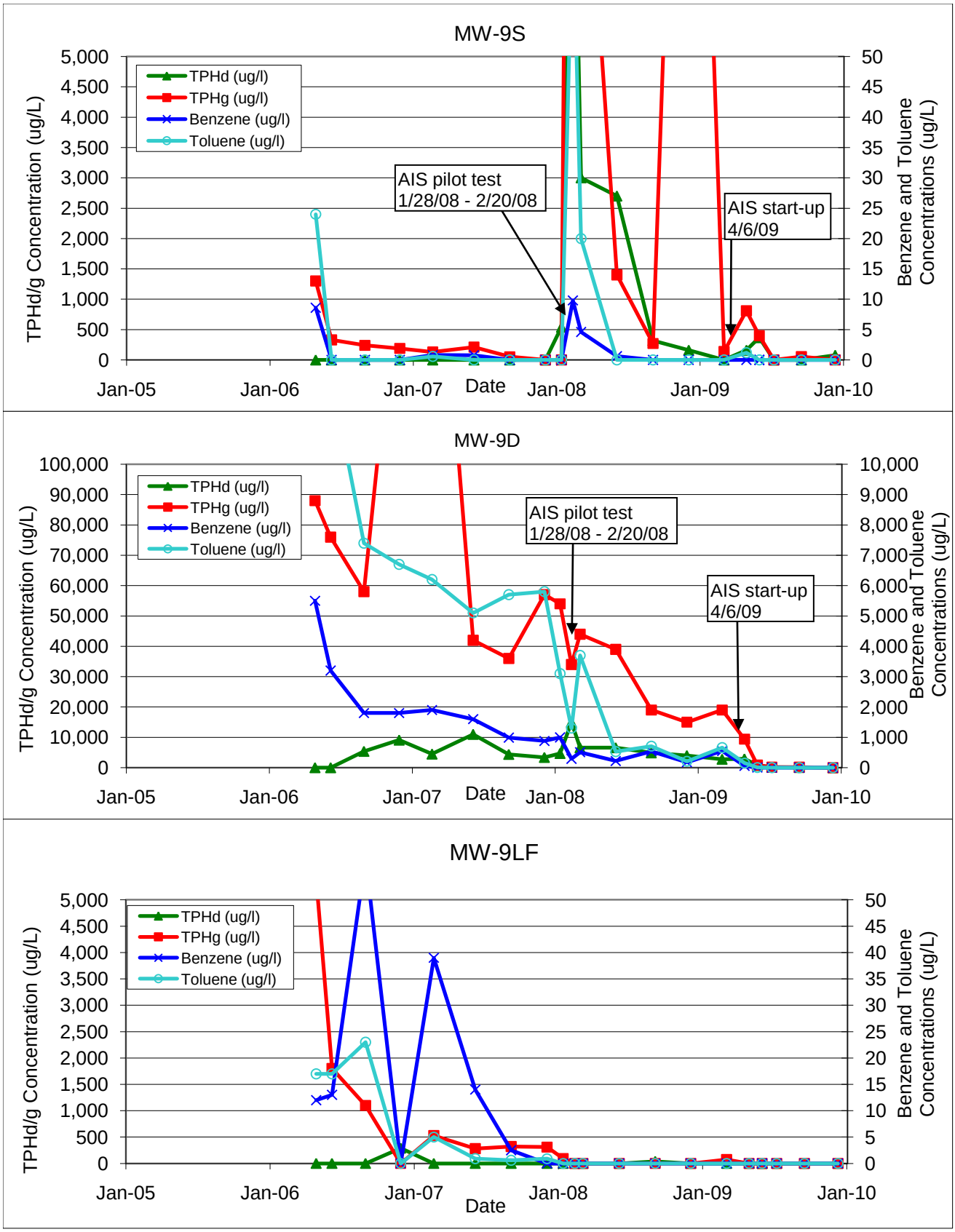

MW-6S
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
TPHd/g Concentration (ug/L)
MtBE concentration (ug/L)
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
200
180
160
140
120
100
80
60
40
20
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Date
MW-6D
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
TPHd/g Concentration (ug/L)
MtBE concentration (ug/L)
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
200
180
160
140
120
100
80
60
40
20
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Date


MW-7S
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
AIS pilot test
1/28/08 - 2/20/08
AIS start-up
4/6/09
TPHd/g Concentration (ug/L)
Benzene and Toluene Concentrations (ug/L)
Date
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
20
18
16
14
12
10
8
6
4
2
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10

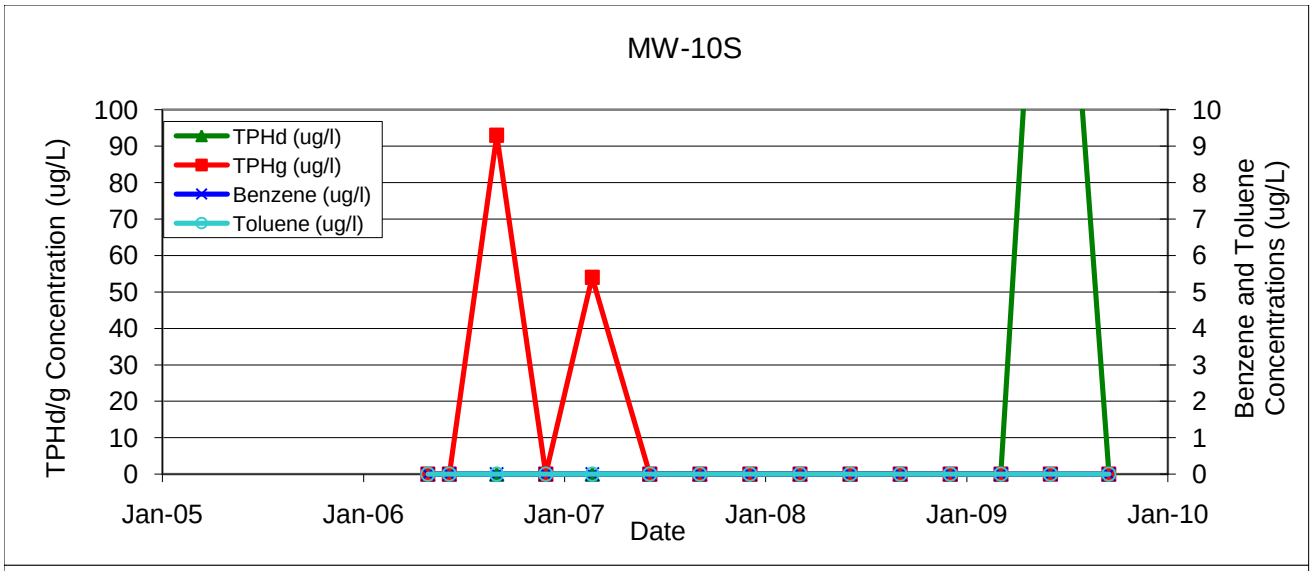

MW-7D
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
AIS pilot test
1/28/08 - 2/20/08
AIS start-up
4/6/09
TPHd/g Concentration (ug/L)
Benzene and Toluene Concentrations (ug/L)
Date
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10

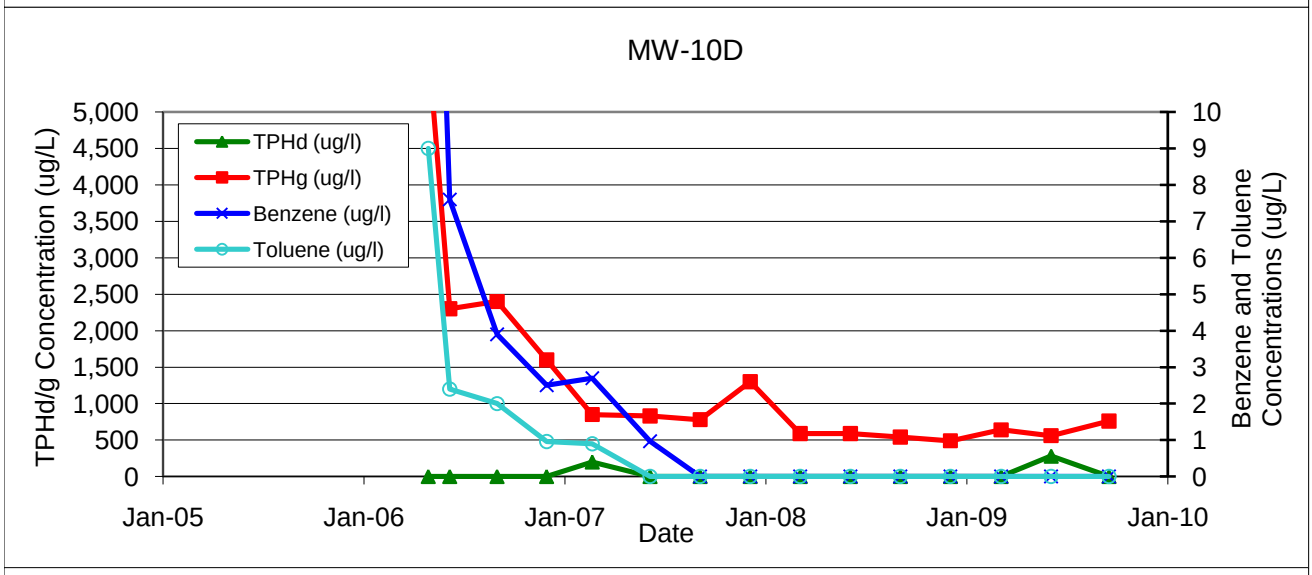


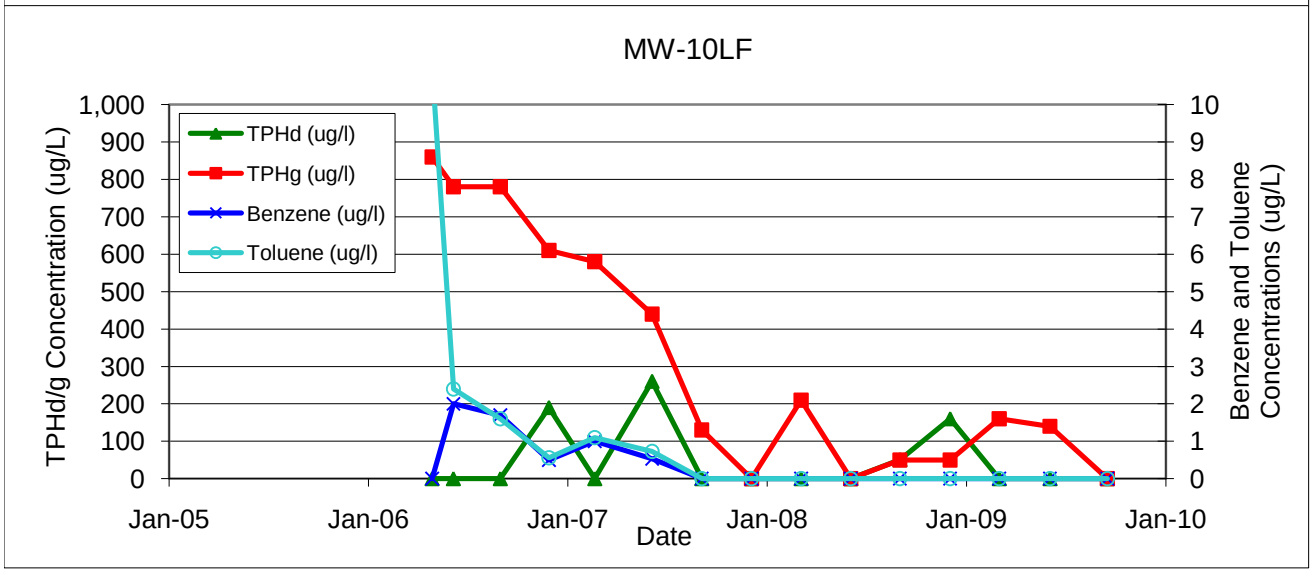
ARCADIS 2/9/2010

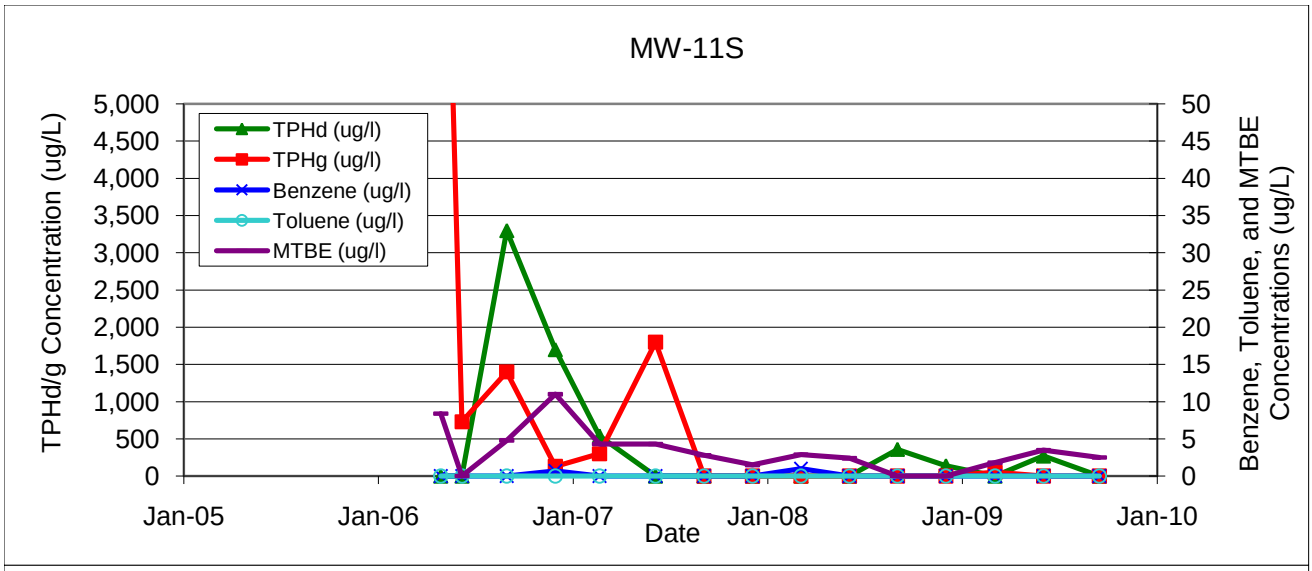


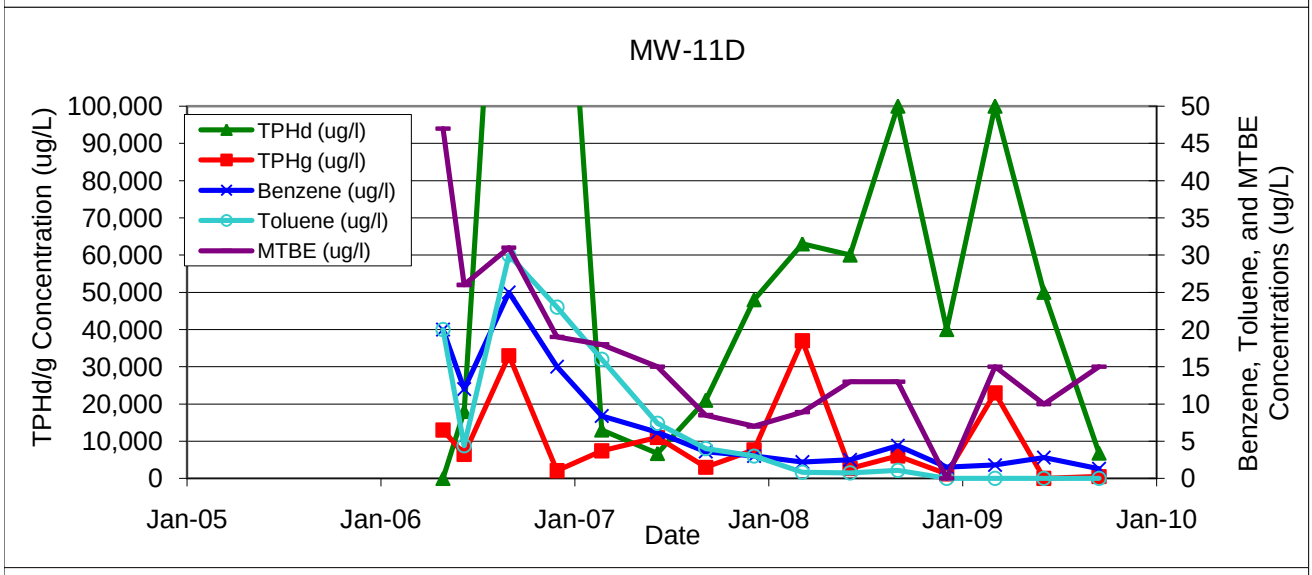
ARCADIS 2/9/2010

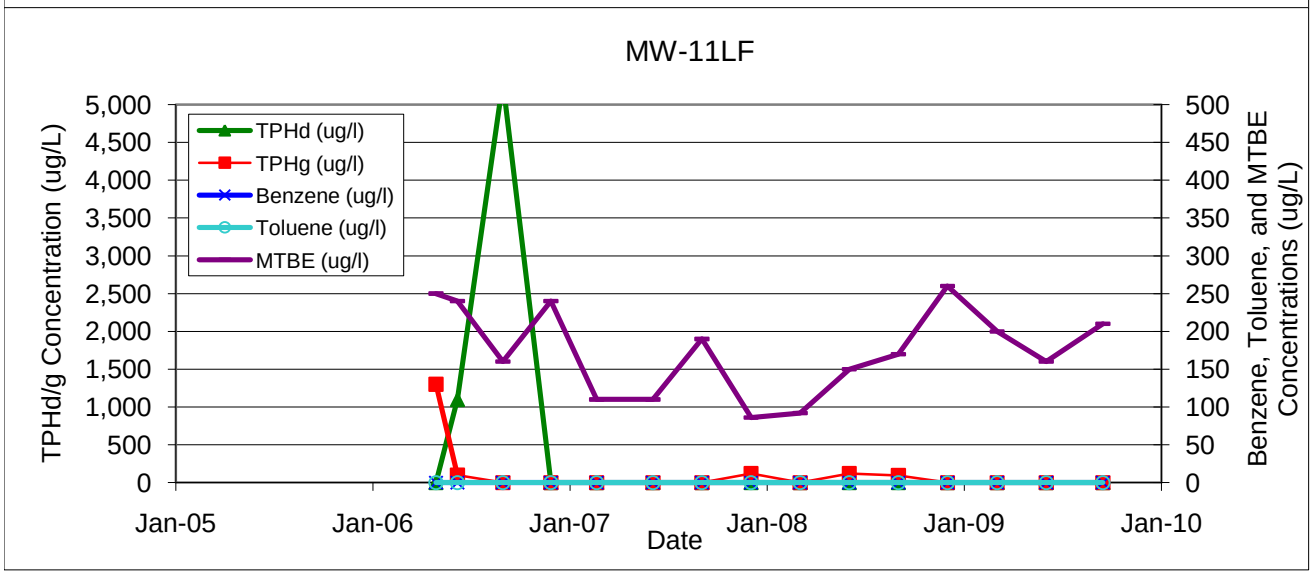

MW-10S
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
TPHd/g Concentration (ug/L)
Benzene and Toluene Concentrations (ug/L)
Date
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10

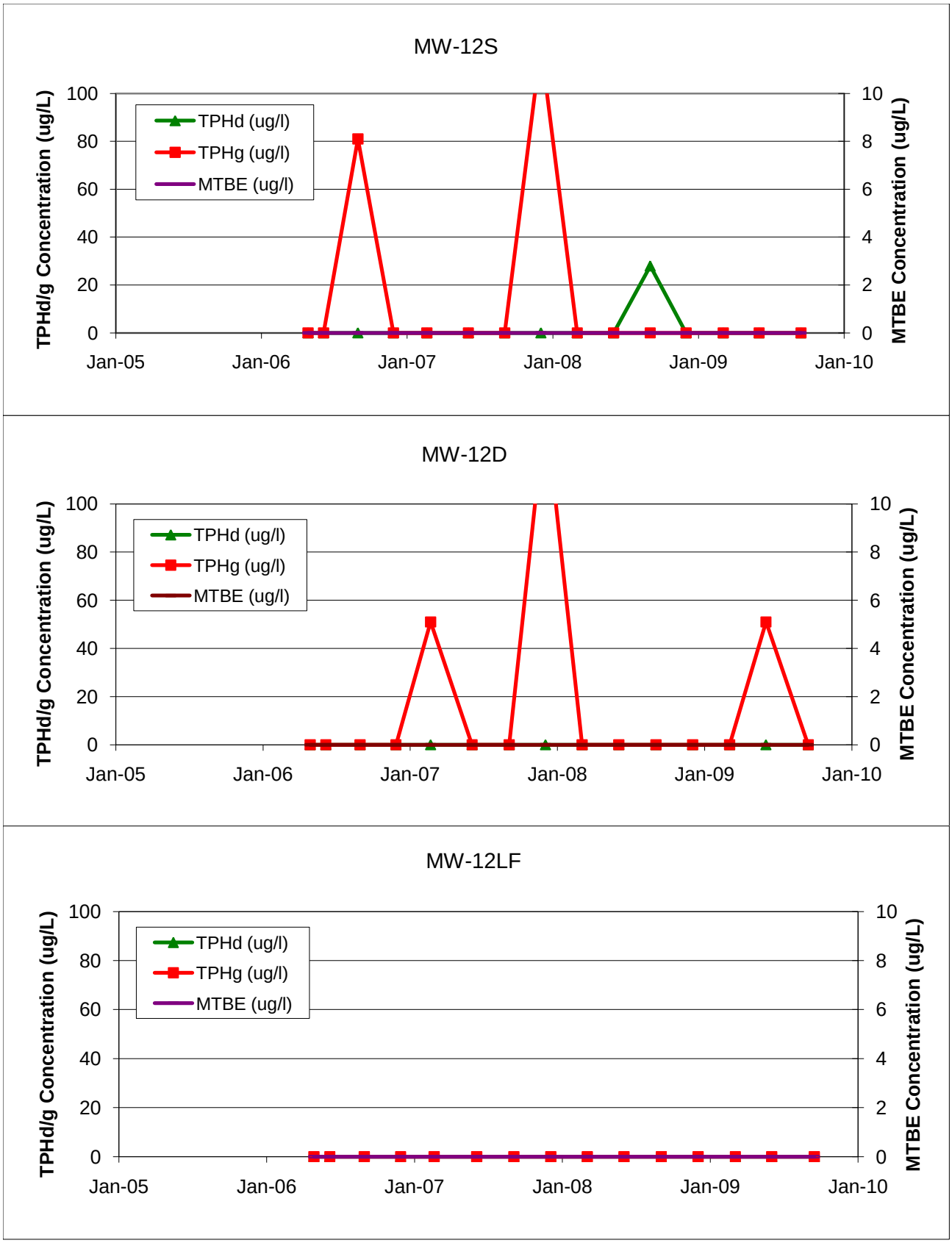

MW-10D
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
TPHd/g Concentration (ug/L)
Benzene and Toluene Concentrations (ug/L)
Date
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10


MW-10LF
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
TPHd/g Concentration (ug/L)
Benzene and Toluene Concentrations (ug/L)
Date
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10


MW-11S
TPHd/g Concentration (ug/L)
Benzene, Toluene, and MTBE Concentrations (ug/L)
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
MTBE (ug/l)
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
50
45
40
35
30
25
20
15
10
5
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Date


MW-11D
TPHd/g Concentration (ug/L)
Benzene, Toluene, and MTBE Concentrations (ug/L)
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
MTBE (ug/l)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
50
45
40
35
30
25
20
15
10
5
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Date


MW-11LF
TPHd/g Concentration (ug/L)
Benzene, Toluene, and MTBE Concentrations (ug/L)
TPHd (ug/l)
TPHg (ug/l)
Benzene (ug/l)
Toluene (ug/l)
MTBE (ug/l)
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
500
450
400
350
300
250
200
150
100
50
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Date


MW-12S
TPHd/g Concentration (ug/L)
MTBE Concentration (ug/L)
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
100
80
60
40
20
0
10
8
6
4
2
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
MW-12D
TPHd/g Concentration (ug/L)
MTBE Concentration (ug/L)
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
100
80
60
40
20
0
10
8
6
4
2
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
MW-12LF
TPHd/g Concentration (ug/L)
MTBE Concentration (ug/L)
TPHd (ug/l)
TPHg (ug/l)
MTBE (ug/l)
100
80
60
40
20
0
10
8
6
4
2
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10

APPENDIX C

Certified Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-24828-1

Job Description: Hanson Sunol

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

Attention: Ms. Katrin Schliewen

Approved for release.
Afsaneh Salimpour
Project Manager I
1/6/2010 5:42 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
01/06/2010

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.

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
Method(s) 8260B: LCS\LCSD RPD for MTBE is above 20%. MS\MSD recovery and RPD is within acceptable range.

Method(s) 8260B: Due to the failure of one of our storage refrigerators, the result for sample mw-7d and mw-7s are estimated because the samples were not stored continuously below 6 degree centigrade.

Method(s) 8260B: The result for Ethyl benzene fot TB-121709 is due to a carry over from previous sample. There was no additional vial available to re run the sample.

No other 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: LFR, Inc. Job Number: 720-24828-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-24828-1	**MW-1**				
Diesel Range Organics [C10-C28]		230	56	ug/L	8015B
720-24828-2	**MW-8**				
Diesel Range Organics [C10-C28]		280	54	ug/L	8015B
720-24828-6	**OXY-1S**				
Diesel Range Organics [C10-C28]		71	56	ug/L	8015B
720-24828-7	**MW-9D**				
Ethylbenzene		1.6	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		2.0	1.0	ug/L	8260B/CA_LUFTMS
720-24828-8	**MW-9S**				
Diesel Range Organics [C10-C28]		77	51	ug/L	8015B
720-24828-10	**MW-7D**				
Benzene		100	12	ug/L	8260B/CA_LUFTMS
Ethylbenzene		1100	25	ug/L	8260B/CA_LUFTMS
Toluene		94	12	ug/L	8260B/CA_LUFTMS
Xylenes, Total		800	25	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		40000	1200	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		5300	52	ug/L	8015B
720-24828-11	**MW-7S**				
Ethylbenzene		1.5	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		290	50	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		1800	52	ug/L	8015B
720-24828-12TB	**TB-121709**				
Ethylbenzene		0.53	0.50	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: LFR, Inc. Job Number: 720-24828-1

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

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: LFR, Inc. Job Number: 720-24828-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Ali, Badri	BA
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: LFR, Inc. Job Number: 720-24828-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-24828-1	MW-1	Water	12/17/2009 1238	12/18/2009 1600
720-24828-2	MW-8	Water	12/17/2009 1325	12/18/2009 1600
720-24828-3	OXY-1LF	Water	12/17/2009 1443	12/18/2009 1600
720-24828-4	OXY-1LF-D	Water	12/17/2009 1449	12/18/2009 1600
720-24828-5	MW-9LF	Water	12/17/2009 1553	12/18/2009 1600
720-24828-6	OXY-1S	Water	12/17/2009 1630	12/18/2009 1600
720-24828-7	MW-9D	Water	12/18/2009 0918	12/18/2009 1600
720-24828-8	MW-9S	Water	12/18/2009 1006	12/18/2009 1600
720-24828-9	OXY-1D	Water	12/18/2009 1125	12/18/2009 1600
720-24828-10	MW-7D	Water	12/18/2009 1252	12/18/2009 1600
720-24828-11	MW-7S	Water	12/18/2009 1400	12/18/2009 1600
720-24828-12TB	TB-121709	Water	12/17/2009 0000	12/18/2009 1600

Client: LFR, Inc. Job Number: 720-24828-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-24828-1 Date Sampled: 12/17/2009 1238
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	SA-WA-24828-A-1
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1551			Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1551				

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	107		67 - 130
1,2-Dichloroethane-d4 (Surr)	106		67 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-24828-2 Date Sampled: 12/17/2009 1325
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	SA-WA-24828-A-2
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1618			Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1618				

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)	114		67 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-3 Date Sampled: 12/17/2009 1443
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	SA-WA-24828-A-3
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1646		Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1646			

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	112		67 - 130
1,2-Dichloroethane-d4 (Surr)	111		67 - 130
Toluene-d8 (Surr)	106		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-4 Date Sampled: 12/17/2009 1449
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	SA-WA-24828-A-4
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1836		Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1836			

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)	113		67 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-5 Date Sampled: 12/17/2009 1553
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	SA-WA-24828-A-5
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1903		Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1903			

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	108		67 - 130
1,2-Dichloroethane-d4 (Surr)	109		67 - 130
Toluene-d8 (Surr)	105		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-6 Date Sampled: 12/17/2009 1630
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	SA-WA-24828-A-6
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1931		Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1931			

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	105		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-7 Date Sampled: 12/18/2009 0918
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405		Instrument ID:	SAT 3900C
Preparation:	5030B			Lab File ID:	SA-WA-24828-A-7
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1959			Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1959				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND	*	0.50
Benzene	ND		0.50
Ethylbenzene	1.6		0.50
Toluene	ND		0.50
Xylenes, Total	2.0		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 130
1,2-Dichloroethane-d4 (Surr)	106		67 - 130
Toluene-d8 (Surr)	106		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-8 Date Sampled: 12/18/2009 1006
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	SA-WA-24828-A-8
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 2026		Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 2026			

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)	112		67 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-9 Date Sampled: 12/18/2009 1125
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	SA-WA-24828-A-9
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 2054		Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 2054			

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	106		67 - 130
1,2-Dichloroethane-d4 (Surr)	111		67 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-10 Date Sampled: 12/18/2009 1252
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63532		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	SA-WA-24828-B-10
Dilution:	25			Initial Weight/Volume:	10 mL
Date Analyzed:	12/28/2009 2225			Final Weight/Volume:	10 mL
Date Prepared:	12/28/2009 2225				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		12
Benzene	100		12
Toluene	94		12
Xylenes, Total	800		25
Gasoline Range Organics (GRO)-C5-C12	40000		1200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	106		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-10 Date Sampled: 12/18/2009 1252
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63576	Instrument ID:	SAT 3900A
Preparation:	5030B		Lab File ID:	SA-WA-24828-C-10
Dilution:	50		Initial Weight/Volume:	10 mL
Date Analyzed:	12/29/2009 2053		Final Weight/Volume:	10 mL
Date Prepared:	12/29/2009 2053			

Analyte	Result (ug/L)	Qualifier	RL
Ethylbenzene	1100		25

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	106		67 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-11 Date Sampled: 12/18/2009 1400
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63576		Instrument ID:	SAT 3900A
Preparation:	5030B			Lab File ID:	SA-WA-24828-C-11
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	12/29/2009 1937			Final Weight/Volume:	10 mL
Date Prepared:	12/29/2009 1937				

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	1.5		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	290		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	110		67 - 130
1,2-Dichloroethane-d4 (Surr)	100		67 - 130
Toluene-d8 (Surr)	108		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

Client Sample ID: **TB-121709**

Lab Sample ID: 720-24828-12TB Date Sampled: 12/17/2009 0000
Client Matrix: Water Date Received: 12/18/2009 1600

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-63405	Instrument ID:	SAT 3900C
Preparation:	5030B		Lab File ID:	SA-WA-24828-A-12
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 2216		Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 2216			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND	*	0.50
Benzene	ND		0.50
Ethylbenzene	0.53		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)	111		67 - 130
Toluene-d8 (Surr)	105		70 - 130

Client: LFR, Inc. Job Number: 720-24828-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-24828-1 Date Sampled: 12/17/2009 1238
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	890 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1739			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	230		56

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	90		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-24828-2 Date Sampled: 12/17/2009 1325
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	910 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1803			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	280		54

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	102		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-3 Date Sampled: 12/17/2009 1443
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	910 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1828			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		54

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	93		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-4 Date Sampled: 12/17/2009 1449
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	940 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1853			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	83		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-5 Date Sampled: 12/17/2009 1553
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1602			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	87		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-6 Date Sampled: 12/17/2009 1630
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	890 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1627			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	71		56

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	94		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-7 Date Sampled: 12/18/2009 0918
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1917			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	89		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-8 Date Sampled: 12/18/2009 1006
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	970 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 1942			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	77		51

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	96		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-9 Date Sampled: 12/18/2009 1125
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 2007			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	83		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-10 Date Sampled: 12/18/2009 1252
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 2032			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	5300		52

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	85		23 - 156

Client: LFR, Inc. Job Number: 720-24828-1

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

Lab Sample ID: 720-24828-11 Date Sampled: 12/18/2009 1400
Client Matrix: Water Date Received: 12/18/2009 1600

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-63385		Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-63345		Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	12/23/2009 2057			Injection Volume:	1 uL
Date Prepared:	12/22/2009 1356			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1800		52

Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	102		23 - 156

DATA REPORTING QUALIFIERS

Client: LFR, Inc. Job Number: 720-24828-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	RPD of the LCS and LCSD exceeds the control limits

Client: LFR, Inc. Job Number: 720-24828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-63405					
LCS 720-63405/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-63405/9	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-63405/10	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-63405/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-63405/5	Method Blank	T	Water	8260B/CA_LUFT	
720-24828-1	MW-1	T	Water	8260B/CA_LUFT	
720-24828-2	MW-8	T	Water	8260B/CA_LUFT	
720-24828-3	OXY-1LF	T	Water	8260B/CA_LUFT	
720-24828-4	OXY-1LF-D	T	Water	8260B/CA_LUFT	
720-24828-5	MW-9LF	T	Water	8260B/CA_LUFT	
720-24828-6	OXY-1S	T	Water	8260B/CA_LUFT	
720-24828-7	MW-9D	T	Water	8260B/CA_LUFT	
720-24828-8	MW-9S	T	Water	8260B/CA_LUFT	
720-24828-9	OXY-1D	T	Water	8260B/CA_LUFT	
720-24828-12TB	TB-121709	T	Water	8260B/CA_LUFT	
Analysis Batch:720-63532					
LCS 720-63532/35	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-63532/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-63532/27	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-63532/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-63532/7	Method Blank	T	Water	8260B/CA_LUFT	
720-24828-10	MW-7D	T	Water	8260B/CA_LUFT	
720-24828-B-11 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-24828-B-11 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
Analysis Batch:720-63576					
LCS 720-63576/2	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-63576/28	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-63576/3	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-63576/32	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-63576/29	Method Blank	T	Water	8260B/CA_LUFT	
720-24828-10	MW-7D	T	Water	8260B/CA_LUFT	
720-24828-11	MW-7S	T	Water	8260B/CA_LUFT	

Report Basis
T = Total

Client: LFR, Inc. Job Number: 720-24828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-63345					
LCS 720-63345/2-A	Lab Control Sample	T	Water	3510C	
LCSD 720-63345/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 720-63345/1-A	Method Blank	T	Water	3510C	
720-24828-1	MW-1	T	Water	3510C	
720-24828-2	MW-8	T	Water	3510C	
720-24828-3	OXY-1LF	T	Water	3510C	
720-24828-4	OXY-1LF-D	T	Water	3510C	
720-24828-5	MW-9LF	T	Water	3510C	
720-24828-6	OXY-1S	T	Water	3510C	
720-24828-7	MW-9D	T	Water	3510C	
720-24828-8	MW-9S	T	Water	3510C	
720-24828-9	OXY-1D	T	Water	3510C	
720-24828-10	MW-7D	T	Water	3510C	
720-24828-11	MW-7S	T	Water	3510C	
Analysis Batch:720-63383					
LCS 720-63345/2-A	Lab Control Sample	T	Water	8015B	720-63345
LCSD 720-63345/3-A	Lab Control Sample Duplicate	T	Water	8015B	720-63345
MB 720-63345/1-A	Method Blank	T	Water	8015B	720-63345
Analysis Batch:720-63385					
720-24828-1	MW-1	T	Water	8015B	720-63345
720-24828-2	MW-8	T	Water	8015B	720-63345
720-24828-3	OXY-1LF	T	Water	8015B	720-63345
720-24828-4	OXY-1LF-D	T	Water	8015B	720-63345
720-24828-5	MW-9LF	T	Water	8015B	720-63345
720-24828-6	OXY-1S	T	Water	8015B	720-63345
720-24828-7	MW-9D	T	Water	8015B	720-63345
720-24828-8	MW-9S	T	Water	8015B	720-63345
720-24828-9	OXY-1D	T	Water	8015B	720-63345
720-24828-10	MW-7D	T	Water	8015B	720-63345
720-24828-11	MW-7S	T	Water	8015B	720-63345

Report Basis
T = Total

Client: LFR, Inc.

Job Number: 720-24828-1

Method Blank - Batch: 720-63405

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-63405/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/23/2009 1238
Date Prepared: 12/23/2009 1238

Analysis Batch: 720-63405
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: MB-WA-9-122301.66
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	106	67 - 130
1,2-Dichloroethane-d4 (Surr)	111	67 - 130
Toluene-d8 (Surr)	104	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-63405

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-63405/7	Analysis Batch:	720-63405	Instrument ID:	Varian 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LS-WA-9-122301.66 12-23-20
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1330			Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1330				

LCSD Lab Sample ID:	LCSD 720-63405/8	Analysis Batch:	720-63405	Instrument ID:	Varian 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LD-WA-9-122301.66 12-23-200
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1358			Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1358				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	115	93	66 - 138	21	20		*
Benzene	99	86	80 - 130	14	20		
Ethylbenzene	118	100	80 - 139	17	20		
Toluene	105	88	80 - 126	17	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	106	67 - 130
1,2-Dichloroethane-d4 (Surr)	115	112	67 - 130
Toluene-d8 (Surr)	108	104	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-63405

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-63405/9	Analysis Batch:	720-63405	Instrument ID:	Varian 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LS-WA-9-122301.66 12-23-20
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1426			Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1426				

LCSD Lab Sample ID:	LCSD 720-63405/10	Analysis Batch:	720-63405	Instrument ID:	Varian 3900C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LD-WA-9-122301.66 12-23-200
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/23/2009 1455			Final Weight/Volume:	10 mL
Date Prepared:	12/23/2009 1455				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	88	89	30 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	107	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	117	118	67 - 130
Toluene-d8 (Surr)	107	110	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Method Blank - Batch: 720-63532

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-63532/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/28/2009 1849
Date Prepared: 12/28/2009 1849

Analysis Batch: 720-63532
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: MB-WA-9-12280.64
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	104	67 - 130
1,2-Dichloroethane-d4 (Surr)	106	67 - 130
Toluene-d8 (Surr)	107	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-63532

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-63532/5	Analysis Batch:	720-63532	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LS-WA-9-12280.64 12-28-200
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/28/2009 1759			Final Weight/Volume:	10 mL
Date Prepared:	12/28/2009 1759				

LCSD Lab Sample ID:	LCSD 720-63532/6	Analysis Batch:	720-63532	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LD-WA-9-12280.64 12-28-2009
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/28/2009 1824			Final Weight/Volume:	10 mL
Date Prepared:	12/28/2009 1824				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	83	85	30 - 130	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	107	67 - 130
1,2-Dichloroethane-d4 (Surr)	104	101	67 - 130
Toluene-d8 (Surr)	112	110	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-63532

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-63532/35	Analysis Batch:	720-63532	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LS-WA-9-122801.64 12-28-20
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/28/2009 1940			Final Weight/Volume:	10 mL
Date Prepared:	12/28/2009 1940				

LCSD Lab Sample ID:	LCSD 720-63532/27	Analysis Batch:	720-63532	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LD-WA-9-12280.64 12-28-2009
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/28/2009 1733			Final Weight/Volume:	10 mL
Date Prepared:	12/28/2009 1733				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	83	87	66 - 138	4	20		
Benzene	88	86	80 - 130	2	20		
Ethylbenzene	95	88	80 - 139	8	20		
Toluene	90	81	80 - 126	10	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	108	67 - 130
1,2-Dichloroethane-d4 (Surr)	100	107	67 - 130
Toluene-d8 (Surr)	101	108	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-63532

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-24828-B-11 MS	Analysis Batch: 720-63532	Instrument ID: Varian 3900A
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: SA-WA-24828-B-11MS
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	12/28/2009 2110		Final Weight/Volume: 10 mL
Date Prepared:	12/28/2009 2110		

MSD Lab Sample ID:	720-24828-B-11 MSD	Analysis Batch: 720-63532	Instrument ID: Varian 3900A
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: SA-WA-24828-B-11MSD
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	12/28/2009 2135		Final Weight/Volume: 10 mL
Date Prepared:	12/28/2009 2135		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	83	85	60 - 138	3	20		
Benzene	86	86	60 - 140	0	20		
Ethylbenzene	87	90	60 - 140	3	20		
Toluene	89	86	60 - 140	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	105	67 - 130
1,2-Dichloroethane-d4 (Surr)	103	105	67 - 130
Toluene-d8 (Surr)	106	109	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Method Blank - Batch: 720-63576

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-63576/29
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/29/2009 1440
Date Prepared: 12/29/2009 1440

Analysis Batch: 720-63576
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: MB-WA-9-122901.64
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	109	67 - 130
1,2-Dichloroethane-d4 (Surr)	105	67 - 130
Toluene-d8 (Surr)	101	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-63576

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-63576/28	Analysis Batch:	720-63576	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LS-WA-9-122901.64 12-29-20
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/29/2009 1505			Final Weight/Volume:	10 mL
Date Prepared:	12/29/2009 1505				

LCSD Lab Sample ID:	LCSD 720-63576/32	Analysis Batch:	720-63576	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LD-WA-9-122901.64 12-29-200
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/29/2009 1530			Final Weight/Volume:	10 mL
Date Prepared:	12/29/2009 1530				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	89	87	66 - 138	2	20		
Benzene	91	91	80 - 130	1	20		
Ethylbenzene	96	93	80 - 139	3	20		
Toluene	98	87	80 - 126	12	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	107	103	67 - 130
Toluene-d8 (Surr)	109	104	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: LFR, Inc.

Job Number: 720-24828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-63576

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-63576/2	Analysis Batch:	720-63576	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LS-WA-9-122901.64 12-29-20
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/29/2009 1556			Final Weight/Volume:	10 mL
Date Prepared:	12/29/2009 1556				

LCSD Lab Sample ID:	LCSD 720-63576/3	Analysis Batch:	720-63576	Instrument ID:	Varian 3900A
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	LD-WA-9-122901.64 12-29-200
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	12/29/2009 1621			Final Weight/Volume:	10 mL
Date Prepared:	12/29/2009 1621				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	84	91	30 - 130	8	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	103	67 - 130
1,2-Dichloroethane-d4 (Surr)	110	102	67 - 130
Toluene-d8 (Surr)	111	109	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-63345

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-63345/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/23/2009 1051
Date Prepared: 12/22/2009 1356

Analysis Batch: 720-63383
Prep Batch: 720-63345
Units: ug/L

Instrument ID: HP GC 7890
Lab File ID: FID2000010.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

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

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	76	23 - 156

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-63345

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-63345/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/23/2009 1007
Date Prepared: 12/22/2009 1356

Analysis Batch: 720-63383
Prep Batch: 720-63345
Units: ug/L

Instrument ID: HP GC 7890
Lab File ID: FID2000008.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-63345/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/23/2009 1029
Date Prepared: 12/22/2009 1356

Analysis Batch: 720-63383
Prep Batch: 720-63345
Units: ug/L

Instrument ID: HP GC 7890
Lab File ID: FID2000009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 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]	81	76	40 - 150	7	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	88	86	23 - 156

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-21628

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

121253

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

PROJECT NO.: 001-09980-10 | SECTION NO.: | DATE: 12/17/09 | SAMPLER'S INITIALS: AAV | SERIAL Nº 5376

PROJECT NAME: Hanson Sunol | SAMPLER (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 8021/8020)	VOCs (EPA 8260/8240)	Metals (EPA 6010/7000)	MTBE	TAT: Standard	TAT: RUSH	TAT: HOLD	REMARKS
MW-1	12/17	1238		4		X	X	X	X			X				X	
MW-8	12/17	1325		4													
OXY-1LF	12/17	1443		4													
OXY-1LF-D	12/17	1449		4													
MW-9LF	12/17	1553		4													
OXY-1S	12/17	1630		4													
MW-9D	12/18	0918		4													
MW-9S	12/18	1006		4													
OXY-1D	12/18	1125		4													
MW-7D	12/18	1252		4													
MW-7S	12/18	1400		4													
TB-121709	12/17	—		1		X	X	X	X			X				X	

SAMPLE RECEIPT: ☐ Intact ☐ Cold ☐ On Ice ☐ Ambient | Cooler Temp: | Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A 4.2°C

ANALYTICAL LABORATORY: Test America

METHOD OF SHIPMENT:
LAB REPORT NO.:
FAX COC CONFIRMATION TO:
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO: EMV.LABEDDS.COM

RELINQUISHED BY: 1
(SIGNATURE) Andrea Valdivia (DATE) 12/18/09
(PRINTED NAME) LFR (TIME) 1545
(COMPANY)

RELINQUISHED BY: 2
(SIGNATURE) (DATE) 12-18-09.
(PRINTED NAME) Moises Vasquez (TIME) 15:45.
(COMPANY) Gold Bullet Delivery

RELINQUISHED BY: 3
(SIGNATURE) (DATE) 12-18-09
(PRINTED NAME) Moises Vasquez (TIME) 16:04
(COMPANY) Gold Bullet Delivery

RECEIVED BY: 1
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

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

RECEIVED BY (LABORATORY): 3
(SIGNATURE) (DATE) 12-18-09
(PRINTED NAME) Mullen (TIME) 1600
(COMPANY) Test America

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

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

01/06/2010

Login Sample Receipt Check List

Client: LFR, Inc.

Job Number: 720-24828-1

Login Number: 24828

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	
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	
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	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

2/4/2010

Ms. Katrin Schliewen
LFR Inc. an ARCADIS company
1900 Powell Street
Suite 1200
Emeryville CA 94608

Project Name: Hanson
Project #: 001-09480-11
Workorder #: 0912542

Dear Ms. Katrin Schliewen

The following report includes the data for the above referenced project for sample(s) received on 12/22/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-17 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0912542

Work Order Summary

CLIENT:	Ms. Katrin Schliewen LFR Inc. an ARCADIS company 1900 Powell Street Suite 1200 Emeryville, CA 94608	**BILL TO:**	Ms. Katrin Schliewen LFR Inc. an ARCADIS company 1900 Powell Street Suite 1200 Emeryville, CA 94608
PHONE:	510-596-9637	**P.O. #**	EM009480.0011.00002
FAX:	650-652-4906	**PROJECT #**	001-09480-11 Hanson
DATE RECEIVED:	12/22/2009	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	01/05/2010		

FRACTION #	NAME	TEST
01A	SG-1	Modified TO-17
02A	SG-2	Modified TO-17
03A	SG-3	Modified TO-17
04A	SG-4	Modified TO-17
05A	Lab Blank	Modified TO-17
06A	CCV	Modified TO-17
07A	LCS	Modified TO-17

CERTIFIED BY: Linda D. Fruman DATE: 01/07/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
TO-17 - Markes ATD
LFR Inc. an ARCADIS company
Workorder# 0912542

Four TO-17 Tube (T15) samples were received on December 22, 2009. The laboratory performed the analysis via modified EPA Method TO-17 using GC/MS in the full scan mode. TO-17 sorbent tubes are thermally desorbed onto a secondary trap. The trap is thermally desorbed to elute the components into the GC/MS system for further separation.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-17***	***ATL Modifications***
Laboratory Blank	At least 2 tubes from the same cleaning batch as the samples are analyzed at the beginning and end of the analytical sequence. Do not dry purge Lab Blanks.	Tubes used for daily lab blank may or may not be from the same batch or sampling media. Only 1 lab blank is analyzed prior to sample analysis. Lab blanks are dry purged to eliminate the possibility of sample anomaly attributed to dry purge process.
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-17 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A sampling volume of 1.04 L was used to convert ng to ug/m3 for the associated Lab Blank.

The recovery of internal standards Fluorobenzene and 1,4-Dichlorobenzene-d4 in sample SG-3 were outside control limits due to high level hydrocarbon matrix interference. It is not possible to re-run the sample at a dilution using sorbent tube media. Data is reported as qualified.

The TPH pattern in samples SG-3 and SG-4 did not resemble that of the gasoline. The hydrocarbons were distributed in the lighter carbon range of gasoline.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED METHOD TO-17

Client Sample ID: SG-1

Lab ID#: 0912542-01A

No Detections Were Found.

Client Sample ID: SG-2

Lab ID#: 0912542-02A

No Detections Were Found.

Client Sample ID: SG-3

Lab ID#: 0912542-03A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	1000	1000	480000 E	480000 E

Client Sample ID: SG-4

Lab ID#: 0912542-04A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Benzene	10	10	11	11
TPH ref. to Gasoline (MW=100)	1000	1000	74000	77000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SG-1

Lab ID#: 0912542-01A

MODIFIED METHOD TO-17

File Name:	**j010419**	**Date of Extraction: NA**	**Date of Collection: 12/18/09 11:00:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 1/4/10 07:18 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Methyl tert-butyl ether	50	48	Not Detected	Not Detected
Benzene	10	9.6	Not Detected	Not Detected
Toluene	5.0	4.8	Not Detected	Not Detected
Ethyl Benzene	5.0	4.8	Not Detected	Not Detected
m,p-Xylene	10	9.6	Not Detected	Not Detected
o-Xylene	5.0	4.8	Not Detected	Not Detected
Naphthalene	5.0	4.8	Not Detected	Not Detected
TPH ref. to Gasoline (MW=100)	1000	960	Not Detected	Not Detected
TPH ref. to Diesel	1000	960	Not Detected	Not Detected

Air Sample Volume(L): 1.04
Container Type: TO-17 Tube (T15)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
4-Bromofluorobenzene	96	70-130
Naphthalene-d8	101	70-130

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Laboratory Services Since 1989

Client Sample ID: SG-2

Lab ID#: 0912542-02A

MODIFIED METHOD TO-17

File Name:	**j010420**	**Date of Extraction: NA**	**Date of Collection: 12/18/09 11:22:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 1/4/10 08:00 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Methyl tert-butyl ether	50	53	Not Detected	Not Detected
Benzene	10	11	Not Detected	Not Detected
Toluene	5.0	5.3	Not Detected	Not Detected
Ethyl Benzene	5.0	5.3	Not Detected	Not Detected
m,p-Xylene	10	11	Not Detected	Not Detected
o-Xylene	5.0	5.3	Not Detected	Not Detected
Naphthalene	5.0	5.3	Not Detected	Not Detected
TPH ref. to Gasoline (MW=100)	1000	1100	Not Detected	Not Detected
TPH ref. to Diesel	1000	1100	Not Detected	Not Detected

Air Sample Volume(L): 0.943
Container Type: TO-17 Tube (T15)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130
Naphthalene-d8	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SG-3

Lab ID#: 0912542-03A

MODIFIED METHOD TO-17

File Name:	**j010421**	**Date of Extraction: NA**	**Date of Collection: 12/18/09 11:42:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 1/4/10 08:41 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Methyl tert-butyl ether	50	50	Not Detected	Not Detected
Benzene	10	10	Not Detected	Not Detected
Toluene	5.0	5.0	Not Detected	Not Detected
Ethyl Benzene	5.0	5.0	Not Detected	Not Detected
m,p-Xylene	10	10	Not Detected	Not Detected
o-Xylene	5.0	5.0	Not Detected	Not Detected
Naphthalene	5.0	5.0	Not Detected	Not Detected
TPH ref. to Gasoline (MW=100)	1000	1000	480000 E	480000 E
TPH ref. to Diesel	1000	1000	Not Detected	Not Detected

Air Sample Volume(L): 1.00

E = Exceeds instrument calibration range.

Container Type: TO-17 Tube (T15)

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
4-Bromofluorobenzene	117	70-130
Naphthalene-d8	111	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SG-4

Lab ID#: 0912542-04A

MODIFIED METHOD TO-17

File Name:	**j010422**	**Date of Extraction: NA**	**Date of Collection: 12/18/09 10:25:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 1/4/10 09:23 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Methyl tert-butyl ether	50	52	Not Detected	Not Detected
Benzene	10	10	11	11
Toluene	5.0	5.2	Not Detected	Not Detected
Ethyl Benzene	5.0	5.2	Not Detected	Not Detected
m,p-Xylene	10	10	Not Detected	Not Detected
o-Xylene	5.0	5.2	Not Detected	Not Detected
Naphthalene	5.0	5.2	Not Detected	Not Detected
TPH ref. to Gasoline (MW=100)	1000	1000	74000	77000
TPH ref. to Diesel	1000	1000	Not Detected	Not Detected

Air Sample Volume(L): 0.962
Container Type: TO-17 Tube (T15)

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
4-Bromofluorobenzene	105	70-130
Naphthalene-d8	106	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0912542-05A

MODIFIED METHOD TO-17

File Name:	**j010417**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 1/4/10 05:54 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Methyl tert-butyl ether	50	48	Not Detected	Not Detected
Benzene	10	9.6	Not Detected	Not Detected
Toluene	5.0	4.8	Not Detected	Not Detected
Ethyl Benzene	5.0	4.8	Not Detected	Not Detected
m,p-Xylene	10	9.6	Not Detected	Not Detected
o-Xylene	5.0	4.8	Not Detected	Not Detected
Naphthalene	5.0	4.8	Not Detected	Not Detected
TPH ref. to Gasoline (MW=100)	1000	960	Not Detected	Not Detected
TPH ref. to Diesel	1000	960	Not Detected	Not Detected

Air Sample Volume(L): 1.04
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130
Naphthalene-d8	107	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0912542-06A

MODIFIED METHOD TO-17

File Name:	**j010414**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 1/4/10 04:15 PM**

Compound	%Recovery
Methyl tert-butyl ether	113
Benzene	86
Toluene	89
Ethyl Benzene	93
m,p-Xylene	91
o-Xylene	93
Naphthalene	95
TPH ref. to Gasoline (MW=100)	82
TPH ref. to Diesel	114

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130
Naphthalene-d8	102	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0912542-07A

MODIFIED METHOD TO-17

File Name:	**j010415**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 1/4/10 04:43 PM**

Compound	%Recovery
Methyl tert-butyl ether	113
Benzene	86
Toluene	89
Ethyl Benzene	93
m,p-Xylene	93
o-Xylene	96
Naphthalene	102
TPH ref. to Gasoline (MW=100)	99
TPH ref. to Diesel	Not Spiked

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
4-Bromofluorobenzene	98	70-130
Naphthalene-d8	105	70-130

LFR

Sheet 1 of 1 Date:

Project # 001-09480 → 11

Computed by: E(MAX) MACLEOD

Checked by:

Approved by:

Project Hanson Sunol

Subject Soil gas sampling

SG-4 calibration + sampling

10:08 216.6 220.1 10:09 222.9 reduced flow

10:12 220.5 reduced flow

10:13 185.7* 180.8* 181.3* 180.5* → 5½ min

AVG. FLOW = 182.1 ml/min

Vol = 0.962 L

Begin sampling @ 10:20:00 END SAMPLING 10:25:17

TIME = 5 MIN., 17 SEC.

SG-#1

10:51 219.4* 214.0* 217.8* 222.1* AVG. FLOW = 218.3 ml/min.

10:55:55 Begin Sampling 11:00:40 END SAMPLE TIME = 4 MIN., 45 SEC.

POST SAMPLE FLOW READING = 213.4 Vol. = 1.037 L

SG-2

AVG. FLOW = 217.6

11:10 250.8 246.6 RESET 220.5* 214.4* 217.8*

11:18:10 BEGIN SAMPLING 11:22:30 END SAMPLING

TIME = 4 min 20 SEC.

Vol. = 942.9

SG-3

11:30 219.0* 225.8* 214.4* 227.1* 227.9*

AVG. FLOW = 222.8

11:38:15 BEGIN SAMPLE 11:42:45 TIME = 4 min 30 sec.

Vol = 1.003 L

* = VALUE THAT IS USED TO ESTABLISH AVERAGE FLOW.

Well lid MORRISON DEBUQUE 18-418 XA

Air Toxics LTD.

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection handling or shipping of these samples. Relinquished signature also indicated agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

AIR TOXICS LTD.
180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

Chain-of-Custody Record

Project Manager:Katrin Schliewen
Company:Lfr/Arcadis
Address:1900 Powell St., City: Emeryville
State:CA Zip: 94608
Phone:510 596-9637 FAX:510 652-4906

Collected By (print and sign): E.(MAX) MACLEOD

Project Information:
P.O. #
Project # 001-09480-11
Project Name Hanson

Turn Around Time:
☒ Normal
☐ Rush Specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	SG-1	tube	12/18/2009	10:55	11:00	4:45	1.037	TPHd, TPHg, BTEX, Napthalene
	SG-2	tube	12/18/2009	11:18	11:22	4:20	0.943	TPHd, TPHg, BTEX, Napthalene
	SG-3	tube	12/18/2009	11:38	11:42	4:30	1.003	TPHd, TPHg, BTEX, Napthalene
	SG-4	tube	12/18/2009	10:20	10:25	5:17	0.962	TPHd, TPHg, BTEX, Napthalene

Relinquished By: (Signature) Date/Time 12/21/09 08:45 | Received By: (Signature) Date/Time

Relinquished By: (Signature) Date/Time | Received By: (Signature) Date/Time

Relinquished By: (Signature) Date/Time | Received By: (Signature) Date/Time

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes: AVG. FLOW RATES
SG-1 218.3 ml/min
SG-2 217.6 " "
SG-3 222.2 " "
SG-4 182.1 " "

APPENDIX D

Field Sheets

LFR LEVINE-FRICKE

WATER-LEVEL MEASUREMENTS LOG

Project No. 001-094880-10 Date 12/17/09 Page 1 of ___

Project Name Hanson Sunol Day: ☐ Sun ☐ Mon ☐ Tues ☐ Weds ☒ Thurs ☐ Fri ☐ Sat

Field Personnel R. Moniz, A. Valdivia (M. MacLeod also present)

General Observations _____

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		4.60	4.60		X		
MW-9D		6.90	6.90		X		Hard to remove cap
MW-9LF		6.46	6.46		X		
OXY-1S		—	—		X		Cannot get full cap off
OXY-1D		—	—		X		" Both bolts missing
OXY-1LF		—	—		X		"
MW-7S		5.32	5.32		X		Lid is cracked into pieces
MW-7D		4.80	4.80		X		(Same as above) - dual nested
MW-8		4.32	4.32		X		
MW-1		4.34	4.34		X		

LFR LEVINE • FRICKE

WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 17, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: MW-1 ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPHd w/ SI gel cleanup	(1) 1L Amber w/
TPHg/BTEX/MTBE	(3) 40ml VOAs

~160 ml/min

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

Well No. MW-1 Depth of Water

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	Inlet Depth	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm)	ORP (mV)	Turb (NTU)	Color / Remarks
1125	12.5	4.34	Ø							Begin Purge
1157		4.84	1.5	5.57	18.04	6.68	2787	-25.0		
1201		4.90	1.6	5.27	18.10	6.64	2793	-18.6		
1208		4.94	1.7	5.00	18.12	6.65	2800	-4.5	10.3	
1212		4.94	1.8	41.7%/4.45	18.20	6.62	2800	-2.1	8.87	
1216		4.94	1.9	46.0/4.28	18.22	6.62	2800	2.4	7.30	
1219		4.90	2.0	44.3/4.13	18.21	6.62	2797	8.3		
1225		4.94	2.1	42.5/4.00	18.17	6.61	2793	13.0	7.23	
1228		4.94	2.2	40.7/3.80	18.21	6.61	2795	15.6		
1231		4.96	2.3	39.6/3.66	18.21	6.61	2795	18.2		
1234		4.98	2.4	38.0/3.50	18.22	6.61	2795	21.2	6.48	DO = 4.8 Ronkat
1238										Sample
										Fe = 0.11 mg/L

Continue remarks on reverse, if needed.

LFR LEVINE•FRICKE

WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 17, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: MW-8 ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPHd w/ Si gel cleanup	(1) 1L Amber w/ HCl
TPHg / BTEX / MTBE	(3) 40mL Vials w/ HCl

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

~200mL/min

Well No. MW-8 Depth of Water 4.39'

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	Inlet Depth DO%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm)	ORP (mV)	Turb (NTU)	Color / Remarks
13:01	Start	4.39'								
13:05	28.7	4.38'	0.5	2.69	17.09	6.72	1501	37.9	3.39	
13:08	27.4	4.38'	0.75	2.62	17.10	6.69	1497	35.0	2.93	
13:11	25.8	4.38'	1.0	2.52	17.09	6.68	1495	33.5	2.08	
13:14	24.7	4.39'	1.25	2.37	17.08	6.66	1492	31.4	2.11	
13:17	22.9	4.40'	1.75	2.20	17.10	6.65	1492	29.6	2.06	
13:20	23.4	4.40'	2.0	2.25	17.01	6.65	1489	28.1	2.15	
13:25	Sample									Sample
										DO = 4.0 mg/L
										Fe = 0.01 mg/L

Continue remarks on reverse, if needed.

LFR LEVINE • FRICKE

WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 17, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location: Oxy - LLF

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☒ DUP Oxy - LLF - D

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPH1 w/ Si gel cleanup	(1) 1L Amber
TPHg / BTEX / MTBE	(3) 40mL Vons

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

~200 mL/min

Note - * can not measure water level. unable to remove narrow cap.

Well No. Oxy - LLF Depth of Water

Well Diameter: 2" w/ 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	Inlet Depth DO %	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm)	ORP (mV)	Turb (NTU)	Color / Remarks
1355										Begin Purge
1417	58.0	—*	2.0	5.50	17.69	6.99	1566	60.4	739	- long purge to high NTU
1420	55.5	—	2.5	5.29	17.69	6.98	1561	62.9	632	
1423	60.5	—	3.0	5.61	17.70	7.01	1569	67.1	504	
1426	44.2	—	3.25	4.19	17.70	7.00	1568	67.2	439	
1429	40.4	—	3.5	3.84	17.70	7.00	1564	68.5	421	
1432	39.1	—	4.0	3.72	17.70	6.99	1561	68.3	334	
1435	39.2	—	4.25	3.73	17.69	6.99	1561	68.9	301	
1438	38.6	—	4.5	3.61	17.69	6.99	1563	69.1	257	
1443	End									Sample
1449										Duplicate
										DO-
										Fe^{2+} = 0.10 mg/L

Continue remarks on reverse, if needed.

LFR LEVINE • FRICKE

WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 17, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: MW-9LF ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPHd Si gel cleanup	(1) 1 L Amber
TPHg / BTEX / MTBE	(3) 40 mL VOAs

~200 mL/min
~white-milky in color

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

Well No. MW-9LF Depth of Water 5.57'

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	~~Inlet~~ Depth DO%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm)	ORP (mV)	Turb (NTU)	Color / Remarks
1522	Start	5.57	0							Begin Purge
1533	75.5	5.71	<1.0	1.07	18.48	7.73	1339	67.9	71.8	
1537	76.2	5.71	1.25	1.11	18.46	7.74	1343	66.3	70.4	
1540	76.8	5.70	1.5	1.17	18.41	7.72	1342	66.0	73.2	
1553	End									Sample Fe = 0.06 mg/L

Continue remarks on reverse, if needed.

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WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 17, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: Oxy - 1S ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other Peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

* Cannot measure depth

Well No. Oxy - 1S

Well Diameter: 2"

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet)

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet)

Depth of Water

Well Depth

Water Column Height

Well Volume

Time	Inlet Depth 80%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm C)	ORP (mV)	Turb (NTU)	Color / Remarks
1556	—	—	0	—	—	—	—	—	—	Begin Purge
1609	72.0	—*	1.0		18.55	7.46	2450	72.0	77.0	
1614	71.3	—	1.5	6.60	18.53	7.47	2393	67.8	51.4	
1618	70.2	—	2.0	6.56	18.52	7.48	2354	66.2	56.4	
1621	71.0	—	2.5	6.59	18.52	7.48	2333	64.7	49.5	
1624	69.9	—	3.0	6.52	18.52	7.48	2307	63.7	44.9	
1630	End	—	—	—	—	—	—	—	—	Sample
										DO = 8.8 mg/L
										Fe^{2+} = 0.10 mg/L

Continue remarks on reverse, if needed.

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WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 18, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: MW-9D ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPHd, TPHg, BTEX, & MTBE	1-1L amber w/HCl
	3-40mL VOAs w/HCl

Flow ≈ 200mL/min

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

Well No. MW-9D Depth of Water ~~5.62' (12/18)~~ Dropped down after 30 minutes of air sparging being off 7.30

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	~~Inlet~~ ~~Depth~~ DO%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm C)	ORP (mV)	Turb (NTU)	Color / Remarks
0801	Start	7.45'								Begin Purge
0841	92.6	~~9276~~	1.5	8.71	17.97	7.45	1591	14.6	—	Long delay due
0845	90.3	7.52'	2.0	8.47	18.15	7.43	1596	15.0	316	to Equipco & H&S meeting
0848	88.8	7.56'	2.5	8.31	18.33	7.43	1598	14.7	294	
0851	87.4	7.51'	2.75	8.17	18.33	7.42	1596	14.9	287	
0854	85.9	7.44'	3.0	8.02	18.38	7.39	1599	16.7	280	
0857	~~89~~ 86	7.30'	3.25	7.92	18.36	7.35	1599	19.9	245	
0900	84.0	7.24'	3.5	7.84	18.35	7.34	1601	22.3	244	
0903	83.4	7.12'	3.75	7.79	18.36	7.31	1606	26.9	229	
0906	82.7	7.13'	~4.0	7.73	18.44	7.31	1606	27.4	227	
0909	82.7	7.11'	~4.25	7.72	18.45	7.29	1609	27.9	219	
0912	82.2	7.09'	4.5	7.64	18.46	7.28	1606	27.4	193	
0918	~~Purge~~ End									Sample

DO = 8.2 mg/L Fe^{2+} = 0.18 mg/L

Continue remarks on reverse, if needed.

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WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 18, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: MW-9S ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPHd, TPHg, BTEX MTBE	1-1L amber w/HCl
	3-40mL VOAs w/HCl

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

Note(s):
- Muddy when first purging, moved tubing and cleaned flow cell - clear after

Flow ≈ 160 mL/min

Well No. MW-9S Depth of Water 4.49

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	~~Inlet~~ Depth DO%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm ~~C~~)	ORP (mV)	Turb (NTU)	Color / Remarks
0938	Start	4.49'								Begin Purge
0949	79.4	4.52'	0.75	7.49	17.69	7.27	2392	43.7	61.1	
0952	78.3	4.52'	1.0	7.40	17.65	7.27	2387	42.6	45.5	
0955	78.0	4.53'	1.25	7.39	17.71	7.26	2390	42.1	37.9	
0958	78.2	4.52'	1.5	7.40	17.72	7.26	2389	42.0	34.4	
1006	End									Sample
										DO = 7.6 mg/L
										Fe^{2+} = 0.00 mg/L

Continue remarks on reverse, if needed.

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WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 18, 2009 Page 1 of _____

Project Name: Hanson Sunol Sampling Location: _____

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: OXY-1D ☐ FB _____

Sampling Plan By: Katrin Schliewen Dated: _____ ☐ DUP _____

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: _____ Where Disposed: _____

Analyses Requested	No. and Type of Bottles Used
TPHd, TPHg, BTEX, MTBE	1-1L amber w/HCl
	3-40mL VOAs w/HCl

Lab Name: ☒ Test America ☐ _____

Delivery By ☐ Courier

* Cannot measure water depth due to well is partially obstructed

★ ~~Switch~~ Switch column titles

Note: Don't know why DO readings off - it is sparging well ?

Flow rate ~ 150mL/min

Well No. OXY-1D Depth of Water N/A

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	~~Inlet~~ Depth DO%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm Ø)	ORP (mV)	Turb (NTU)	Color / Remarks
10:41	Start	—*								Begin Purge
10:55	10.46	—	1.0	110.4	17.61	7.57	1410	57.2	>1000	Milky appearance
11:07	10.41	—	2.0	109.8	17.63	7.59	1416	56.7	865	
1110	10.41	—	2.25	109.7	17.64	7.54	1417	56.8	708	
1113	10.39	—	2.5	109.6	17.65	7.52	1418	56.8	645	
1116	10.33	—	3.75	109.1	17.68	7.52	1419	56.8	555	
1119	10.33	—	3.0	109.1	17.69	7.51	1422	57.3	451	
1125	End									Sample
										DO = 8.2 mg/L
										Fe^{2+} = 0.21 mg/L

Continue remarks on reverse, if needed.

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WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 18, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: MW-7D ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPHd, TPHg, BTEX, & MTBE	1-1L amber w/HCl
	3-40mL VOAs w/HCl
Lab Name: ☒ Test America	☐
Delivery By ☐ Courier	

~~Flow < 1 gpm~~
Flow is draining well - cannot reduce flow any lower (or it shuts off)
Flow rate ≈ 150mL/min

Well No. MW-7D 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	~~Inlet~~ Depth DO%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm)	ORP (mV)	Turb (NTU)	Color / Remarks
1155	Start	4.95'								Begin Purge
1216	46.6	5.88'	1.5	4.34	18.12	6.68	1796	-75.9	15	
1220	43.9	6.05'	1.75	4.09	18.29	6.65	1808	-80.0	10	
1223	35.9	6.18'	2.0	3.35	18.35	6.65	1815	-83.7	14	
1226	35.3	6.37'	2.25	3.30	18.37	6.64	1814	-86.0	16	
1229	33.0	6.50'	2.5	3.09	18.39	6.64	1812	-87.6	29	
1233	29.8	6.68'	2.75	2.78	18.43	6.63	1808	-90.7	54	
1236	28.1	6.72'	2.9	2.61	18.45	6.62	1807	-91.9	88	
1239	27.1	6.78'	3.2	2.52	18.48	6.61	1807	-92.9	99	
1243	24.8	6.91'	3.5	2.31	18.48	6.67	1801	-95.5	100	
1246	24.1	6.98'	3.75	2.24	18.49	6.70	1800	-95.9	106	
1249	23.9	7.05'	3.9	2.20	18.48	6.70	1798	-96.0	104	
1252	End									Sample

DO = 3.0 mg/L Fe^{2+} = 2.60mg/L

Continue remarks on reverse, if needed.

Water turned strawberry color w/ reagent

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WATER-QUALITY SAMPLING LOG

Project No. 001-09480-10 Date: December 18, 2009 Page 1 of 1

Project Name: Hanson Sunol Sampling Location:

Sampler's Name: Rob Moniz / Andrea Valdivia Sample No.: MW-75 ☐ FB

Sampling Plan By: Katrin Schliewen Dated: ☐ DUP

Purge Method: ☐ Centrifugal Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☒ Other peri-pump

Purge Water Storage Container Type: 55 gallon drum Storage Location: on-site near wells

Date Purge Water Disposed: Where Disposed:

Analyses Requested	No. and Type of Bottles Used
TPHd, TPHg, BTEX, & MTBE	1-1L amber w/HCl
	3-40mL VOAs w/HCl

Lab Name: ☒ Test America ☐

Delivery By ☐ Courier

cannot reduce flow under 150mL/min - drawing the well slightly (like MW-7D)

Well No. MW-75 Depth of Water ~~4.79'~~ 4.98'

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	~~Inlet~~ Depth DO%	Depth to Water	Volume Purged (gal)	DO (mg / L)	Temp (C°)	pH (SU)	Elec Cond (uS / cm)	ORP (mV)	Turb (NTU)	Color / Remarks
1313	~~Start~~	4.98'								Begin Purge
1328	16.3	5.44'	1.75	1.59	16.21	6.70	1839	-68.5	30	
1331	14.3	5.47'	2.0	1.39	16.33	6.65	1845	-71.7	22	
1334	12.8	5.56'	2.25	1.24	16.38	6.65	1851	-74.9	19	
1337	10.8	5.59'	2.5	1.04	16.49	6.64	1864	-77.1	16	
1340	9.4	5.61'	2.75	0.91	16.52	6.63	1872	-79.0	15	
1343	8.8	5.63'	3.0	0.85	16.57	6.62	1888	-80.1	14	
1346	8.5	5.66'	3.25	0.82	16.60	6.61	1900	-80.5	12	
1349	7.3	5.67'	3.5	0.70	16.72	6.60	1925	-81.3	11	
1352	7.2	5.66'	3.75	0.70	16.73	6.59	1931	-81.5	11	
1355	7.3	5.62'	4.0	0.71	16.74	6.59	1939	-81.4	11	
1400	End									Sample
										DO = undetermined
										Fe^{2+} = 1.62 mg/L

Continue remarks on reverse, if needed.

water turned light pink