2010 OPERATIONS, MAINTENANCE & MONITORING ANNUAL REPORT

DEL AMO WASTE PITS
LOS ANGELES, CALIFORNIA

PREPARED FOR:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PREPARED ON BEHALF OF:

THE DEL AMO RESPONDENTS

PREPARED BY:

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An Environmental Management & Development Company

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ACRONYMS AND ABBREVIATIONS
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AO	Administrative Order
Annual Report	2010 OM&M Annual Report
ASTM	American Society of Testing and Materials
C_1	Carbon Vessel 1
GCTS	Cap Gas Collection and Treatment System
CO_2	carbon dioxide
COC	constituents of concern
DTSC	Department of Toxic Substances Control
kg	kilograms
lbs	pounds
LEL	lower explosive limit
ND	non-detect
O_2	oxygen
OM&M	operations, maintenance and monitoring
OM&M Manual	Operations, Maintenance and Monitoring Manual
P_{atm}	= atmospheric pressure or a preset value
PID	photo ionization detector
PLC	programmable logic controller
ppm	parts per million
P_r	= pressure at a radial distance, r, from the vapor extraction well
P_w	= pressure at the vapor extraction well.
r	= radial distance from the vapor extraction well
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
ROI	= radius of influence where pressure is equal to preset value
R_w	= well radius of the vapor extraction well
SCAQMD	South Coast Air Quality Management District
scf	standard cubic feet
scfm	standard cubic feet per minute
SVE/IBT	Soil Vapor Extraction/Insitu Biodegradation Technology
USEPA	United States Environmental Protection Agency
VOC	volatile organic compounds
Waste Pits	Del Amo Waste Pits Operable Unit

1.0 INTRODUCTION

This 2010 Operations, Maintenance, and Monitoring (OM&M) Annual Report (Annual Report) has been prepared by C2 REM on behalf of the Del Amo Respondents to summarize the OM&M activities conducted at the Del Amo Waste Pits Operable Unit (Waste Pits OU) site located in Torrance, California, pursuant to requirements in the *Administrative Order (AO) for Remedial Action, Docket No. 99-08, Del Amo Waste Pits Operable Unit, Torrance, California,* United States Environmental Protection Agency (USEPA), 1999, and the *Operations, Maintenance and Monitoring Manual for the Del Amo Waste Pits Operable Unit, Torrance, California,* Parsons Engineering Science, 1999 (OM&M Manual).

This Annual Report provides a summation of the OM&M activities conducted from January 2010 through December 2010 at the Waste Pits OU during the 11th year of operation of the Phase I remedy (e.g., multi-layer cap, soil vapor monitoring probes) and the 4th year operation of the Phase II remedy (i.e., Soil Vapor Extraction/In-Situ Biodegradation Technology System [SVE/IBT System]).

This Annual Report includes discussions on:

- OM&M activities for the Cap Gas Collection and Treatment System (Cap Gas System) and SVE/IBT System;
- Inspections (pursuant to both quarterly requirements and post rain) of the cover system, drainage systems, Cap Gas System, SVE/IBT System and general physical site characteristics; and,
- Summaries of maintenance and repairs.

The remainder of this Annual Report is outlined in the following sections:

2.0 Site History
3.0 Systems Operation and Monitoring
4.0 Inspections
5.0 Routine Maintenance
6.0 Monument Survey Event
7.0 Conclusions and Recommendations
8.0 References

2.0 SITE HISTORY

The Waste Pits OU includes Lots 36 and 37 of the Los Angeles County Assessor's Map and is located between Vermont Avenue (to the east) and Normandie Avenue (to the west) (see Figure 1.0). The northern boundary of the property is a Los Angeles Department of Water and Power easement, and the southern boundary is Del Amo Boulevard. There is one major petroleum and petrochemical pipeline corridor located within the property on the southern boundary of the Waste Pits OU property.

The Waste Pits OU includes two adjoining parcels of land (Lots 36 and 37), which previously contain six small rectangular pits (2-series pits) and three large rectangular impoundments (1-series pits) (see Figure 2.0). Both the 1-series and the 2-series pits were used for the disposal of wastes and waste liquids during operation of a synthetic rubber manufacturing facility, which ceased operations in 1972. The 2-series pits were located on the western side of Lot 36 and the 1-series pits, 1-B and 1-C, were located on the eastern side of Lot 36. Immediately east of Lot 36 is Lot 37, which contains a former large, rectangular impoundment designated as Pit 1-A. Impacted soils from Pit 1-A were excavated in four phases from 1982 – 1984 to a depth of 6 feet at the east side of the pit and to a depth of 25 feet at the west side of the pit. This excavation process was completed under the direction of the California Department of Health Services with jurisdiction for the Waste Pits OU under California Environmental Protection Agency's Department of Toxic Substances Control (DTSC).

As outlined in the *Remedial Design Work Plan, Del Amo Pits Operable Unit, Torrance, California*, Dames and Moore, 1998, the USEPA provided oversight for the construction and installation of the Phase I remedy including installation of the SVE wells (a component of the proposed Phase II remedy). The Phase I remedy, which was performed on the 1-series and 2-series pits, consisted of a Resource Conservation and Recovery Act (RCRA) equivalent multi-layer cap, soil vapor monitoring probes, the Cap Gas System, security fences, deed restrictions, and surface and subsurface drainage features. During 2006, the treatment technology for site vapor was selected, designed, and installed. The Phase II remedy, which is the SVE/IBT System, was placed into optimization testing and full-time operation on August 7, 2006.

3.0 SYSTEMS OPERATION AND MONITORING

3.1 CAP GAS SYSTEM OVERVIEW

The Cap Gas System utilizes a series of perforated pipes within the sand layer of the multi-layer cap to extract vapors that may accumulate beneath the cap. C2 REM conducted the Cap Gas System monitoring activities pursuant to the requirements as approved by the USEPA and as presented in the report entitled *Cap Gas Collection and Treatment Baseline Monitoring and Long-term Monitoring Recommendations Report, Del Amo Waste Pits Operable Unit, Los Angeles County, California*, C2 REM 2000. These monitoring activities were conducted to assess the efficiency of the Cap Gas System in the collection and treatment of fugitive soil vapor emissions from the sand layer within the cap (see Figure 3.0).

The Cap Gas System operates for 4 hours a day (10:00 am - 2:00 pm), 5 days a week (Monday - Friday). The Cap Gas System is controlled via a programmable logic controller (PLC) unit with capabilities for remote start and stop. In an effort to assess the efficiency and performance of the carbon units of the Cap Gas System, bi-weekly, monitoring was conducted from four sample locations (i.e., 1) system influent, 2) effluent of the lead carbon vessel, 3) effluent of the secondary carbon vessel, and 4) system effluent).

3.1.1 CAP GAS SYSTEM MONITORING RESULTS

A site-dedicated photo ionization detector (PID) (calibrated to 5 parts per million [ppm] benzene) was used to measure total volatile organic compound (VOC) concentrations at each of the four sample locations. As indicated in Table 1.0, influent sample concentrations ranging from 0.3 ppm to 40 ppm, and system effluent concentrations ranging from 0.0 ppm to 9.8 ppm were recorded during 2010. Due to an increase in VOC concentrations at the influent in 2010 as compared to 2009 (2010 average 14.6, 2009 average 0.4), additional monitoring beyond the bi-weekly Cap Gas System monitoring events is being conducted to further assess the increase in influent concentrations. During 2011 operations, the Cap Gas System monitoring will be conducted weekly to assist in determining the increase. The field forms used to record results of the Cap Gas System monitoring events is presented in Appendix A.

As outlined in the OM&M Manual and the USEPA-approved carbon bed change-out protocol, when VOC concentrations at the effluent of the Cap Gas System are greater than 5ppm and/or when the lead vessel efficiency (in relation to the system influent) falls within Zone 2 for two consecutive monitoring events or Zone 3 (see Figure 4.0), carbon shall be replaced to ensure the System is operating within compliance. Based upon this protocol, the lead and/or secondary carbon canister were changed out on May 25th, 2010; June 29, 2010; July 6, 2010; August 25, 2010; October 1, 2010; October 12, 2010; and November 19, 2010. Due to the increased influent concentrations in the Cap Gas System, during this period carbon was replaced more frequently and has prompted follow-up monitoring events to verify operational compliance based upon the protocol.

3.1.2 CAP GAS SYSTEM CONFIRMATION SAMPLING

C2 REM, with the approval of the USEPA (December 4, 2002), has modified the scope and frequency of the annual confirmation sampling event for the Cap Gas System from an annual program to once every 5 years. In addition, South Coast Air Quality Management District (SCAQMD) Method 25.1 has been eliminated from the required list of analyses for collected Cap Gas System samples due to the lack of relevant information obtained from the method, as well as the redundancy of using both SCAQMD Method 25.1 and USEPA Method TO14 (the latter of which provides an adequately detailed analysis of site constituents of concern [COC] and other related compounds).

C2 REM conducted a confirmation sampling event of the Cap Gas System on September 11, 2010 to ensure the effectiveness of field monitoring. Samples were collected from the four sample locations (as sampled with the PID) into 1-Liter SUMMA canisters (i.e., system influent, effluent of the lead carbon vessels, effluent of the secondary carbon vessel, and system effluent). Samples were transported to an approved fixed laboratory and analyzed using USEPA Method TO-15 for VOCs. Sample results indicate that benzene was detected at the system influent, the effluent of the lead carbon vessel, and the effluent of the secondary carbon vessel, at a concentration of 21 ppmv, 2.4 ppmv, and 0.0028 ppmv respectively. Benzene was not detected at the system effluent (see Table 2.0). This information was used to verify the VOC concentrations recorded with the PID during

monitoring events and ensure the effective operation of the Cap Gas System. Based on a correlation analysis of the laboratory data and monitoring results, the PID accurately measures the soil vapor concentrations. The correlation between PID data and laboratory data is 99.9%. The next confirmation sampling event will be conducted during the second quarter of 2015 (to coincide with the 3rd 5-year review) and thereafter in 2020.

3.2 SVE/IBT SYSTEM OVERVIEW

The SVE/IBT System was placed into optimization testing and full-time operation on August 7, 2006. C2 REM conducted SVE/IBT System monitoring activities pursuant to the requirements as approved by the USEPA and as presented in the report entitled *SVE/IBT Operations, Maintenance and Monitoring Manual*, C2 REM 2006. Additional information regarding the design and construction of the SVE/IBT System can be found in the following documents:

- *Remedial Design Work Plan Addendum*, C2 REM 2005
- *SVE/IBT Pre-Final Design Report Addendum*, C2 REM 2005
- *Process Hazard Analysis Report* ,Webb, Murray, & Associates 2005
- *SVE/IBT Operations, Maintenance, & Monitoring Manual*, C2 REM 2006
- *SVE/IBT Final Design Report*, C2 REM 2006
- *SVE/IBT Construction Quality Assurance Plan*, C2 REM 2006
- *SVE/IBT Remedial Action Workplan*, C2 REM 2006

The SVE/IBT System utilizes the existing extraction/monitoring well network to extract vapors at the outer edges of the Waste Pits OU and inject re-circulated vapors along with generated oxygen (O_2) to allow for enhanced vadose zone biodegradation to comply with the Record of Decision (ROD). The ROD cleanup goal is to prevent the migration of contaminants, primarily benzene, from the Waste Pits OU such that they do not contribute a 0.5% increase in concentration to the existing impacted groundwater underlying the Waste Pits OU.

The SVE/IBT System final design includes injection at four SVE wells (3, 4, 8, and 9) and extraction at nine SVE wells (1, 2, 5, 6, 7, 10, 11, 12, and 20A) to treat a portion of the extracted vapors and to enhance the natural aerobic degradation observed within the vadose zone (see Figure 5.0).

The SVE/IBT System normally operates 8 hours per day (8:00 am – 4:00 pm), 5 days per week (Monday – Friday). The SVE/IBT System is controlled via a PLC unit with capabilities for remote start and stop as well as alarm/emergency shutdown protocols. The results of both the pre-system and short-term operations are presented in the *Summary of SVE/IBT Pre-System Startup Operations Technical Memorandum*, C2 REM 2007 and the *Summary of SVE/IBT 3-Month Short-Term Operations Technical Memorandum*, C2 REM 2006.

On November 8, 2006, short-term operations ended and the SVE/IBT System has been in long-term OM&M operation since that date. The results from the 4th year long-term

OM&M period for the SVE/IBT System are presented in this Annual Report. Benzene is not the only constituent detected on the Waste Pits OU; however, it is detected at concentrations in excess of other constituents of concern (monthly laboratory results for benzene at the inlet of the SVE/IBT System average 15,076 ppm while ethylbenzene averages 430 ppm during this period). Therefore, given that the current SVE/IBT System performance parameters are chemical specific, benzene was selected for discussion purposes. A summary of laboratory data is provided in Table 3.0.

The information collected during this period includes field notes (see Appendix B), laboratory data (see Appendix C), and in-line sensor data (see Appendix D), which are discussed in detail in the following subsections. The data analysis indicates that the SVE/IBT System is performing at a level consistent with design parameters.

3.2.1 SVE/IBT SYSTEM OM&M ACTIVITIES

On January 1, 2010, the 4th year of the long-term OM&M activities began and included bi-weekly field monitoring (see Appendix E) and monthly laboratory sampling of the SVE/IBT System, monthly perimeter well monitoring (wells A, B, C, D, and H), and quarterly full-scale field monitoring of perimeter, cluster, vacuum performance, and SVE wells (see Appendix F for field monitoring results).

The SVE/IBT System was monitored at the following four stations (see Figure 6.0):

- Station 1 - Influent: (the combined flow of the nine extraction wells);
- Station 2 - Post Ambient Air: the diversion loop (to the granulated activated carbon beds) just after the ambient air intake;
- Station 3 - Carbon Vessel 1 (C_1): at the effluent of the primary carbon vessel; and,
- Station 4 - Effluent: the effluent stack.

These four measurement points were monitored for VOCs, O_2, carbon dioxide (CO_2), and flow rate using hand-held monitoring equipment. Corresponding in-line measurements from the PLC system were also recorded where applicable. The SVE/IBT System in-line sensors record the following parameters: O_2, flow rate, % lower explosive limit (LEL), temperature, relative humidity, and benzene (ppm) (see Figure 6.0 for the location of each in-line sensor). Along with the field monitoring that was conducted, samples were also obtained from the SVE/IBT System enclosure at the four sample stations once a month and analyzed for VOCs using USEPA Method 8260B and for fixed gases (i.e., O_2, CO_2, nitrogen, carbon monoxide, and methane) using American Society of Testing and Materials (ASTM) Method 1946.

Additionally, full-scale field monitoring was conducted quarterly from cluster, vacuum performance wells, and SVE injection and extraction wells (see Appendix F). Perimeter wells were monitored monthly (wells A, B, C, D, H) and quarterly (wells E, F, G, I, J, K, L) for VOCs, O_2, and CO_2 to ensure that soil vapors do not migrate beyond the areal extent

of the cap boundaries (see Figure 5.0 for well locations).[1] The procedures for monitoring the wells included measuring well pressure (inches of water), purging the appropriate well volume and analyzing vapors from each well with a PID calibrated to benzene and a RKI Eagle that measures O_2, LEL, and CO_2.

3.2.1.1 SVE/IBT System Monitoring Results

Based on laboratory results, the benzene concentrations at the influent ranged from 4,900 ppm to 27,000 ppm with an average of 15,076 ppm. The benzene concentrations at post ambient air ranged from 1,100 ppm to 3,400 ppm. The benzene concentrations at the outlet of C_1 ranged from non-detect (ND) to 3,700 ppm. The benzene concentrations at the effluent were all ND (see Table 3.0). Benzene concentrations at Stations 1-4 demonstrated that the SVE/IBT System was effective in controlling LEL conditions and maintaining acceptable emission limits (i.e., less than 50 ppm) (see Figure 7.0). O_2 concentration at inlet ranged from 7.1% to 11% with an average of 9.0%. CO_2 concentration at inlet ranged from 17% to 19% with an average of 18.5%. In comparison to the 2009 O_2 (13.1%) and CO_2 (15.1%) average concentration, the average O_2 concentration decreased while CO_2 increased. This difference is likely attributed to an increase in biodegradation and the microbial population over time. During 2010, the oxygen generator was operated continuously during SVE/IBT System operation.

3.2.1.2 Cluster Well Monitoring Results

The primary function of the cluster wells is to assist in determining vertical soil vapor concentration profiles and evaluate the effectiveness of the SVE/IBT System. However, since the SVE/IBT System has been operating throughout 2010 and the vapors in the subsurface have been mixing, an accurate determination of the concentration of VOCs in each vertical soil profile cannot be assessed. Instead, this data has been used to assess the effectiveness of the SVE/IBT System in increasing the O_2 available for biodegradation.

The field data collected from the cluster wells during this operation period is presented in Table 4.0. O_2 concentrations ranged from 0% to 20.9% with an average of 15.3%. CO_2 concentrations ranged from 0% to 37.4% with an average of 7.0%. VOC concentrations ranged from 0 ppm to greater than 15,000 ppm (Note: PID range is 0-15,000 ppm).

In order to more accurately assess the vertical distribution of VOCs, the SVE/IBT System would need to be shut down for an expanded period of time and allow soil vapor concentrations to rebound. A performance monitoring/rebound event is planned to occur in 2011 that will allow analysis of the vertical soil vapor concentrations and gradient in each vertical horizon and each sub-Area of the capped surface utilizing the site cluster monitoring wells. The data obtained will be compared to 1998 Baseline Calculated Concentrations to determine overall SVE/IBT system's ability to satisfy Remedial Action Objectives (RAOs).

[1] Pursuant to USEPA request (August 15, 2008), C2 REM began monitoring perimeter wells A, B, C, D, and H monthly starting in August 2008.

Results from the 2003 baseline laboratory confirmation sampling event are compared with field results obtained during 2010 and presented in Figures 8.0 and 9.0. O_2 levels in 2010 generally continue to show increases compared to the 2003 O_2 levels demonstrating that the SVE/IBT System is effective in the mixing of subsurface airflow and increasing the O_2 available for biodegradation.

3.2.1.3 Vacuum Performance Well Monitoring Results

The field data collected from the vacuum performance wells during this operation period is presented in Table 5.0. O_2 concentrations ranged from 0% to 20.9% with an average of 8.4%. CO_2 concentrations ranged from 0% to 37.2% with an average of 14.3%. VOC concentrations ranged from 0.2 ppm to greater than 15,000 ppm (Note: PID range is 0-15,000 ppm).

The primary function of the vacuum performance wells is to measure the pressure response to extraction throughout the targeted zone of remediation (+10 ft. msl layer). Based on a review of the 2010 monitoring data for the vacuum performance wells, average negative pressure was observed at these wells during quarterly sampling events with the following exceptions: Well C'and N'. The low positive pressure detected at these two locations is most likely due to their close proximity to injection wells.

Additionally, the vacuum performance wells can be used to assess the radius of influence of the SVE/IBT System. The nature of the SVE/IBT System (e.g., air re-circulation) makes this observation difficult in subareas 1 and 2 due to the close proximity of extraction and injection wells. In subarea 3, where extraction well 20A is located, no injection is occurring in the vicinity; therefore, the radius of influence from this extraction well was calculated using the following equation:

$$\text{ROI}=R_w*\text{EXP}\left\{\ln\left(\frac{r}{R_w}\right)*\left(\frac{P_{atm}^2-P_w^2}{P_r^2-P_w^2}\right)\right\},$$

where:

ROI = radius of influence where pressure is equal to preset value;
R_w = well radius of the vapor extraction well;
r = radial distance from the vapor extraction well;
P_{atm} = atmospheric pressure or a preset value;
P_r = pressure at a radial distance, r, from the vapor extraction well; and,
P_w = pressure at the vapor extraction well.

The radius of influence between extraction well 20A and vacuum performance monitoring well J' is 51.2 feet (see Table 6.0).

3.2.1.4 SVE Well Monitoring Results

The field data collected from the SVE wells during this operation period is presented in Table 7.0. O_2 concentrations ranged from 1.6% to 12.3% with an average of 6.0%. The SVE wells exhibiting the lowest O_2 concentrations are not connected to the SVE/IBT

System and are located in areas not actively targeted for enhanced biodegradation. CO_2 concentrations ranged from 7.2% to 37.4% with an average of 25.7%. VOC concentrations ranged from 0 ppm to greater than 15,000 ppm (Note: PID range is 0-15,000 ppm).

3.2.1.5 Perimeter Well Monitoring Results

The field data collected from the perimeter wells during this operation period is presented in Table 8.0. O_2 concentrations ranged from 3.5% to 20.6% with an average of 15%. CO_2 concentrations ranged from 0.4% to 24.0% with an average of 6.7%. VOC concentrations measured with a PID ranged from 0 ppm to 36 ppm. The average VOC concentrations for the perimeter wells is <1.5 ppm, with the exception of perimeter well B. VOC concentrations at perimeter well B ranged from 0 ppm to 36 ppm with an average of 12.8 ppm. Due to the higher than expected concentrations at perimeter well B, a confirmation sample for laboratory analysis was collected on September 28, 2010 to confirm the accuracy of field measurements. In comparison to PID which detected a VOC concentration of 24.4 ppm, the sample collected for laboratory analysis indicated ND for all VOC constituents, suggesting a potential anomaly with PID reading. PID error or false positive readings at perimeter well B may be due to moisture in the vapor at this location. The conditions and concentrations at this location will continue to be monitored closely.

The continued low concentrations of VOCs detected at the perimeter wells indicate good control of injected air volumes, the cover system is performing as designed, and the contaminated soil vapors are not migrating beyond the cap boundaries (see Figure 10.0).

3.2.2 SVE/IBT SYSTEM OPERATION SUMMARY

During the 1st year of operation (2007), the O_2 generator operation was evaluated to determine the optimum O_2 concentration as measured at the SVE/IBT influent based on optimum O_2 utilization. During this initial period of operation, it was determined that the O_2 generator would be adjusted in an attempt to maintain an average 15% oxygen level in the subsurface. In subsequent years of operation, the O_2 generator was operated increasingly more frequently in order to maintain the optimum oxygen concentration and CO_2 concentrations continued to increase, indications that biodegradation and microbial population were increasing.

Starting in the 3rd year of operation (2009) and beyond the O_2 generator has been operating continuously during SVE/IBT System operation. From January 1, 2010 through December 31, 2010, the SVE/IBT System operated for 1,766 hours out of 2,080 possible operation hours (assuming 8 hours/day, Monday-Friday). The continuous operation time of the O_2 generator coupled with the continued increase of CO_2 concentrations from 2009 to 2010 provide strong indications of continued increases in biodegradation and the microbial population (see Figure 11.0). Down time during this period is attributed to carbon change-outs, monitoring, and routine system maintenance (see Table 9.0).

The overall operation efficiency during this period was 85%. Total estimated operating parameters are as follows:

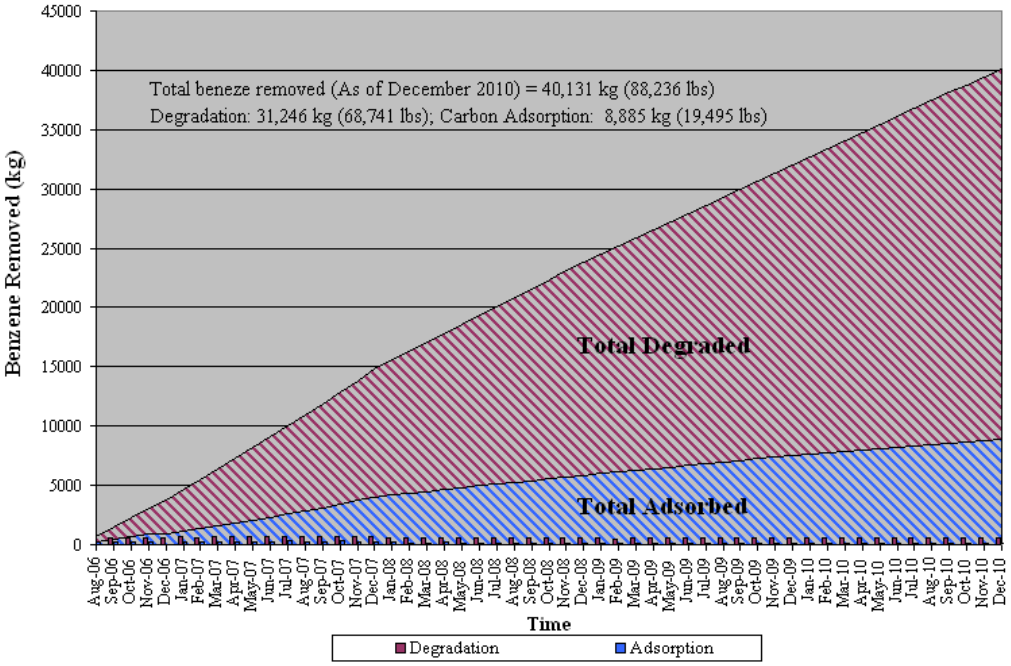
- Injected re-circulated air volume - approximately 4,1853,420 standard cubic feet (scf) at an average flow rate of 39.5 standard cubic feet per minute (scfm);
- Generated O_2 gas injected - approximately 529,800 scf at an average flow rate of 5.0 scfm and 91% purity;
- Extracted air volume - approximately 5,139,060 scf at an average flow rate of 48.5 scfm; and,
- Treated air volume - approximately 953,640 scf at an average flow rate of 9.0 scfm.

During this OM&M period, the SVE/IBT System operated in a manner consistent with design parameters and has effectively removed approximately 8,092 kg (17,802 lbs) of benzene via degradation (6,769 kg [14,893 lbs]) and adsorption (1,322 kg [2,909 lbs]). Table 10.0 provides the parameters and calculations used to estimate the total mass of benzene removed through degradation and adsorption. Based on in-line sensor treatment rate data, the SVE/IBT System is adsorbing approximately 6.0 kg/day (13 lbs/day) of benzene through the carbon beds, and is degrading approximately 18.5 kg/day (41 lbs/day) of benzene *insitu* (as measured by O_2 utilization).

Approximately 3,448 kg (7,601 lbs) of VOCs (of which 95% is benzene) were absorbed on both the primary and secondary vessels. There were eight carbon change-outs conducted during this period for an average of 383 kg (845 lbs) of VOCs adsorbed per carbon change-out (see Table 11.0). The observed carbon usage during this period was approximately a 6:1 carbon to benzene ratio. All carbon was transported offsite for reactivation to a certified carbon facility (see Appendix G).

Since the startup of the SVE/IBT System on August 6, 2006, approximately 40,131 kg (88,236 lbs) of benzene has been removed from the Waste Pits OU (approximately 31,246 kg [68,741 lbs] through degradation and approximately 8,885 kg [19,495 lbs] through adsorption to carbon).

Figure 12.0 – SVE/IBT System Operation – Total Benzene Removed



4.0 INSPECTIONS

Quarterly inspections with the USEPA and/or DTSC were conducted quarterly in accordance with the OM&M Manual (Section 4.0) on March 31, 2010; July 1, 2010; September 28, 2010; and December 21, 2010, for the cover system, the Cap Gas System, the SVE/IBT System, surface and subsurface water drainage systems, security fences, and access roads.

Additionally, the SVE well heads, which are capped with blank tee flanges and are not currently connected to the SVE/IBT System, were inspected and monitored for leaks utilizing a PID calibrated to benzene. These inspections are conducted quarterly and will continue at this frequency throughout the SVE/IBT System's operations (see OM&M Manual, Section 6.2.1).

C2 REM conducted post-rain inspection events on January 19, 2010; January 21, 2010; January 22, 2010; February 8, 2010; October 20, 2010; December 20, 2010; and December 23, 2010, to identify matters of concern and/or areas in need of repair. Post-rain inspection events are conducted following periods of heavy rainfall, defined as every rainfall of 1 inch or greater within a 24-hour period.

The completed inspection forms used during quarterly and post-rain inspection events are presented in Appendix H.

4.1 SUMMARY OF COVER SYSTEM INSPECTION EVENTS

During the cover system inspection events, no unusual or significant settlement, erosion, sediment build-up, slope instability, or shifting were observed. A few areas exhibited some evidence of burrowing animals, slight vegetation stress, and minor vertical cracking, which were tended to during routine site maintenance and/or through ongoing monitoring/observation. The temporary above-ground irrigation system, which was installed in July of 2007 to assist with maintaining the cover system vegetation, has performed well in preventing excessive vegetation die-back. The results of the C2 REM cover system inspection events are presented in Table 12.0. In addition, the cover system is subject to monument elevation measurements to monitor and track historical ground movement and settlement. On March 9, 2010, C2 REM conducted the 2010 monument survey event (see Section 6.0 of this Report for greater detail).

4.2 SUMMARY OF CAP GAS SYSTEM INSPECTION EVENTS

Inspection of the Cap Gas System included observations of the above-ground components including: air intake and outlet collection headers, inlet and outlet valves, hoses and fittings, two 55-gallon carbon canisters, an extraction blower, sampling ports, and a moisture separator canister. The results of the Cap Gas System inspection events are presented in Table 13.0. C2 REM did not observe any significant repair/maintenance issues with the Cap Gas System.

4.3 SUMMARY OF SURFACE AND SUBSURFACE DRAINAGE INSPECTION EVENTS

The concrete-lined drainage swales, catch basins, and drainage culverts were visually inspected by C2 REM to identify the presence of cracks, soil slumping, sediment build-up, separation, and the accumulation of vegetative debris (see Tables 14.0 and 15.0). The results of the surface and subsurface drainage inspection events did not reveal any significant issues with cracking, soil slumping, sediment build-up, separation, or the accumulation of vegetation.

4.4 SUMMARY OF SECURITY FENCE AND ACCESS ROAD INSPECTION EVENTS

Visual inspections of the security fence and gates were performed to identify breaks, settlement damage, loose tension, and corrosion (see Table 16.0). The gravel access road was inspected to identify dispersion of gravel, vegetation overgrowth, and excessive growth. C2 REM did not observe any significant repair issues regarding the access road (see Table 17.0). Breaks, damage, and general signs of deterioration of the perimeter fence were repaired as part of routine maintenance.

4.5 SUMMARY OF SVE/IBT INSPECTION EVENTS

Inspection of the SVE/IBT System included visual assessments of system conditions as well as mechanical assessments on an as-needed basis (see Table 18.0). Visual inspections were conducted on above-ground components and included the following:

- SVE wellheads;
- Ball valves;
- Sampling ports;
- Fittings;
- Carbon absorber vessels;
- Blowers A & B;
- O_2 generator;
- System in-line sensors; and,
- PLC and data recorders.

No significant repairs were made to the SVE/IBT System in 2010. Periodic calibration and maintenance were performed on the in-line sensors. Sensors that needed repair were returned to the manufacturer and re-installed following corrective measures.

5.0 ROUTINE MAINTENANCE

C2 REM conducted routine system maintenance to: 1) assure that the integrity of the completed containment system is maintained; 2) reduce the probability of malfunction; 3) provide a mechanism for early detection of system failures; 4) repair identified system failures; and, 5) ensure the efficient management of OM&M activities (see Appendix B for field daily reports). Repairs of failed and non-functional components of the Phase I and Phase II remedy were conducted pursuant to Section 10.0 of the OM&M Manual.

5.1 COVER SYSTEM

Routine maintenance of the cover system included control of weeds, vegetation (turf height), and burrowing animals. Regularly scheduled mowing of the California grass mix on the cap and the surrounding areas has maintained the required turf height (maximum grass height of 1 foot) and helped control potential fire outbreaks by eliminating the build-up of dry grass thatch. The occurrence of burrowing animals has been regulated via pest control companies in order to prevent damage to the cover system. Stressed vegetation has been addressed with the installation of an above-ground irrigation system, which was routinely operated by C2 REM field staff throughout 2010.

5.2 GAS COLLECTION AND TREATMENT SYSTEM

C2 REM conducted bi-weekly visual observations of the Cap Gas System's above-ground components and on-site system enclosure to identify potential maintenance requirements and/or repairs. C2 REM staff routinely accessed and viewed the PLC viewer to assure that

the mechanical components of the blower motor and control unit were operating as designed to reduce the probability of malfunction.

5.3 SVE/IBT SYSTEM

SVE/IBT components that require routine maintenance and monitoring to ensure proper functioning include inline meters (five O_2, five LEL, five flow/temperature, three temperature, one relative humidity, one pressure sensor, two air-moisture separator level switches, and one effluent PID meters). Also, included in SVE/IBT components are one O_2 generator, two blowers, and four automated check valves. C2 REM performs daily visual confirmation of the functioning and trends of each component through accessing the VNC viewer remotely from the office to assure that these components are operating as designed to reduce the probability of malfunction. C2 REM conducted on-site bi-weekly visual observations of the SVE/IBT System's above-ground components and system enclosure to identify potential maintenance requirements and/or repairs. Routine maintenance items conducted on the SVE/IBT System in 2010 included replacement of sample ports, replacement of the piping insulation, replacement of the PLC touch screen, change-out of carbon, calibration/repair of in-line meters, greasing of the O_2 generator blower, and changing of the O_2 generator belts, and changing of the effluent PID lamp. Additionally, bi-weekly SVE/IBT field monitoring is conducted with field instruments to compare the readings with the in-line meters to assess any significant deviations. Furthermore, C2 REM performs routine calibration of the O_2, LEL, and effluent PID meters to ensure ideal gas ranges are present in each meter.

5.4 SURFACE AND SUBSURFACE DRAINAGE SYSTEMS

As part of the scheduled landscape and maintenance of the site cover system, the surface and subsurface drainage systems were routinely inspected for any cracking, settlement, and/or debris build-up. C2 REM regularly cleaned the surface drainage swales and catch basins of vegetative debris or sediment build-up. Minor caulking repairs were made to v-ditch joints that showed signs of weathering; however, no additional maintenance or repair of the surface and subsurface drainage systems was required in 2010.

5.5 ACCESS ROAD

The gravel access road was routinely inspected for the dispersion of gravel and/or vegetation overgrowth. The access road was regularly cleared of encroaching vegetative material during scheduled landscape maintenance activities. The existing gravel access road was well-maintained and no repair was required in 2010.

5.6 SECURITY AND PERIMETER FENCE

The perimeter fence was routinely inspected for damage as part of the normal property maintenance. C2 REM repaired the broken gate at the rear of the enclosure on January 14, 2010. C2 REM regularly repaired sections of the perimeter fence exhibiting stress or structure damage in 2010.

5.7 ON-SITE TRAILERS AND STORAGE BIN

The on-site trailer and storage bin are routinely inspected for damage and incidents of vandalism. In an effort to further deter individuals from approaching on-site structures and to protect integral remedial system components, new cameras, motion detection sensors, and an alarm system were installed in 2009. C2 REM did not observe any incidents of vandalism on the property in 2010.

6.0 MONUMENT SURVEY EVENT

After completion of the final cover system, eight survey monuments were installed at various locations to monitor ground movement and settlement, and to assess when primary consolidation had been reached. The general location of each survey monument is provided on Figure 2.0.

Based on previous monument survey results that indicated that the cover system has reached primary settlement, the monument survey frequency is every five years. C2 REM conducted the 2010 monument survey event on March 9, 2010. These results were compared to the baseline event in 2000 and the last event conducted in 2005 and the comparison showed the cover system did not undergo any significant settlement or grade adjustments (see Table 19.0). Therefore, the next monument survey event is scheduled for the 1st quarter of 2015.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Following the 11th year of operation of the Phase I remedy (e.g., multilayer cap, soil vapor monitoring probes) and the 4th year of operation of the Phase II remedy (i.e., SVE/IBT System), the Waste Pits OU is in good condition and the implemented remedies are functioning as designed.

Based on the higher concentrations observed at the influent of the Cap Gas System and the increase in frequency of carbon change-outs, C2 REM recommends the frequency of field monitoring of the Cap Gas System be modified from bi-weekly to weekly. The cover system and the other associated systems have performed well during the 11th year of operation, and the required inspection requirements and monitoring frequencies are adequate to assess whether the remedies for the Waste Pits OU are functioning as designed.

The analysis of the collected data indicates that the SVE/IBT System is performing at a level consistent with design parameters. Data collected from the PLC unit, laboratory data, and field data support the overall conclusion that the SVE/IBT System is effective and that biodegradation of on-site COCs is occurring. The current estimate is that the SVE/IBT System is degrading approximately 18.5 (41 lbs) of benzene per calendar day and adsorbing approximately 6.0 (13 lbs) of benzene per operational day. To date, the

SVE/IBT System has removed approximately 40,131 kg (88,236 lbs) of benzene from the Waste Pits OU (approximately 31,246 kg [68,741 lbs] through degradation and approximately 8,885 kg [19,495 lbs] through adsorption to carbon) (see Figure 12.0).

The monitoring results from the SVE/IBT System continue to show an increase in CO_2 concentrations with a decrease in O_2 concentrations. The continuous operation time of the O_2 generator coupled with the continued increase of CO_2 concentrations from 2009 to 2010 are strong indications of an increase in biodegradation and an increase of the microbial population. The frequencies of field monitoring of the SVE/IBT System, lab sample collection, perimeter well monitoring, and full scale monitoring of cluster, vacuum performance, and SVE wells appear appropriate and no modification is proposed. C2 REM will continue to closely monitor the SVE/IBT System to assess and maintain optimal conditions for O_2 utilization.

Additional investigation into SVE/IBT System performance including groundwater monitoring and rebound testing will be proposed during 2011 to assure ROD objectives are being met. A Technical Memorandum will be prepared to describe the performance monitoring procedures and submitted to USEPA for concurrence.

Field monitoring of the SVE/IBT System, laboratory sample collection, perimeter well monitoring and full scale monitoring of cluster, vacuum performance and SVE wells will continue on the current schedule until the performance monitoring warrants their modifications or interruption.

Regularly scheduled maintenance and inspection activities have assisted in the early identification of possible repair issues with limited system operation interruption. Issues requiring action were quickly identified, assessed, and rectified in 2010. C2 REM will continue to closely monitor the Phase I and II remedy components in 2011 during routine and non-routine inspections.

Further inspections and monitoring activities for 2011 shall be conducted in accordance with the schedule provided in Table 20.0.

8.0 REFERENCES

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Table 1.0
2010 Cap Gas System Monitoring Results
Del Amo Waste Pits

Date	VOCs (ppm)				Temperature (°F)		Flow (scfm)		Lead Vessel Efficiency	System Efficiency
	Influent	Effluent Lead Carbon Vessel	Effluent Secondary Carbon Vessel	Effluent	Influent	Effluent	Influent	Effluent		
1/14/2010	0.3	0.3	0.1	0.1	84.5	112	143.5	162.5	0.0%	67%
1/28/2010	0.4	0.2	0	0	72	110	142.5	174.5	50.0%	100%
2/10/2010	0.4	0.3	0.1	0.1	60	100	125	165	25.0%	75%
2/24/2010	1.5	0.1	0.1	0.1	62	110	144	182	93.3%	93%
3/11/2010	10.8	1.8	1.7	0.8	64	118	150	175	83.3%	93%
3/29/2010	20.7	0.2	0.1	0.1	65	123	145	160	99.0%	100%
4/8/2010	18.7	2.7	1.9	0.2	90	125	140	160	85.6%	99%
4/22/2010	33.1	22	5.9	0.2	66	112	145	165	33.5%	99%
5/7/2010	17.6	16.4	0.3	0.7	74	129	153	166	6.8%	96%
5/20/2010	21	36	9.4	9.8	76	126	155	160	0.0%	53%
6/1/2010	19.8	0.9	1.4	0.4	76	131	148	157	95.5%	98%
6/4/2010	7.6	0.1	0.2	0.1	80	130	140	151	98.7%	99%
6/18/2010	16.5	12	0.4	0.2	82	137	146	162	27.3%	99%
6/21/2010	19.5	12	0.2	0.1	82	135	140	165	38.5%	99%
6/29/2010	18.9	0.1	0	0	81	138	135	155	99.5%	100%
6/30/2010	13.4	3.2	0	0	81.5	138	130	155	76.1%	100%
7/1/2010	11.9	4.4	0.2	0.2	80	140	139	150	63.0%	98%
7/6/2010	9	0.1	0.1	0	80	130	135	152	98.9%	100%
7/15/2010	11.1	1.2	0	0.2	85	145	130	152	89.2%	98%
7/29/2010	17.5	2.5	0.3	0	81	137	128	165	85.7%	100%
8/12/2010	18.9	0.1	0	0.1	83	137	142	155	99.5%	99%
8/18/2010	37.3	2.8	*	0.5	95	132	140	158	92.5%	99%
8/25/2010	21	1.9	2.1	0.1	86.4	124	138	162	91.0%	100%
8/30/2010	17.6	0.1	0.1	0.1	82	140	154	162	99.4%	99%
9/7/2010	16.4	0	0	0	*	*	*	*	100.0%	100%
9/9/2010	12.7	1.4	0.1	0	80	130	135	165	89.0%	100%
9/22/2010	19	45	0.2	0	75	120	135	165	0.0%	100%
10/4/2010	10.2	2.2	0.5	0.4	75	117	145	165	78.4%	96%
10/8/2010	40	44	1.6	0.8	76	130	143	165	0.0%	98%
10/12/2010	15.8	8.3	2.7	0.4	72	130	140	150	47.5%	97%
10/18/2010	8.6	0.1	0.1	0.1	*	*	*	*	98.8%	99%
10/21/2010	9.3	0.1	0.1	0	71	119	141	164	98.9%	100%
11/1/2010	2.8	0.4	0	0	73	132	135	175	85.7%	100%
11/4/2010	20.2	1.3	0.2	0.1	94.8	127	134	167	93.6%	100%
11/9/2010	5.3	2	0.1	0.1	70	120	151	170	62.3%	98%
11/15/2010	11.5	8.9	0.2	0.1	84.6	120	140	170	22.6%	99%
11/19/2010	1	0	0	0	72	107	141	169	100.0%	100%
11/24/2010	21.3	0.2	0.1	0.1	68	110	145	165	99.1%	100%
11/30/2010	9.2	0.9	0.7	0.1	75	113	147	186	90.2%	99%
12/6/2010	8.7	0.1	0.1	0.1	69	110	148	181	98.9%	99%
12/13/2010	23	3.7	5.7	0.2	83	112	142	183	83.9%	99%
12/15/2010	28.6	0.4	0.2	0.1	67.1	102	152	172	98.6%	100%
12/23/2010	11.9	3.2	0.6	0.4	76.3	107.5	151	178	73.1%	97%
12/27/2010	3.4	3.8	0.5	0	77	105	145	185	0.0%	100%

* Not Recorded

Table 2.0
2010 Cap Gas System Laboratory Confirmation Results
Del Amo Waste Pits

Sample ID	Acetone	Benzene	Chloroethane	Chloroform	Dichlorodifluoromethane	Ethylbenzene	Toluene	Trichloroethene	Trichlorofluoromethane	Xylenes (total)
System Influent	ND	21	0.022	ND	ND	0.078	0.011	ND	ND	ND
System Influent (Duplicate)	ND	23	0.023	ND	ND	0.081	0.011	ND	ND	ND
Effluent Lead Carbon Vessel	ND	2.4	0.032	0.0037	0.00092	ND	0.0016	ND	0.0031	ND
Effluent Secondary Carbon Vessel	0.0043	0.0028	0.034	ND	0.0011	ND	0.0015	ND	ND	ND
System Effluent	0.0046	ND	0.035	ND	0.0011	ND	0.0024	0.0015	ND	0.0058

unit = ppm
ND = Analyte "Not Detected" at or above reporting limit.

Table 3.0
Laboratory Data Summary for SVE/IBT System
Del Amo Waste Pits

Date	Sample ID	Benzene (ppm)	Oxygen (%)	Carbon Dioxide (%)	Nitrogen (%)
1/28/2010	Inlet	14000 (15000)	11 (11)	18 (18)	71 (71)
2/24/2010	Inlet	14000 (18000)	8.8 (8.7)	18 (19)	73 (73)
3/29/2010	Inlet	5000 (21000)	9 (9.4)	18 (17)	73 (74)
4/22/2010	Inlet	27000 (16000)	9.2 (9.1)	18 (18)	73 (73)
5/20/2010	Inlet	14000 (20000)	9 (8.6)	18 (19)	73 (73)
6/18/2010	Inlet	20000 (12000)	8.2 (8.2)	19 (19)	73 (73)
7/15/2010	Inlet	15000	8.5	19	72
8/12/2010	Inlet	16000	8.4	19	72
9/9/2010	Inlet	4900	12	13	75
10/12/2010	Inlet	12000	7.1	19	74
11/4/2010	Inlet	11000	7.6	19	73
12/15/2010	Inlet	6300	7.5	19	74
1/28/2010	Post Ambient Air	1800	21	1.9	78
2/24/2010	Post Ambient Air	1800	20	2.1	77
3/29/2010	Post Ambient Air	3100	20	2.3	78
4/22/2010	Post Ambient Air	2300	20	2.6	77
5/20/2010	Post Ambient Air	3400	20	2.4	78
6/18/2010	Post Ambient Air	3000	20	2.9	77
7/15/2010	Post Ambient Air	3000 (2800)	20 (20)	2.9 (2.9)	77 (77)
8/12/2010	Post Ambient Air	1500 (1400)	20 (20)	2.1 (2.0)	78 (78)
9/9/2010	Post Ambient Air	2800 (2700)	20 (20)	2.3 (2.3)	78 (78)
10/12/2010	Post Ambient Air	1100 (1200)	20 (20)	2.4 (2.6)	78 (78)
11/4/2010	Post Ambient Air	2400 (2400)	20 (20)	2.7 (2.8)	78 (78)
12/15/2010	Post Ambient Air	1400 (2300)	20 (20)	2.3 (2.3)	78 (78)
1/28/2010	Carbon 1	2000	21	2.1	77
2/24/2010	Carbon 1	ND	20	2.1	78
3/29/2010	Carbon 1	ND	21	1.3	78
4/22/2010	Carbon 1	1700	20	2.4	77
5/20/2010	Carbon 1	ND	20	2.1	78
6/18/2010	Carbon 1	ND	20	2.8	77
7/15/2010	Carbon 1	3700	20	2.8	77
8/12/2010	Carbon 1	180	20	2.1	78
9/9/2010	Carbon 1	ND	20	1.8	78
10/12/2010	Carbon 1	ND	20	2.4	78
11/4/2010	Carbon 1	3100	20	2.6	77
12/15/2010	Carbon 1	ND	20	2.4	77
1/28/2010	Effluent	ND	21	2.2	77
2/24/2010	Effluent	ND	20	2.3	77
3/29/2010	Effluent	ND	21	1.2	78
4/22/2010	Effluent	ND	20	2.4	78
5/20/2010	Effluent	ND	20	2.6	78
6/18/2010	Effluent	ND	20	2.7	78
7/15/2010	Effluent	ND	20	3	77
8/12/2010	Effluent	ND	20	2.2	78
9/9/2010	Effluent	ND	20	2.7	77
10/12/2010	Effluent	ND	20	2.5	78
11/4/2010	Effluent	ND	20	2.7	77
12/15/2010	Effluent	ND	20	2.5	77

ND: Analyte not detected at or above the reporting limit of 1.6 ppm
( ): Dupicate sample result

Table 4.0
Field Data Summary for Quarterly Cluster Well Monitoring Events
Del Amo Waste Pits

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	A"1	-0.08	16.1	1.2	0.9
2nd	A"1	-0.14	19.2	2	24
3rd	A"1	-0.15	19	2	0
4th	A"1	-0.1	20.2	1.2	0
1st	A"2	-0.2	20.2	0.2	0
2nd	A"2	-0.2	20.9	0.4	26.1
3rd	A"2	-0.2	20.9	0	19
4th	A"2	-0.25	20.9	0	0.1
1st	A"3	-0.06	20.6	0	0
2nd	A"3	-0.1	20.9	0	79
3rd	A"3	-0.1	20.9	0	1.6
4th	A"3	-0.05	20.9	0	25
1st	B"1	1.25	7.9	31	>15000
2nd	B"1	1.1	6.5	31	>15000
3rd	B"1	1.25	2.7	29.6	>15000
4th	B"1	1.15	3.9	37.4	>15000
1st	B"2	0	12	25.2	>15000
2nd	B"2	0.35	13.9	18.6	>15000
3rd	B"2	0.45	5.8	24.4	4200
4th	B"2	0.3	11	25.8	8000
1st	B"3	0.9	8.3	30	>15000
2nd	B"3	0.65	8.5	27.2	>15000
3rd	B"3	0.85	3.9	27	4000
4th	B"3	0.73	6.8	31.4	>15000
1st	C"1	-0.5	20.9	0	36
2nd	C"1	-0.7	20.9	0	22.3
3rd	C"1	-0.45	20.4	0	197
4th	C"1	-0.4	20.9	0	54.7
1st	C"2	-0.3	17.5	2.2	>15000
2nd	C"2	-0.3	14.7	5.4	>15000
3rd	C"2	-0.1	14.5	5.4	1500
4th	C"2	-0.1	15.8	5	62
1st	C"3	-0.3	15	5.2	>15000
2nd	C"3	-0.35	20.6	0.4	42
3rd	C"3	-0.1	20.6	0.2	>15000
4th	C"3	0	20.9	0	25
1st	D"1	-1.2	1.8	19.8	>15000
2nd	D"1	-1.05	1.2	18.4	>15000
3rd	D"1	-0.6	3.1	17.2	>15000
4th	D"1	-0.65	4.5	16.8	>15000

Table 4.0
Field Data Summary for Quarterly Cluster Well Monitoring Events
Del Amo Waste Pits

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	D"2	-0.3	10.7	10	16.3
2nd	D"2	-0.05	20.9	0	42
3rd	D"2	-0.2	12	7.8	1900
4th	D"2	0	20.9	0	2.8
1st	D"3	-0.35	9.7	9	>15000
2nd	D"3	-0.6	8.6	9.2	>15000
3rd	D"3	-0.65	12	8	2000
4th	D"3	-0.55	12.5	7.6	2850
1st	E"1	-0.05	20.6	0	0
2nd	E"1	-0.95	20.9	0	13.6
3rd	E"1	0	20.9	0	0
4th	E"1	0	20.9	0.8	0.1
1st	E"2	-0.02	13.5	1	0.5
2nd	E"2	-0.05	20.2	1.4	3.8
3rd	E"2	0	18	2.2	0
4th	E"2	-0.05	20.2	0	0.1
1st	E"3	-0.04	20.4	0	0
2nd	E"3	-0.2	20.9	0	0.3
3rd	E"3	0	20.9	0	0
4th	E"3	-0.05	20.9	0	0.1
1st	F"1	-0.15	20.9	0	1
2nd	F"1	-0.15	20.9	0	0.9
3rd	F"1	0	20.9	0	14
4th	F"1	0	0.5	8	0.3
1st	F"2	-0.1	20.9	0	2.6
2nd	F"2	-0.1	20.9	0	41.5
3rd	F"2	0	20.9	0	25.7
4th	F"2	0	20.9	0	2.3
1st	F"3	0	20.9	0.8	2.8
2nd	F"3	-0.1	20.9	0	11
3rd	F"3	0	20.9	0	25.7
4th	F"3	0	20.9	0	8
1st	G"1	0	15.7	4	1.2
2nd	G"1	0	16	3.6	15.7
3rd	G"1	0	15.6	3.8	0
4th	G"1	-0.05	15.5	4	0.1
1st	G"2	0	20.5	0	0
2nd	G"2	-0.06	19.1	1.4	0.7
3rd	G"2	0	19.4	0	0
4th	G"2	-0.05	20.8	0.6	0

Table 4.0
Field Data Summary for Quarterly Cluster Well Monitoring Events
Del Amo Waste Pits

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	G"3	-0.1	17.1	0.4	0.2
2nd	G"3	-0.04	19.3	1.8	10
3rd	G"3	0	18.8	2.2	0.1
4th	G"3	0	20.9	0	0.1
1st	H"1	0	20.9	0	2.5
2nd	H"1	-0.56	20.9	0	3.2
3rd	H"1	0	20.9	0	55
4th	H"1	0	20.9	0	0.1
1st	H"2	-0.3	20.9	0	2.1
2nd	H"2	0	20.9	0	8.3
3rd	H"2	0	20.9	0	72
4th	H"2	0	20.9	0	0.2
1st	H"3	-0.15	9.5	8.6	2
2nd	H"3	-0.12	11.3	7.4	0.7
3rd	H"3	0	11.7	7.8	>15000
4th	H"3	0	11.5	7.4	0
1st	I"1	-0.2	0	18.4	>15000
2nd	I"1	-0.34	0	16.8	943
3rd	I"1	-0.5	0	18	>15000
4th	I"1	0	0.8	17	158.4
1st	I"2	0	20.9	0	1.4
2nd	I"2	-0.12	20.9	0	2.4
3rd	I"2	0	20.9	0	0.6
4th	I"2	0	20.9	0	0.3
1st	I"3	-0.2	2.2	14.4	12.4
2nd	I"3	-0.2	18.1	1.6	6.6
3rd	I"3	0	3	13.6	67
4th	I"3	0	20.9	0	1.3
1st	J"1	-0.1	20.9	0	2
2nd	J"1	-0.16	20.9	0	2.9
3rd	J"1	0	20.9	0	23.8
4th	J"1	0	20.9	0	6
1st	J"2	-0.1	20.9	0	3.2
2nd	J"2	-0.12	20.9	0	2
3rd	J"2	0	20.9	0	16.5
4th	J"2	0	20.9	0	4.9
1st	J"3	-0.35	6.2	14.4	0.7
2nd	J"3	-0.18	11.4	8.4	10.8
3rd	J"3	0	8.1	12.4	37
4th	J"3	0	10.8	9.6	0.2

Table 4.0
Field Data Summary for Quarterly Cluster Well Monitoring Events
Del Amo Waste Pits

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	K"1	-0.06	18.2	2.6	4.6
2nd	K"1	-0.06	18.8	2	63
3rd	K"1	0	19.4	1.4	32
4th	K"1	0	20.9	0	91.5
1st	K"2	-0.1	8.1	14	6.9
2nd	K"2	-0.2	9.6	11.6	6.3
3rd	K"2	-0.15	11	10.6	19.1
4th	K"2	-0.5	11.1	10.6	12
1st	K"3	0	20.7	0	15
2nd	K"3	-0.04	20.9	0	8
3rd	K"3	0	20.9	0	29
4th	K"3	0	20.9	0	20
1st	L"1	*	9.4	17	>15000
2nd	L"1	1.4	5.5	25.8	12000
3rd	L"1	1.15	4.8	25.8	12700
4th	L"1	1.3	3.9	30.4	6569
1st	L"2	*	5.7	25.4	>15000
2nd	L"2	0.55	4.8	27.4	>15000
3rd	L"2	1.75	2.8	20.6	>15000
4th	L"2	0.05	4.2	29.2	13439
1st	L"3	*	15.9	7.2	101
2nd	L"3	0.65	20.9	0.4	13500
3rd	L"3	0.45	20.9	0	1000
4th	L"3	0.25	20.6	0	5486
1st	M"1	-0.2	11.7	9.6	90
2nd	M"1	-0.15	11.7	10.4	55.9
3rd	M"1	-0.2	12.3	10.4	31.2
4th	M"1	-0.05	12.3	12	92.5
1st	M"2	-0.26	8.1	18.6	4.2
2nd	M"2	-0.25	7.1	20.4	5.8
3rd	M"2	-0.25	7.2	21.8	0
4th	M"2	-0.15	8.1	22.4	44.4
1st	M"3	0	20.9	0	40
2nd	M"3	0	20.9	0	6
3rd	M"3	-0.05	20.9	0	2.7
4th	M"3	0	20.9	0	84.4

* Not Recorded

Table 5.0
Field Data Summary for Quarterly Vacuum Performance Well Monitoring Events
Del Amo Waste Pits

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	A'	-0.76	6.2	19.2	>15000
2nd	A'	-0.75	20.9	0.2	28.4
3rd	A'	-0.6	6.1	18.2	13025
4th	A'	-0.6	5.6	19.4	5700
1st	B'	0	1.8	37.2	51.4
2nd	B'	0	2	31.8	152
3rd	B'	0	1.4	35	591
4th	B'	-0.05	7.8	23	2300
1st	C'	1.1	4.7	31.2	>15000
2nd	C'	1.1	3.3	29.6	>15000
3rd	C'	1.2	1.6	30.6	9200
4th	C'	0	2.9	32.8	>15000
1st	D'	-0.45	0	22.2	>15000
2nd	D'	-0.4	0.4	19.8	>15000
3rd	D'	-0.2	0	18.2	>15000
4th	D'	-0.3	0.6	8.8	>15000
1st	E'	-0.3	6.8	12.8	2.8
2nd	E'	-0.2	5.3	12.6	3.1
3rd	E'	-0.5	11.7	6.6	3.9
4th	E'	0	13.7	5.2	0.5
1st	F'	-0.5	8.4	13.2	1.9
2nd	F'	-0.45	13.3	7.6	7.8
3rd	F'	-0.25	10.2	11	3.2
4th	F'	-0.1	13.9	6.8	0.4
1st	G'	-0.2	5.3	15.8	3.2
2nd	G'	-0.2	4.8	14.6	2.4
3rd	G'	-0.5	4.6	15.8	11.5
4th	G'	0	4.5	15.4	0.6
1st	H'	-0.15	13.7	8.6	3.4
2nd	H'	-0.1	14	6.6	2.1
3rd	H'	0	13.7	7.8	13.3
4th	H'	0	13.5	7.8	0.2
1st	I'	0	1.1	3.8	>15000
2nd	I'	-0.2	1.1	3.6	>15000
3rd	I'	0	0.8	3.8	>15000
4th	I'	0	1.8	3.2	>15000
1st	J'	-0.1	18.6	1.8	0.5
2nd	J'	-0.2	18.3	2	9.7
3rd	J'	0	18.8	1.6	44
4th	J'	0	20.9	0	0.7

Table 5.0
Field Data Summary for Quarterly Vacuum Performance Well Monitoring Events
Del Amo Waste Pits

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	K'	-0.4	5.2	13	5.4
2nd	K'	-0.2	10.9	8	1.5
3rd	K'	0	11.4	7.4	33
4th	K'	0	11.5	7.2	0.5
1st	L'	-0.25	10.7	10	3.3
2nd	L'	-0.3	20.9	0	3.2
3rd	L'	-0.1	20.9	0	1.5
4th	L'	-0.75	13.2	8.2	1.7
1st	M'	0	5.5	23.6	>15000
2nd	M'	-0.08	4.4	26.2	>15000
3rd	M'	0	5	27.2	>15000
4th	M'	0	6.9	25.2	>15000
1st	N'	0.5	11.9	22.8	>15000
2nd	N'	-0.5	15.5	9.4	>15000
3rd	N'	0.4	5.8	24	>15000
4th	N'	0.25	8.7	22.2	1141

Table 6.0
SVE/IBT System ROI Calculations
Del Amo Waste Pits

Monitoring Well	P_{atm}	P_w (in Hg)	P_w (in H_2O) [1]	P_w (atm)	P_r (in H_2O) [1]	P_r (atm)	R_w (ft)	r (ft)	ROI (ft)
20a - J'	1	0.0	-27.00	1.066329	-0.075	1.000184	0.17	50.44	51.22

$(P^2_r - P^2_w) = (P^2_{atm} - P^2_w)*\{\ln(r/R_w)/\ln(ROI/R_w)\}$

$(P^2_r - P^2_w)/(P^2_{atm} - P^2_w) = \ln(r/R_w)/\ln(ROI/R_w)$

$\ln(ROI/R_w) = \ln(r/R_w)*(P^2_{atm} - P^2_w)/(P^2_r - P^2_w)$

$ROI/R_w = EXP\{\ln(r/R_w)*(P^2_{atm} - P^2_w)/(P^2_r - P^2_w)\}$

$ROI = R_w*EXP\{\ln(r/R_w)*(P^2_{atm} - P^2_w)/(P^2_r - P^2_w)\}$

P_{atm} = atmospheric pressure or a preset value

P_w = pressure at the vapor extraction well

P_r = pressure at a radial distance r from the vapor extraction well

r = radial distance from the vapor extraction well

R_w = well radius of the vapor extraction well

ROI = radius of influence where pressure is equal to preset value

[1] Pressure measurements are average of quarterly field monitoring events (January 1, 2010 - December 31, 2010)

Table 7.0
Field Data Summary for Quarterly SVE Well Monitoring Events
Del Amo Waste Pits

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	SVE 1 *	-24	12	8	>15000
2nd	SVE 1 *	-18	11.6	7.4	>15000
3rd	SVE 1 *	-19	12.3	7.6	>15000
4th	SVE 1 *	-29	12.3	7.2	>15000
1st	SVE 2 *	-6	4.4	37.4	>15000
2nd	SVE 2 *	-5	4.4	33.4	13500
3rd	SVE 2 *	-4	2.1	32.2	>15000
4th	SVE 2 *	-2	2.8	35.4	>15000
1st	SVE 3 +	6	4	37	>15000
2nd	SVE 3 +	6	5.7	33	>15000
3rd	SVE 3 +	5	3.5	33.8	>15000
4th	SVE 3 +	4	5.9	32	>15000
1st	SVE 4 +	10	4.7	33	>15000
2nd	SVE 4 +	10	5.6	30.8	>15000
3rd	SVE 4 +	10	2.7	33	>15000
4th	SVE 4 +	8	4.8	33	10000
1st	SVE 5 *	-6	4.4	32.4	>15000
2nd	SVE 5 *	-8	4	32	5000
3rd	SVE 5 *	-10	1.6	31.6	>15000
4th	SVE 5 *	-9	3.6	32.6	>15000
1st	SVE 6 *	-24	7.6	11.2	14785
2nd	SVE 6 *	-22	8.7	9.2	11200
3rd	SVE 6 *	-20	9.7	8.8	>15000
4th	SVE 6 *	-20	9.7	8.4	>15000
1st	SVE 7 *	-8	6.2	24.2	7200
2nd	SVE 7 *	-10	6.8	21	12261
3rd	SVE 7 *	-9	4.1	22.8	>15000
4th	SVE 7 *	-8	5.1	23.8	>15000
1st	SVE 8 +	12	7.6	27	11000
2nd	SVE 8 +	10	7	27.8	>15000
3rd	SVE 8 +	10	5	29	>15000
4th	SVE 8 +	10	4.3	31.8	12800
1st	SVE 9 +	8	5.6	29.8	9060
2nd	SVE 9 +	8	6	28.4	>15000
3rd	SVE 9 +	8	3.7	30.2	>15000
4th	SVE 9 +	6	6	29.2	13800
1st	SVE 10 *	-22	8.4	21.2	>15000
2nd	SVE 10 *	-22	7.3	22.4	>15000
3rd	SVE 10 *	-22	4.5	23.6	>15000
4th	SVE 10 *	-25	6	24	13000

+ Injection Location
* Extraction Location

Table 7.0
Field Data Summary for Quarterly SVE Well Monitoring Events
Del Amo Waste Pits

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	SVE 11 *	-7	0.1	43.2	>15000
2nd	SVE 11 *	-8	0.4	41.4	>15000
3rd	SVE 11 *	-6	0	37.8	>15000
4th	SVE 11 *	-5	0.4	41.6	>15000
1st	SVE 12 *	-22	9.6	21	7322
2nd	SVE 12 *	-12	10	19.4	>15000
3rd	SVE 12 *	-25	9.1	18.8	>15000
4th	SVE 12 *	-14	11.7	15.2	10500
1st	SVE 13	-0.35	3.9	2	>15000
2nd	SVE 13	-0.42	4.4	1.8	>15000
3rd	SVE 13	-0.25	4	2	>15000
4th	SVE 13	0	20.9	0	4
1st	SVE 14	-0.45	2.9	18	882
2nd	SVE 14	-0.35	5	13.6	572
3rd	SVE 14	0	3.3	16.2	358
4th	SVE 14	0	4.2	14	791
1st	SVE 15A	-0.4	8.7	8.8	278
2nd	SVE 15A	-0.35	0.1	15.8	1272
3rd	SVE 15A	-0.1	0	16	>15000
4th	SVE 15A	0	0.1	14.6	1689
1st	SVE 15B	-0.25	5.8	16.8	59.8
2nd	SVE 15B	-0.25	5.6	15	50.4
3rd	SVE 15B	-0.5	4.1	17.2	32
4th	SVE 15B	0	3.8	15.6	17.2
1st	SVE 16	-0.2	0	16.6	9605
2nd	SVE 16	-0.3	3.5	12	1343
3rd	SVE 16	-0.5	0	16.6	>15000
4th	SVE 16	0	10.2	6.8	811
1st	SVE 17	-0.25	2.2	17	10.2
2nd	SVE 17	-0.25	2.1	16.2	3.8
3rd	SVE 17	-0.5	2.4	16.2	12
4th	SVE 17	0	2.5	14.8	2.7
1st	SVE 18	-0.2	12	11.2	190
2nd	SVE 18	-0.2	11.4	10.4	3.5
3rd	SVE 18	0	10.9	10.4	214
4th	SVE 18	0	11	9.2	0.4
1st	SVE 19	-0.15	0.1	18.6	133
2nd	SVE 19	-0.2	0.8	16.2	263
3rd	SVE 19	0	1.4	17	391
4th	SVE 19	0	1.2	15.4	200

+ Injection Location
* Extraction Location

Table 7.0
Field Data Summary for Quarterly SVE Well Monitoring Events
Del Amo Waste Pits

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	SVE 20A *	-22	3.2	15.4	48
2nd	SVE 20A *	-24	5.4	12.4	1030
3rd	SVE 20A *	-26	5.1	13.2	>15000
4th	SVE 20A *	-36	4.7	12.6	850
1st	SVE 20B	-0.3	0	18.4	8267
2nd	SVE 20B	-0.34	0.4	17.6	2358
3rd	SVE 20B	-0.15	0.5	18.2	>15000
4th	SVE 20B	0	1.2	15.2	2044
1st	SVE 21	-0.3	5	16	453
2nd	SVE 21	-0.3	6.3	13.6	421
3rd	SVE 21	0	8.9	11	253
4th	SVE 21	0	5.1	14.4	516

+ Injection Location
* Extraction Location

Table 8.0
Field Data Summary for Monthly and Quarterly Perimeter Well Monitoring Events
Del Amo Waste Pits

Date	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1/28/2010	A	-0.05	19.4	1.6	0
2/24/2010	A	-0.05	19.4	1.2	0
3/3/2010	A	-0.08	18.3	1.8	0
4/22/2010	A	-0.1	19	1.8	0
5/25/2010	A	-0.04	20.3	0.8	0
6/16/2010	A	-0.1	20.3	0.6	0
7/15/2010	A	-0.04	20.1	0.4	0
8/12/2010	A	-0.06	20.5	0.4	0
9/20/2010	A	-0.15	20	1	0
10/21/2010	A	-0.05	20.6	1	1.4
11/17/2010	A	-0.05	18.9	1.8	0.9
12/1/2010	A	-0.05	20.3	0.8	0.1
1/28/2010	B	-0.1	12.2	10.8	0.1
2/24/2010	B	-0.1	10.5	12.2	0
3/3/2010	B	0	9.6	12.8	3.1
4/22/2010	B	-0.05	10.4	13	5
5/25/2010	B	*	*	*	*
6/16/2010	B	0	12.7	12	26.5
7/15/2010	B	-0.03	12.2	12	10.5
8/12/2010	B	-0.03	12.3	12.6	22.3
9/20/2010	B	0	18.1	5.4	36
9/28/2010	B	*	*	*	24.4
10/21/2010	B	-0.02	11.8	15.4	13.3
11/17/2010	B	-0.05	11.3	15.2	5.4
12/1/2010	B	0	12.4	13.4	18.2
1/28/2010	C	-0.1	11.1	12.6	0
2/24/2010	C	0	8.1	13.8	0
3/3/2010	C	-0.02	7.8	12.8	2.2
4/22/2010	C	-0.05	3.5	16.6	1.8
5/25/2010	C	0	3.6	17.6	12
6/16/2010	C	0	3.8	18.2	0
7/15/2010	C	-0.02	5	18.4	0.2
8/12/2010	C	0.05	7.4	18	0.1
9/20/2010	C	0	7.4	20	0.2
10/21/2010	C	-0.05	6.7	24	0.5
11/17/2010	C	-0.02	6.4	23.6	0
12/1/2010	C	-0.05	8.4	20.4	0.6
1/28/2010	D	-0.05	15.8	4.4	0
2/24/2010	D	0	20.2	0.8	0
3/3/2010	D	-0.04	18.5	2.4	0
4/22/2010	D	-0.05	15	4.8	0

Table 8.0
Field Data Summary for Monthly and Quarterly Perimeter Well Monitoring Events
Del Amo Waste Pits

Date	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
5/25/2010	D	-0.05	14.2	5.2	2.9
6/16/2010	D	-0.1	15	5	0
7/15/2010	D	-0.04	13.3	6.6	0.1
8/12/2010	D	0	11.2	9	0.5
9/20/2010	D	0	10.6	11.4	0
10/21/2010	D	-0.02	10.5	13	0.2
11/17/2010	D	-0.05	10.7	12	0
12/1/2010	D	-0.05	11.8	10.8	0
3/3/2010	E	-0.04	14.4	4	0.6
6/16/2010	E	0	16.7	4.2	0
9/20/2010	E	0	16.5	4.2	0
12/1/2010	E	-0.05	16.8	4.2	0.3
3/3/2010	F	0	14.2	3.6	0.8
6/16/2010	F	-0.06	16.9	3.8	0
9/20/2010	F	0	17.3	3.8	0
12/1/2010	F	0	17.6	3.6	0
3/3/2010	G	0	15.3	1.8	0.9
6/16/2010	G	0	18.4	2.4	0
9/20/2010	G	0	18.7	2.6	0
12/1/2010	G	0	18.8	2.4	2.8
1/28/2010	H	-0.1	17.2	3.6	0.1
2/24/2010	H	-0.01	16.1	3.6	0
3/3/2010	H	0	15.9	3.6	1.6
4/22/2010	H	-0.02	15	3.8	2.1
5/25/2010	H	0.02	17.6	2.6	4.4
6/16/2010	H	0	17.5	3.4	0
7/15/2010	H	-0.03	18.3	2.8	0
8/12/2010	H	0.1	17.8	3	0
9/20/2010	H	0	17.8	3.8	0
9/28/2010	H	*	*	*	5.2
10/21/2010	H	-0.01	17.7	3.8	0
11/17/2010	H	0	17.2	4	0
12/1/2010	H	0	17.8	3.6	0
3/3/2010	I	-0.04	17.5	1.6	0.1
6/16/2010	I	-0.08	19.4	1.8	0.1
9/20/2010	I	0	20.2	1.2	0.3
12/1/2010	I	-0.05	20.6	0.8	0
3/3/2010	J	-0.25	17.4	2.4	0
6/16/2010	J	0	18.5	2.6	0
9/20/2010	J	0	19.2	2.4	0
12/1/2010	J	0	19.7	1.8	0.3

Table 8.0
Field Data Summary for Monthly and Quarterly Perimeter Well Monitoring Events
Del Amo Waste Pits

Date	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
3/3/2010	K	0	17.2	1.4	0
6/16/2010	K	-0.05	19	2.4	0.2
9/20/2010	K	0	19.4	2	0
12/1/2010	K	0	19.9	1.6	0
3/3/2010	L	-0.02	8.4	5.8	0.2
6/16/2010	L	-0.04	11.8	8.6	0.1
9/20/2010	L	0	14.5	6.4	0.3
12/1/2010	L	0	15.7	5.4	0.1

* Not Recorded

Table 9.0
2010 SVE/IBT System Operation Efficiency
Del Amo Waste Pits

Jan-Dec 2010	Time (in hours)
Operation Hours *	2088
Actual Hours	1766
Down Time	322
Carbon Change-Out	68
Monitoring	41
System Maintenance	213
Operation Efficiency	85%

* Assuming 8 hours/day, Monday - Friday

Table 10.0
2010 SVE/IBT System Operation Summary
Comparison of Design to Actual Operations
Del Amo Waste Pits

Parameter	Original Design	Performance Based on Inline Monitoring Devices
Vapor Injection Rate (CFM)	50	44.5
System Operation Time (hours per day)*	8	8
O2 Injection Rate (CFM)	5	5
O2 Percentage (%)	100%	91%
O2 Utilization 1st Order Rate Constant (1/hr) **	0.0021	0.0021
Extracted Vapor Concentration (ppmv)	15,000	15,076
Extraction Rate (CFM) ***	60	48.5
Treatment Rate (CFM)	15	9
Time for Pore Volume (days)	7.09	7.96
Injected O2 Concentration 1st Order	27%	26%
Benzene Degradation (kg/day)	**20**	**18.5**
Benzene Degradation (kg/year)	7,355	6,769
Benzene Removal (kg/day)	**10**	**6.0**
Benzene Removal (kg/year)	3,626	1,322
Total Benzene Removed/Degraded (kg/day)	**30**	**25**
Total Benzene Removed/Degraded (kg/year)	10,981	8,092
Carbon to Benzene Ratio ****	4:1	6:1
Projected Carbon Required (kg/day)	40	36
Actual Carbon Required (kg/year)	**-**	**8,299**

* Normal operation is 8 hours/day, Monday-Friday, 9:00 am - 4:00 pm
** 0.0021 of design value was used for oxygen utilization constant.
*** Extraction rate is derived from the sum of the treatment rate and the recycle rate.
**** Benzene to carbon ratio for the 2010 monitoring period is based on actual weight adsorbed to carbon (See Table 11.0)

The calculation used for this estimate

Q = (O2 Injection rate + Recycle rate)
$[O_2]$ = (Term1*0.20+Term2*0.91)/{1-Term3*Exp(-k*t_{pv})}
ή = 1-Exp(-k*t_{pv})
f_{bio} = 1-(0.0035/k)

Term1 = (Recycle rate)/Q*(Excess Vapor Extraction rate)/(Treatment rate + Recycle rate)
Term2 =O2 injection rate/Q
Term3 = Recycle rate/(Treatment rate + Recycle rate)
t_{pv} (Time for Pore Volume) = 8505/Q
k = 0.0021

[Benzene] = 22725

Mass Degraded = Q*$[O_2]$* ή* f_{bio}* 5.8864
Mass Treated = Treatment rate *[Benzene]*0.000044148
Mass Total = Mass Degraded + Mass Treated

Table 11.0
2010 Carbon Change-Out - SVE/IBT System
Del Amo Waste Pits

Date	Operational Hours Between Change-outs	Fresh Carbon (kg)			Spent Carbon (kg)			Weight Adsorbed (kg)			Ratio
		Primary	Secondary	Total	Primary	Secondary	Total	Primary	Secondary	Total	
12/28/2009	189.25	907	907	1814	1119	1085	2205	212	178	391	5.65
2/8/2010	211	907	936	1843	1116	1075	2191	209	139	348	6.30
3/23/2010	205	939	934	1873	1141	1098	2239	202	163	365	6.13
5/7/2010	213	955	953	1908	1138	1120	2258	183	167	350	6.45
6/17/2010	182	921	930	1851	1129	1119	2248	207	189	396	5.67
7/26/2010	193	907	907	1814	1153	1003	2156	246	96	342	6.31
9/1/2010	189	925	931	1856	1123	1107	2229	197	176	373	5.97
10/8/2010	225	930	930	1860	1157	1064	2221	227	134	362	6.14
11/19/2010	228.5	907	907	1814	1159	1176	2335	252	269	521	4.48
Average	***204***	***922***	***926***	***1848***	***1137***	***1094***	***2231***	***215***	***168***	***383***	***5.9***
Total	***1836***	***8299***	***8335***	***16634***	***10235***	***9848***	***20082***	***1936***	***1512***	***3448***	

Table 12.0
Cover System Inspection Summary
Del Amo Waste Pits

Cover System											
Inspection Date	**January 19, 2010**	**January 21, 2010**	**January 22, 2010**	**February 8, 2010**	**March 31, 2010**	**July 1, 2010**	**September 28, 2010**	**October 20, 2010**	**December 20, 2010**	**December 21, 2010**	**December 23, 2010**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	Post Rain Inspection	4th Quarterly Inspection	Post Rain Inspection
Inspection Items											
Erosion	4	4	4	4	4	4	4	4	4	4	4
(Plant Die-Back) [(1)]	4	4	4	4	3	3	4	4	4	4	4
Sediment Build-Up	4	4	4	4	4	4	4	4	4	4	4
Local Subsidence or Loss of Grade	4	4	4	4	4	4	4	4	4	4	3
Water Ponding [(1)]	4	4	4	4	4	4	4	4	3	4	3
Turf Height	4	4	4	4	4	4	4	4	4	4	4
Burrowing Animals [(1)]	3	3	3	4	3	4	4	4	4	4	3
Vegetation [(1)]	4	4	4	4	4	4	4	4	4	4	4
Evidence of Fires or Vandalism	4	4	4	4	4	4	4	4	4	4	4
Soil Quality Check	4	4	4	4	4	4	4	4	4	4	4
Unauthorized Traffic	4	4	4	4	4	4	4	4	4	4	4
Slope Instability or Sloughing	4	4	4	4	4	4	4	4	4	4	4
Survey Monuments	4	4	4	4	4	4	4	4	4	4	4
Vertical Cracking [(1)]	4	4	4	4	4	3	4	4	4	4	4
Intrusions	4	4	4	4	4	4	4	4	4	4	4
Evidence of Waste Pit Materials	4	4	4	4	4	4	4	4	4	4	4

[(1)] Area of concern was repaired during routine property maintenance and/or addressed through ongoing monitoring/observation.

Conditions/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Repair)
1 = Poor (Needs Immediate Repair)

Table 13.0
Cap Gas Collection Treatment System Inspection Summary
Del Amo Waste Pits

Cap Gas Collection Treatment System											
Inspection Date	**January 19, 2010**	**January 21, 2010**	**January 22, 2010**	**February 8, 2010**	**March 31, 2010**	**July 1, 2010**	**September 28, 2010**	**October 20, 2010**	**December 20, 2010**	**December 21, 2010**	**December 23, 2010**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	Post Rain Inspection	4th Quarterly Inspection	Post Rain Inspection
Inspection Items											
Collection System Valves											
Adequate Free Movement	4	4	4	4	4	4	4	4	4	4	4
Seals-Complete	4	4	4	4	4	4	4	4	4	4	4
Signs of Rust/Corrosion [(1)]	4	4	4	4	3	4	4	4	4	4	3
Condensate Collection											
Air Moisture Separator	4	4	4	4	4	4	4	4	4	4	3
Carbon Adsorbers-Vessels											
Exterior Damage	4	4	4	4	4	4	4	4	4	4	4
FRP Grating and Mesh	4	4	4	4	4	4	4	4	4	4	4
Blower [(2)]											
General Motor Maintenance [(1)]	4	4	4	4	4	4	4	4	4	4	3
Drive Maintenance [(1)]	4	4	4	4	4	4	4	4	4	4	3
Bearing Maintenance [(1)]	4	4	4	4	4	4	4	4	4	4	3
Lubrication [(1)]	4	4	4	4	4	4	4	4	4	4	3
Structural Maintenance	4	4	4	4	4	4	4	4	4	4	3

[(1)] Area of concern was repaired during routine property maintenance and/or addressed through ongoing monitoring/observation.
[(2)] Blower and motor are permanently lubricated and sealed units.

Conditions/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Repair)
1 = Poor (Needs Immediate Repair)

Table 14.0
Surface Water Drainage Inspection Summary
Del Amo Waste Pits

Surface Water Drainage											
Inspection Date	**January 19, 2010**	**January 21, 2010**	**January 22, 2010**	**February 8, 2010**	**March 31, 2010**	**July 1, 2009**	**September 28, 2010**	**October 20, 2010**	**December 20, 2010**	**December 21, 2010**	**December 23, 2010**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	Post Rain Inspection	4th Quarterly Inspection	Post Rain Inspection
Inspection Items											
Washouts or Erosion of Contoured Grade	4	4	4	4	4	4	4	4	4	4	3
Ponding on Contoured Grade [(1)]	3	3	3	3	4	4	4	4	4	4	3
Gullies and Ruts on Contoured Grade	4	4	4	4	4	4	4	4	4	4	3
Plugging of Drainage Culverts [(1)]	3	4	4	4	4	4	4	4	4	4	4
Holes and Cracks in Swales or Catch Basins [(1)]	4	4	4	4	4	3	4	4	4	4	4
Sediment Build-Up in Swales or Catch Basins [(1)]	4	4	4	4	4	4	4	4	4	4	4
Surface Cracking of Swales/Catch Basins [(1)]	4	4	4	4	4	3	4	4	4	4	4
Spalling of Swales/Catch Basins	4	4	4	4	4	4	4	4	4	4	4
Structural Failure of Swales/Catch Basins	4	4	4	4	4	4	4	4	4	4	4

[(1)] Area of concern was repaired during routine property maintenance and/or addressed through ongoing monitoring/observation.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

Table 15.0
Subsurface Drainage Inspection Summary
Del Amo Waste Pits

Subsurface Drainage											
Inspection Date	**January 19, 2010**	**January 21, 2010**	**January 22, 2010**	**February 8, 2010**	**March 31, 2010**	**July 1, 2010**	**September 28, 2010**	**October 20, 2010**	**December 20, 2010**	**December 21, 2010**	**December 23, 2010**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	Post Rain Inspection	4th Quarterly Inspection	Post Rain Inspection
Inspection Items											
Holes and Cracks in Swales, Catch Basin [(1)]	4	4	4	4	4	3	4	4	4	4	4
Plugging of Drainage Inlets	4	4	4	4	4	4	4	4	4	4	4
Sediment Build-Up or Debris in Catch Basin [(1)]	4	3	3	4	4	4	4	4	4	4	3
Structural Failure of Catch Basin	4	4	4	4	4	4	4	4	4	4	4

[(1)] Area of concern was repaired during routine property maintenance and/or addressed through ongoing monitoring/observation.

Conditions/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Repair)
1 = Poor (Needs Immediate Repair)

Table 16.0
Security Fence Inspection Summary
Del Amo Waste Pits

Security Fence											
Inspection Date	**January 19, 2010**	**January 21, 2010**	**January 22, 2009**	**February 8, 2010**	**March 31, 2010**	**July 1, 2010**	**September 28, 2010**	**October 20, 2010**	**December 20, 2010**	**December 21, 2010**	**December 23, 2010**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	Post Rain Inspection	4th Quarterly Inspection	Post Rain Inspection
Inspection Items											
Perimeter Fence											
Breaks and Holes	4	4	4	4	4	4	4	4	4	4	4
Settlement Damage	4	4	4	4	4	4	4	4	4	4	4
Loose Posts/Tension	4	4	4	4	4	4	4	4	4	4	4
Rust/Corrosion [(1)]	3	3	3	3	3	4	4	3	4	4	3
Ruts and Burrows Beneath Fence	4	4	4	4	4	4	4	4	4	4	3
Vegetation Overgrowth [(1)]	4	4	4	4	4	4	4	4	4	4	4
General Signs of Deterioration	4	4	4	4	3	4	4	4	4	4	4
Vandalism/Animal/Wind Damage [(1)]	4	4	4	4	4	4	4	4	4	4	4
Gates											
Adequate Movement of Hinges and Gates	4	4	4	4	3	4	4	4	4	4	4
Proper Function of Lock(s)	4	4	4	4	4	4	4	4	4	4	4

[(1)] Area of concern was repaired during routine property maintenance and/or addressed through ongoing monitoring/observation.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

Table 17.0
Access Road Inspection Summary
Del Amo Waste Pits

Access Road											
Inspection Date	**January 19, 2010**	**January 21, 2010**	**January 22, 2010**	**February 8, 2010**	**March 31, 2010**	**July 1, 2010**	**September 28, 2010**	**October 20, 2010**	**December 20, 2010**	**December 21, 2010**	**December 23, 2010**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	Post Rain Inspection	4th Quarterly Inspection	Post Rain Inspection
Inspection Items											
Holes and Cracks	4	4	4	4	4	4	4	4	4	4	4
Vegetation Overgrowth	4	4	4	4	4	4	4	4	4	4	4
Settlement	4	4	4	4	4	4	4	4	4	4	4
Excessive Dispersion of Gravel	4	4	4	4	4	4	4	4	4	4	4
General Signs of Deterioration	4	4	4	4	3	4	4	4	4	4	4

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

Table 18.0
SVE/IBT System Inspection Summary
Del Amo Waste Pits

SVE/IBT System Inspection											
Inspection Date	**January 19, 2010**	**January 21, 2010**	**January 22, 2010**	**February 8, 2010**	**March 31, 2010**	**July 1, 2010**	**September 28, 2010**	**October 20, 2010**	**December 20, 2010**	**December 21, 2010**	**December 23, 2010**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	Post Rain Inspection	4th Quarterly Inspection	Post Rain Inspection
Inspection Items											
Manifold											
Adequate - Free Movement	4	4	4	4	4	4	4	4	4	4	4
Seals - Complete	4	4	4	4	4	4	4	4	4	4	4
Visible Damage	4	4	4	4	4	4	4	4	4	4	4
Condensate Collection											
AirMoisture Separator	4	4	4	4	4	4	4	4	4	4	4
Additional System Components											
Carbon Adsorber Vessels											
Exterior Damage	4	4	4	4	4	4	4	4	4	4	4
Blowers											
General Motor Maintenance	4	4	4	4	4	4	4	4	4	4	4
Drive Maintenance	4	4	4	4	4	4	4	4	4	4	4
Bearing Maintenance	4	4	4	4	4	4	4	4	4	4	4
Oxygen Generator											
Signs of Rust/Corrosion	4	4	4	4	4	4	4	4	4	4	3
Mechanical Functioning	4	4	4	4	4	4	4	4	4	4	4
Oxygen Purity	4	4	4	4	4	4	4	4	4	4	4
System Sensors											
Visible Damage	4	4	4	4	4	4	4	4	4	4	4
Mechanical Functioning [(1)]	4	4	4	4	2	4	4	4	4	4	4
SVE Wellheads											
Tee Flanges	4	4	4	4	4	4	4	4	4	4	4
Valves	4	4	4	4	4	4	4	4	4	4	4
Sniff for signs of leaks	4	4	4	4	4	4	4	4	4	4	4

[(1)] Sensors needing repair or calibration were calibrated in the field or returned to manufacturer and re-installed following corrective measures.

N/A-Not Available

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

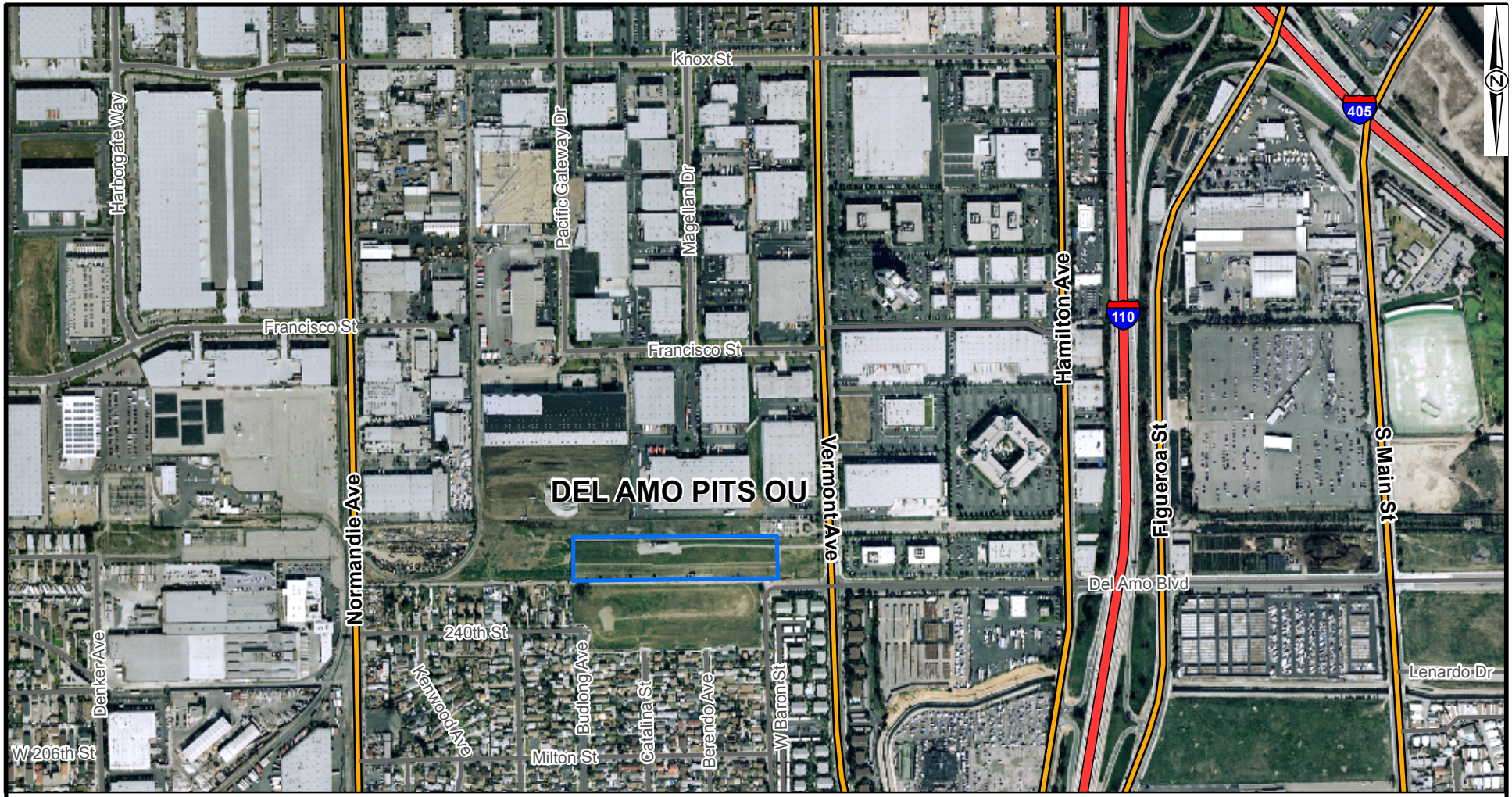
Table 19.0
Monument Survey Results
Del Amo Waste Pits

Baseline Coordinates (1/27/00)				Monitoring Date (1/10/05)				Monitoring Date (3/9/10)			
ID No	Northing	Easting	Elevation (ft. above MSL)	Northing	Easting	Elevation (ft. above MSL)	Elevation Difference (ft.)	Northing	Easting	Elevation (ft. above MSL)	Elevation Difference (ft.)
S-1	56646.97	199287.31	39.76	56646.95	199287.29	39.84	-0.08	56646.96	199287.31	39.84	-0.08
S-2	56646.99	199102.66	40.60	56646.97	199102.62	40.67	-0.07	56646.95	199102.64	40.66	-0.06
S-3	56631.70	198929.44	41.42	56631.70	198929.41	41.42	0.00	56631.67	198929.44	41.39	0.03
S-4	56631.66	198876.96	41.55	56631.64	198876.94	41.45	0.10	56631.59	198876.96	41.36	0.19
S-5	56631.73	198807.17	42.47	56631.72	198807.13	42.42	0.05	56631.69	198807.15	42.39	0.08
S-6	56631.72	198760.02	43.05	56631.74	198759.96	42.98	0.07	56631.68	198759.98	42.92	0.13
S-7	56631.85	198722.09	43.40	56631.86	198722.09	43.41	-0.01	56631.81	198722.13	43.40	0.00
S-8	56631.59	198688.12	43.72	56631.60	198688.09	43.74	-0.02	56631.55	198688.09	43.73	-0.01
Monument 1	56740.04	198884.47	36.44	56740.04	198884.47	36.44	0.00	*	*	*	*
Monument 2	56474.06	199620.03	*	56474.06	199620.03	*	*	*	*	*	*

Table 20.0
2011 Proposed Monitoring and Inspection Activities
Del Amo Waste Pits

Event	Frequency	Method of Documentation
Cover System	Quarterly, after heavy rains[1], and seismic events[2]	Cover System Inspection Form
Cap Gas Collection and Treatment System	Quarterly, after heavy rains[1], and seismic events[2]	Cap Gas System Inspection Form
Surface Water Drainage System	Quarterly, after heavy rains[1], and seismic events[2]	Surface Water Drainage Inspection Form
Subsurface Drainage Systems	Quarterly, after heavy rains[1], and seismic events[2]	Subsurface Drainage Inspection Form
Security Fences	Quarterly, after heavy rains[1], and seismic events[2]	Security Fence Inspection Form
Access Road	Quarterly, after heavy rains[1], and seismic events[2]	Access Road Inspection Form
SVE/IBT System	Quarterly, after heavy rains[1], and seismic events[2]	SVE/IBT System Inspection Form
Groundwater Guaging and Sampling	Quarterly	Groundwater Monitoring Form
Perimeter Well Monitoring Event (wells A, B, C, D, H)	Monthly	Perimeter Soil Vapor Monitoring Form
Perimeter Well Monitoring Event (wells E, F, G, I, J, K L)	Quarterly	Perimeter Soil Vapor Monitoring Form
Full Scale Field Monitoring (cluster, vacuum performance, SVE)	Quarterly	Quarterly Field Monitoring Form
SVE/IBT System Field Monitoring	Bi-Weekly	SVE/IBT System Monitoring Form
SVE/IBT System Lab Sampling	Monthly	Laboratory Analytical Report
Cap Gas Collection and Treatment System Monitoring	Weekly	Cap Gas System Monitoring Form
Cap Gas Collection and Treatment Confirmation Sampling Event	Once every 5 years [3]	Laboratory Analytical Report
Monument Survey Event	Once every 5 years [4]	Monument Survey Record
Repairs	As Required	Maintenance/Corrective Work Report

[1] Defined as precipitation events with intensity exceeding 1.0 inches over a 24-hour period.
[2] Defined as seismic event greater than 4.5 and less than or equal to 6.2 miles from the Site.
[3] Next scheduled monument survey event to be conducted in the year 2015.
[4] Next scheduled confirmation sampling event to be conducted in the year 2015.



0 150 300 600 900 1,200 1,500

Feet

FIGURE 1.0

SITE VICINITY MAP

DEL AMO WASTE PITS OU
TORRANCE, CA

C2REM
An Environmental Management & Development Company
Newport Beach, California 949.261.8098

0 25 50 100 150 200 250

Feet

Features:

- Benchmark
- Survey Monument Marker
- Estimated Extent of Subsurface Impoundment
- Sub Areas
- Del Amo Pits Site

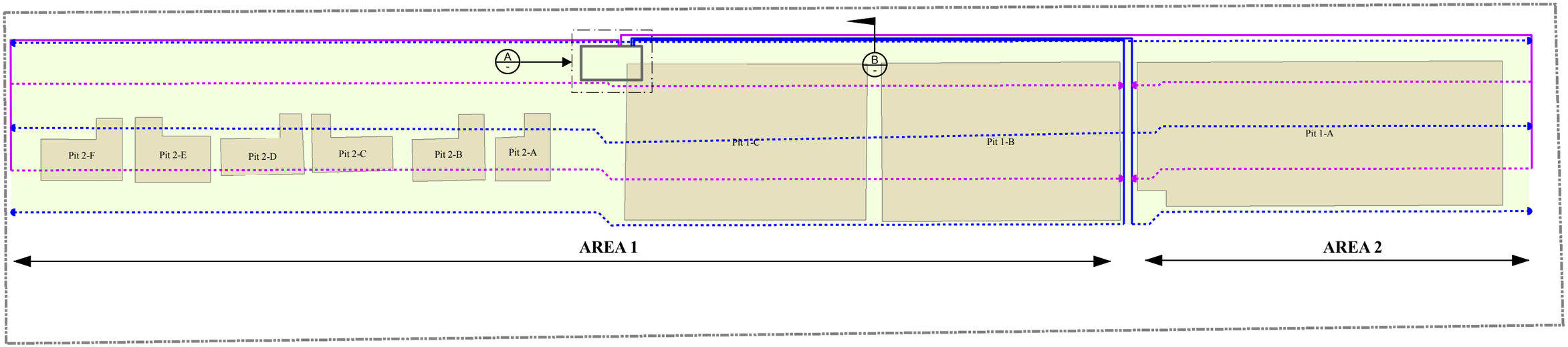
FIGURE 2.0

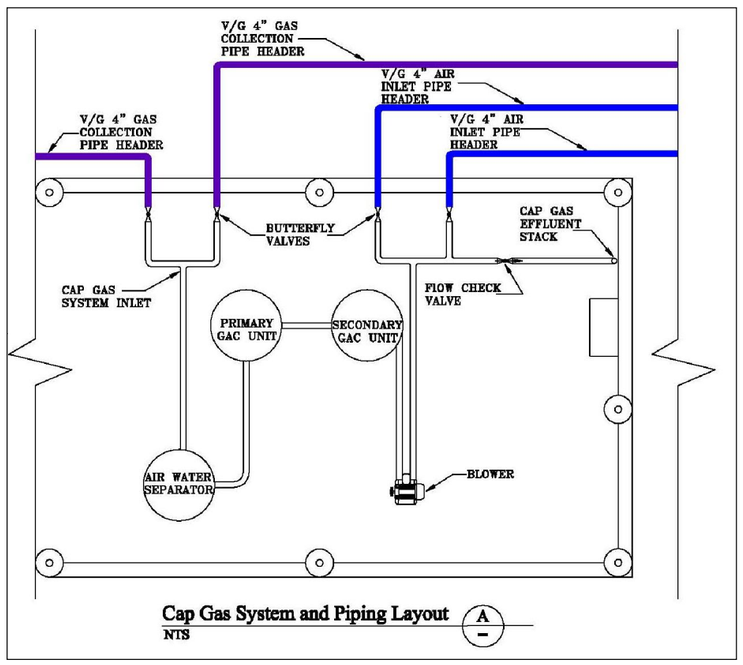
PROPERTY MAP

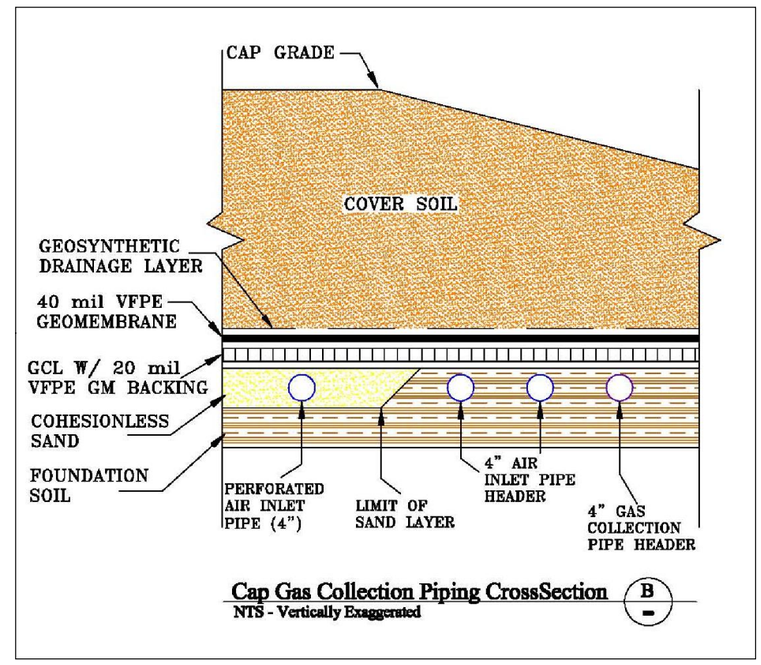
DEL AMO WASTE PITS OU
TORRANCE, CA

C2REM An Environmental Management & Development Company

Newport Beach, California 949.261.8098







0 50 100 200 Feet

Features

- 4" SOILD WALL GAS COLLECTION PIPE - HEADER
- 4" PERFORATED GAS COLLECTION PIPE
- 4" SOLID WALL AIR INLET PIPE (HEADER)
- 4" PERFORATED AIR INLET PIPE
- CAP END
- CAP GAS TREATMENT SYSTEM ENCLOSURE
- ESTIMATED EXTENT OF SUBSURFACE IMPOUNDMENT
- CAP
- DEL AMO PITS SITE

FIGURE 3.0

CAP GAS TREATMENT SYSTEM PIPING PLAN

DEL AMO WASTE PITS OU
TORRANCE, CA

C2REM An Environmental Management & Development Company
NEWPORT BEACH 949.261.8098

Figure 4.0
Cap Gas Treatment System
2010 Monitoring Results (Influent vs. Effluent)
Del Amo Waste Pits OU

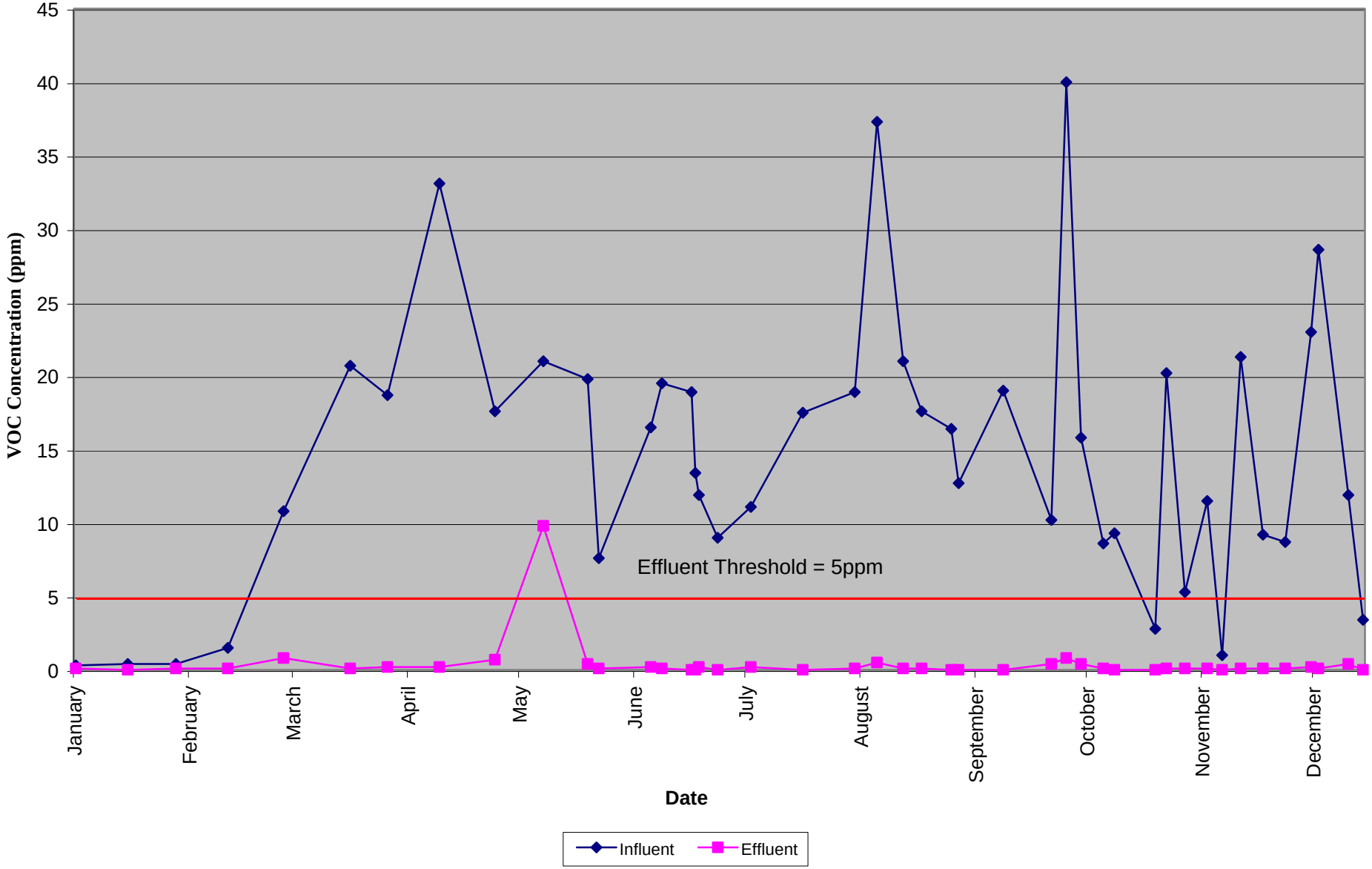
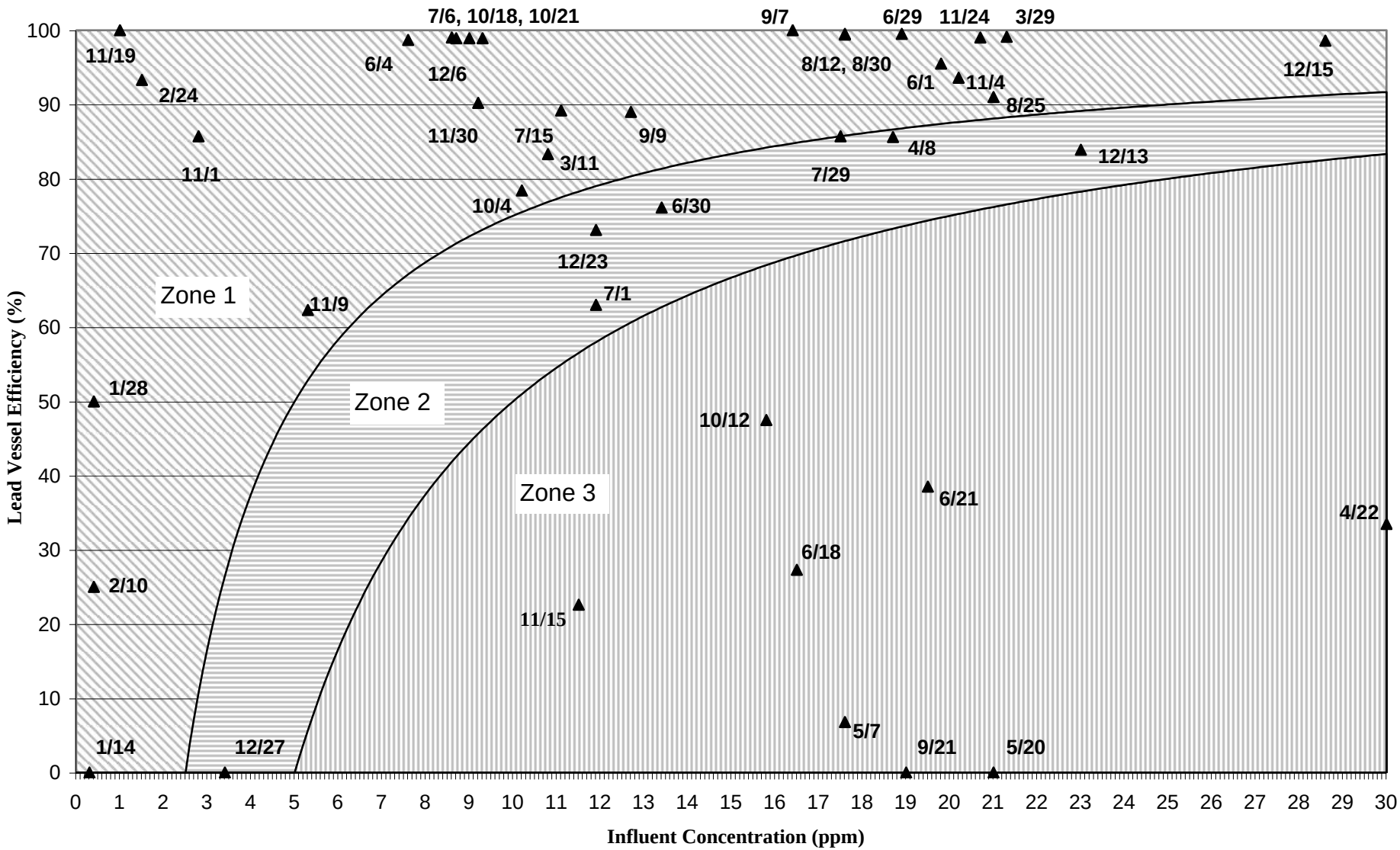
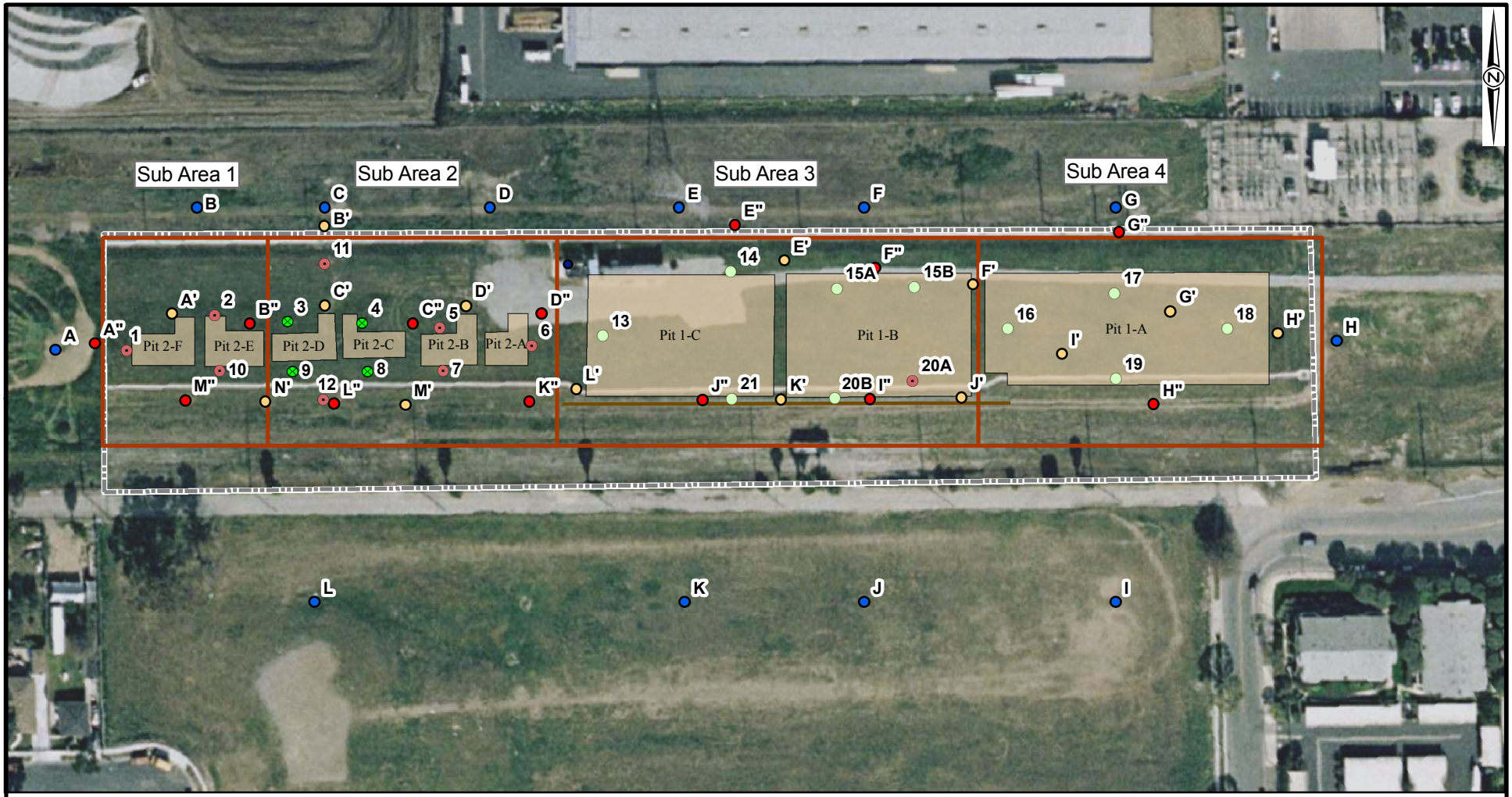


Figure 5.0
Carbon Replacement Protocol
Del Amo Waste Pits OU



Note: Carbon shall be replaced according to the following protocol
1) Effluent concentrations > than 5.0 ppm.
2) Monitoring results fall within Zone 2 for two consecutive monitoring events.
3) Monitoring results fall within Zone 3.



Features:

- Soil Vapor Extraction/Injection Well (Inactive - not connected to SVE/IBT System)
- Soil Vapor Extraction Well (Active - currently connected to SVE/IBT System)
- Soil Vapor Injection Well (Active - currently connected to SVE/IBT System)
- Soil Vapor Cluster Monitoring Well
- Vacuum Pressure Performance Monitoring Wells
- Perimeter Monitoring Wells

FIGURE 6.0

SVE AND MONITORING WELL LOCATION MAP

DEL AMO WASTE PITS OU
TORRANCE, CA

C2REM
An Environmental Management & Development Company
Newport Beach, California 949.261.8098

FIGURE 7.0

2010 Annual Averages of System Inline Sensors
and Monthly Lab Sampling Locations

DEL AMO WASTE PITS OU

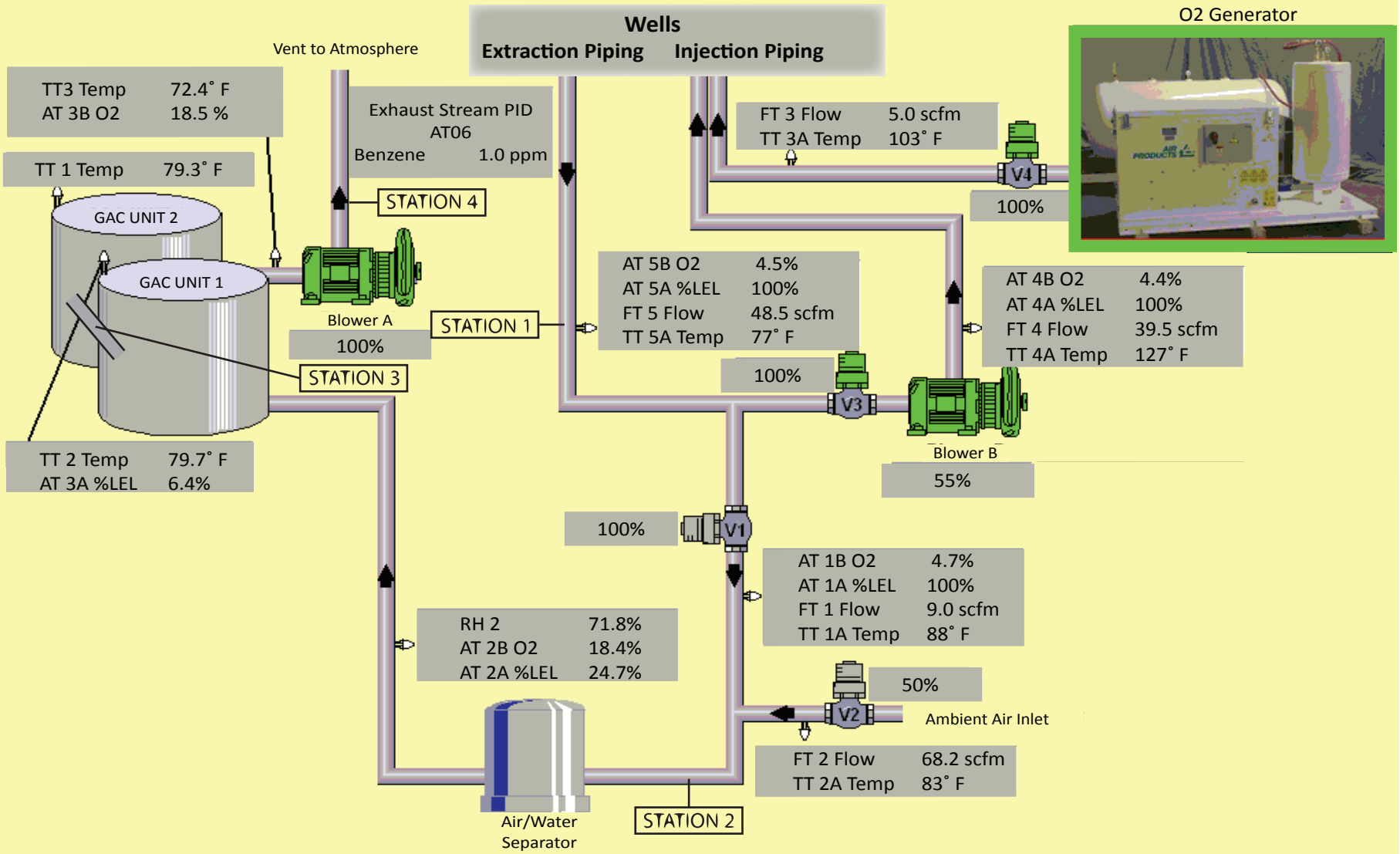
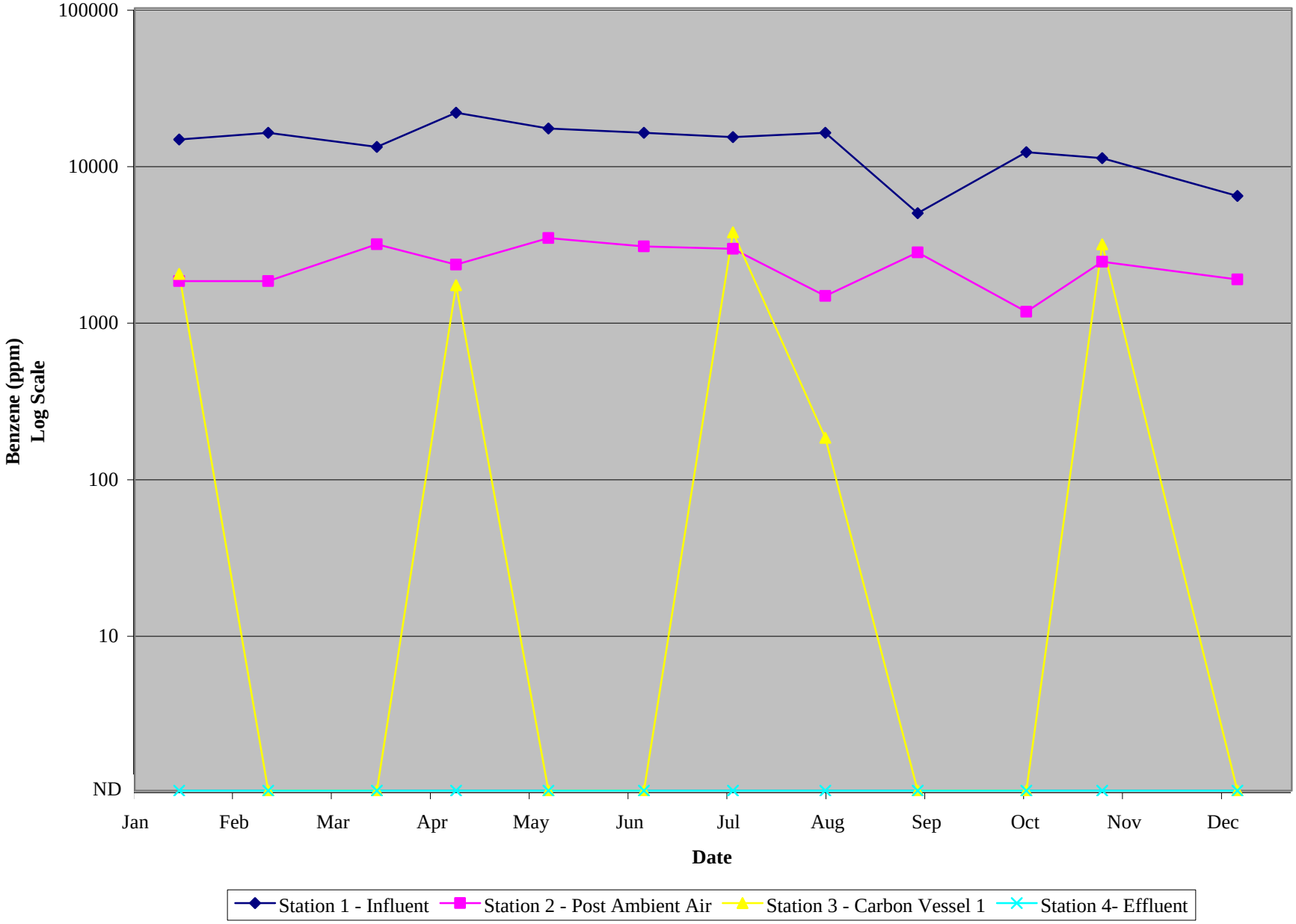
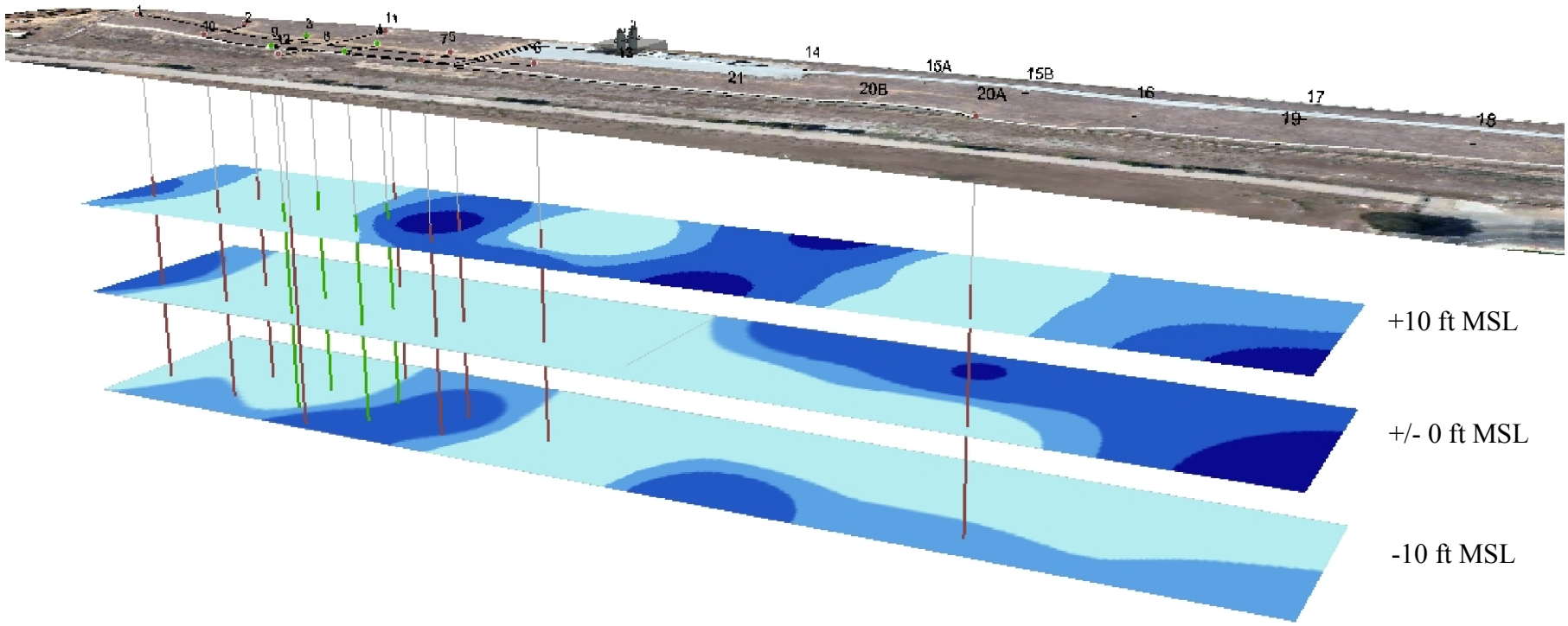


Figure 8.0
SVE/IBT System 2010 Laboratory Data Summary for Benzene
Del Amo Waste Pits OU





Features:

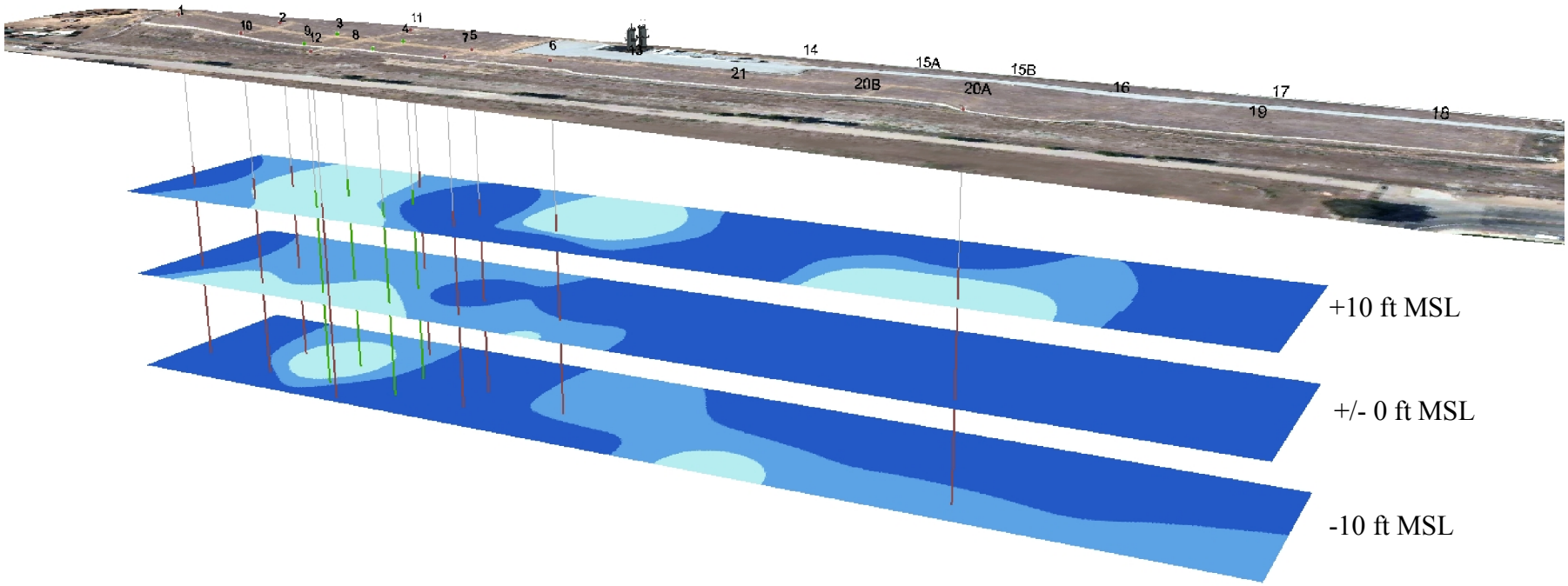
- < 10%
- 10 - 15%
- 15 - 20.9%
- > 20.9%
- Extraction Well
- Injection Well

FIGURE 9.0

2003 CLUSTER WELL
OXYGEN CONCENTRATION

DEL AMO WASTE PITS OU
TORRANCE, CA

C2REM
An Environmental Management & Development Company
Newport Beach, California 949.261.8098



Features:

- < 10%
- 10 - 15%
- 15 - 20.9%
- > 20.9%
- Extraction Well
- Injection Well

FIGURE 10.0

2010 CLUSTER WELL
OXYGEN CONCENTRATION

DEL AMO WASTE PITS OU
TORRANCE, CA

C2REM
An Environmental Management & Development Company
Newport Beach, California 949.261.8098

Figure 11.0
Perimeter Well Field Monitoring Results
Del Amo Waste Pits OU

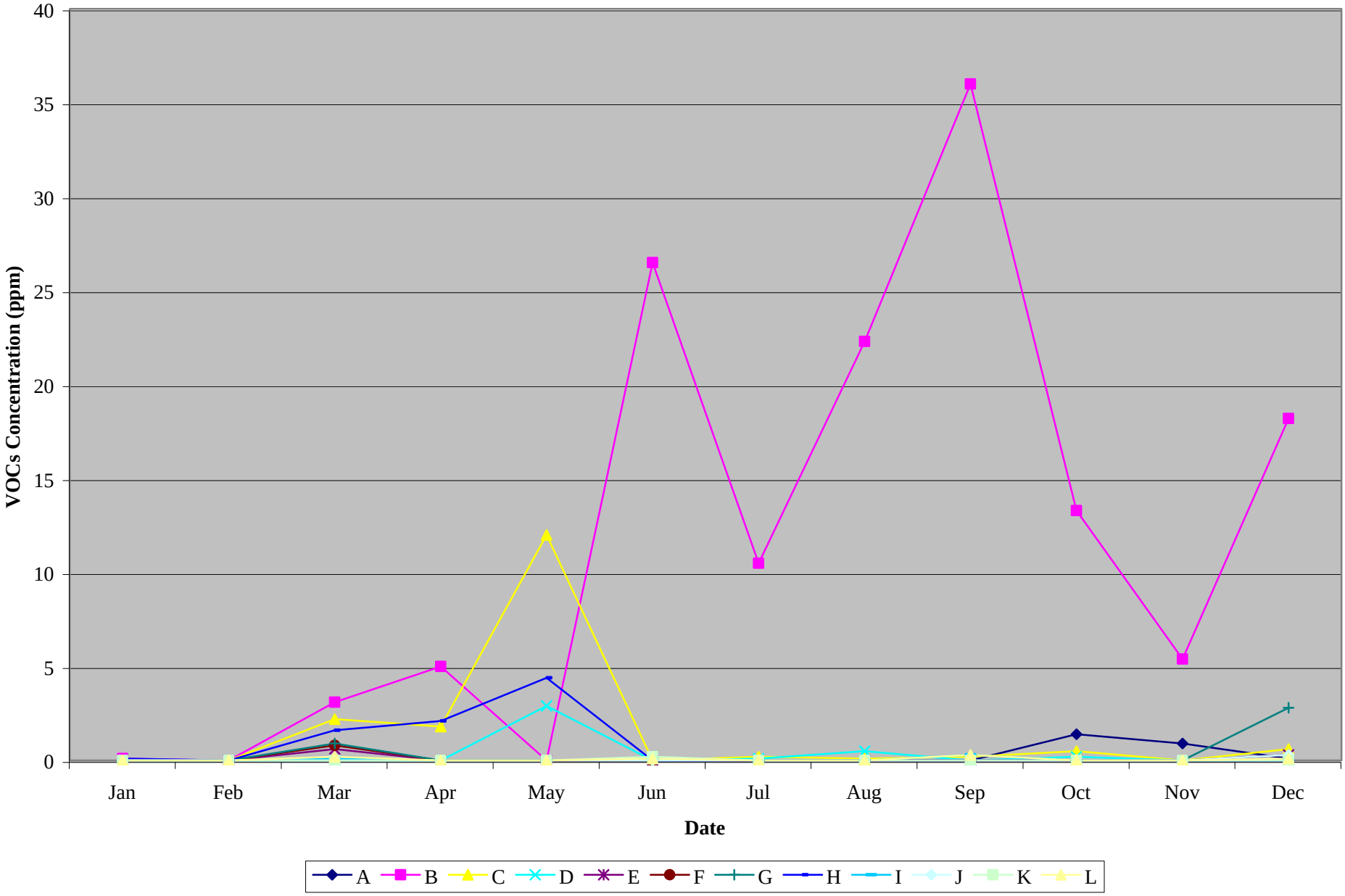


Figure 12.0
O2 vs. CO2 at SVE/IBT System Influent
Del Amo Waste Pits OU

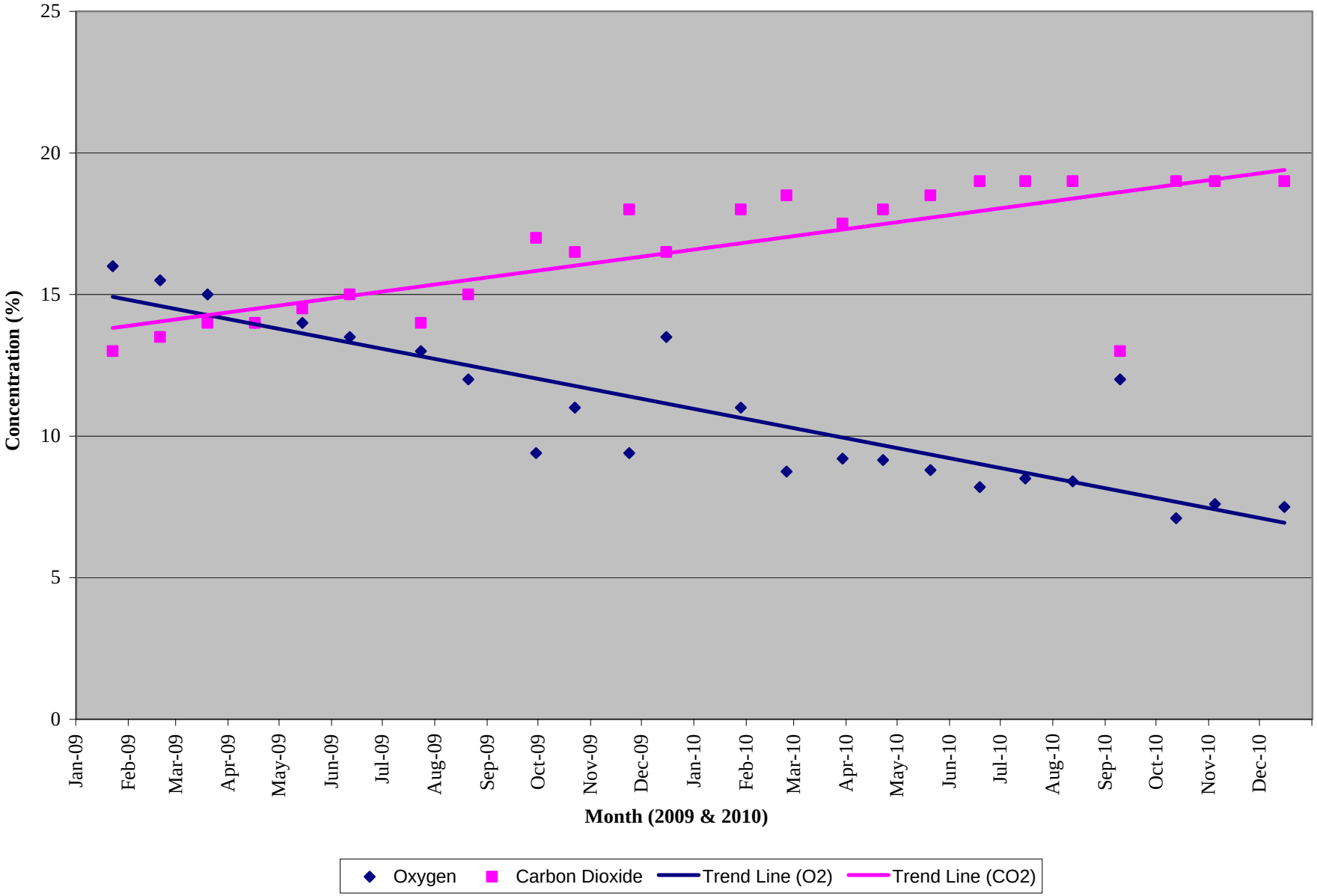
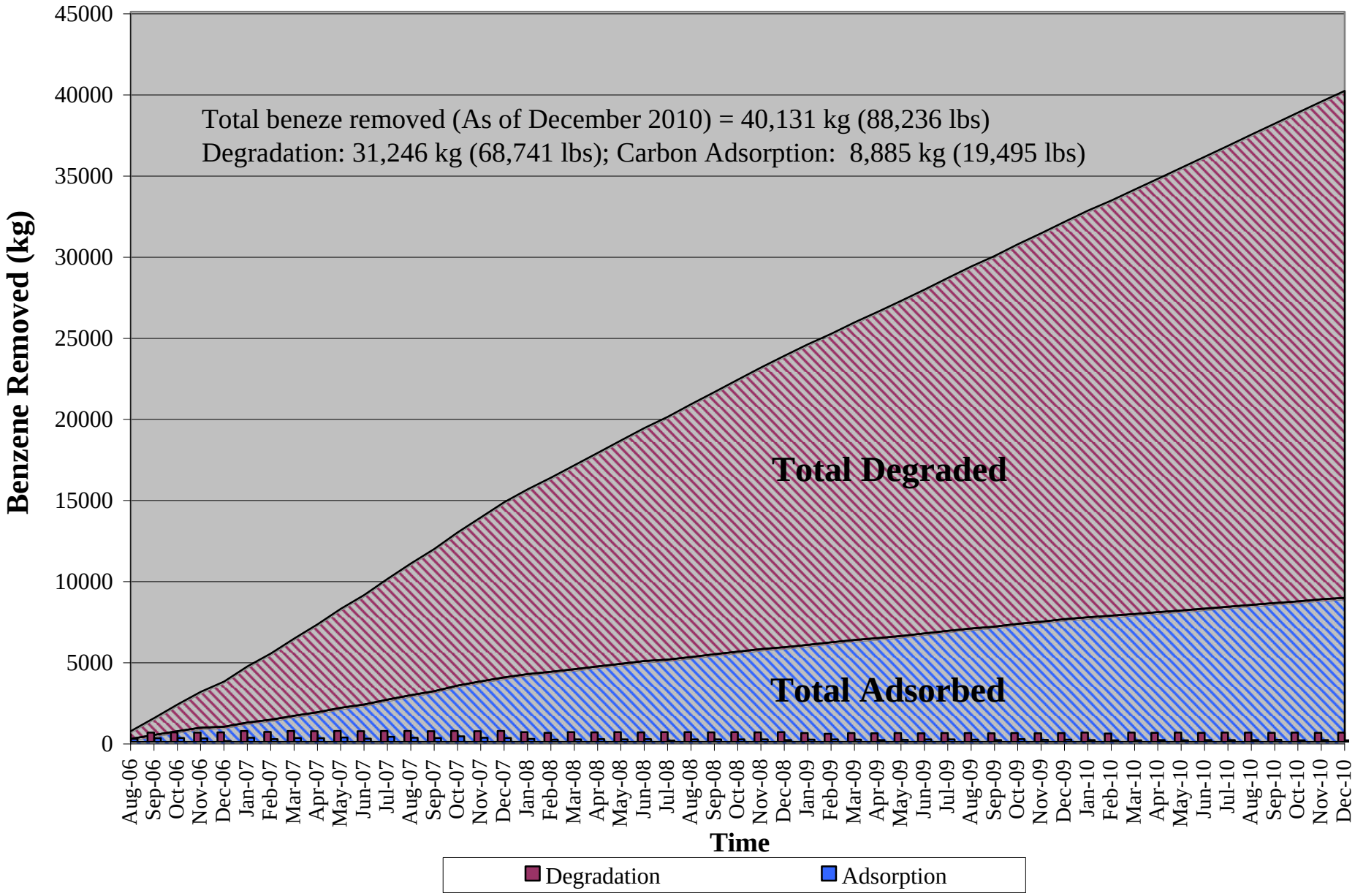


Figure 13.0
SVE/IBT System Operation Total Benzene Removed
Del Amo Waste Pits OU



APPENDIX A

2010 GAS COLLECTION AND TREATMENT SYSTEM MONITORING FORMS

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SEAMUS McGEOUGH
Title: PE

Sheet 1 of 1
Date: 1-14-2010
Time: 12.30pm

Verified By: IAN JUSKO
Title: PE / STAFF SCIENTIST

Type of Monitoring Devices: PID, Velocicalc
Weather Conditions: Sunny + 73°

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) Bi weekly

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	0.3
2.	Outlet of Carbon 1	0.3
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	84.5°	143.5
Effluent	112°	162.5

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: IY
Title: PE

Sheet 1 of 1
Date: 1/28/10
Time: _____

Verified By: SM
Title: PE

Type of Monitoring Devices: PID 2000 (1), VELOCICALC PLUS
Weather Conditions: 68°F, SUNNY

Type of Inspection (check only one):

( ) Daily ( ) Weekly (X) Monthly ( ) Semi-Monthly
( ) Other Frequency (explain) _____

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	0.4
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	72°	142.5
Effluent	110°	174.5

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SA
Title: _____

Sheet 1 of 1
Date: 2/10/2010
Time: 10:30

Verified By: SM
Title: _____

Type of Monitoring Devices: MiniRae PID 2000, Velocicalc.
Weather Conditions: Sunny.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(x) Other Frequency (explain) Bi-weekly.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	0.4
2.	Outlet of Carbon 1	0.3
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	60	125
Effluent	100	165

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: Seamus McGeough
Title: Project Engineer.

Sheet 1 of 1
Date: 02/24/2010
Time: 10:30 AM.

Verified By: Shinta Aizawa
Title: Staff Scientist.

Type of Monitoring Devices: Mini Rae 2000 PID. Velocicalc.
Weather Conditions: cloudy.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Bi-weekly,

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	1.5
2.	Outlet of Carbon 1	0.1
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	62° (70°F w/velocicalc)	144
Effluent	110°	182

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: IY
Title: PE

Sheet 1 of 1
Date: 3/11/10
Time: 12:00 PM

Verified By: SM
Title: PE

Type of Monitoring Devices: PID 2000, VELOCICALC PLUS
Weather Conditions: 70° F, BREEZY, CLEAR

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) BI-WEEKLY

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	10.8
2.	Outlet of Carbon 1	1.8
3.	Outlet of Carbon 2	1.7
4.	System Effluent	0.8

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	64	150
Effluent	118	175

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: IY
Title: PE

Sheet 1 of 1
Date: 3/29/10
Time: 3:15 PM

Verified By: SM
Title: PE

Type of Monitoring Devices: PID 2000, VELOCICALC
Weather Conditions: SUNNY, 5 MPH WINDS, 82°F

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) BI-WEEKLY

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:

		VOCs (ppm)
1.	System Inlet	20.7 * (System RAN for 30 MINS before Sample)
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Pressure (in of H2O)	Temperature (°F)	Air Flow (scfm)
Influent	-7	65	145
Effluent	+3	123	160

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: Shinta Aizawa
Title: ~~Sta~~ Staff Scientist

Sheet 1 of 1
Date: 4/8/2010
Time: 11:20 AM

Verified By: Seamus McGrath
Title: Project Engineer

Type of Monitoring Devices: _____
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
( ) Other Frequency (explain) _____

Vessel Operation:

( ) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:

		VOCs (ppm)
1.	System Inlet	~~18.1~~ 18.7
2.	Outlet of Carbon 1	~~2.4~~ 2.7
3.	Outlet of Carbon 2	~~0.5~~ ~~0.4~~ 1.9
4.	System Effluent	~~0.3~~ 0.2

	Temperature (^{0}F)	Air Flow (scfm)
Influent	90	140
Effluent	125°	160

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: IY
Title: PE

Sheet 1 of 1
Date: 4/22/10
Time: 3:30 PM

Verified By: _____
Title: _____

Type of Monitoring Devices: PID 2000 MINIRAE, VELOCICALC
Weather Conditions: 68°F, CLOUDY, DRIZZLE

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) BI WEEKLY

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	33.1
2.	Outlet of Carbon 1	22.0
3.	Outlet of Carbon 2	5.9
4.	System Effluent	0.2

	Temperature (°F)	**Air Flow (scfm)**
Influent	66	145
Effluent	172	165

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SM.
Title: Project Engineer.

Sheet 1 of 1
Date: 5/7/2010
Time: _____

Verified By: SA.
Title: Staff Scientist.

Type of Monitoring Devices: MiniRae2000 PID. Velocicalc.
Weather Conditions: Sunny.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly (X) Semi-Monthly
( ) Other Frequency (explain) _____

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	17.6
2.	Outlet of Carbon 1	16.4
3.	Outlet of Carbon 2	0.3
4.	System Effluent	0.7

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	74°	153
Effluent	~~119°~~ 129°	166

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: Shinta Aidara
Title: Staff Scientist

Sheet 1 of 1
Date: 05/20/2010
Time: _____

Verified By: Seamus McGeogh
Title: Project Engineer

Type of Monitoring Devices: MiniRae 2000 PID, Velocicalc.
Weather Conditions: Sunny.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Bi-weekly

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	21
2.	Outlet of Carbon 1	36
3.	Outlet of Carbon 2	9.4
4.	System Effluent	9.8

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	76	155
Effluent	126	160

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: S. Mc Gough
Title: PE

Sheet 1 of 1
Date: 6/1/10
Time: 2pm

Verified By: Ian Jusko
Title: PE

Type of Monitoring Devices: PID (3000) Velocole.
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) Supplemental, (Post Carbon change out)

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:

		VOCs (ppm)
1.	System Inlet	19.8
2.	Outlet of Carbon 1	0.9
3.	Outlet of Carbon 2	1.4
4.	System Effluent	0.4

	Temperature (^{0}F)	Air Flow (scfm)
Influent	76	148
Effluent	131	157

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: Seamus McGough.
Title: Project Engineer.

Sheet 1 of 1
Date: 06/04/2010
Time: 10:30AM

Verified By: Shinta Aizawa
Title: Staff Scientist

Type of Monitoring Devices: MiniRae 2000 PID, Velocicalc.
Weather Conditions: Cloudy

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Bi-weekly

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	7.6
2.	Outlet of Carbon 1	0.1
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	80	140
Effluent	130	151

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: IY
Title: PE

Sheet 1 of 1
Date: 6/18/10
Time: 1300

Verified By: SA
Title: Staff Scientist

Type of Monitoring Devices: PID 2000, VELOCICALC PLUG
Weather Conditions: SUNNY, CLEAR, 80s

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) BI WEEKLY

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	16.5
2.	Outlet of Carbon 1	12.0
3.	Outlet of Carbon 2	0.4
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	82	146	39 %
Effluent	137	162	17 %

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SA
Title: _____

Sheet ____ of ____
Date: 06/21/2010
Time: 12:30

Verified By: SM.
Title: _____

Type of Monitoring Devices: _____
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(x) Other Frequency (explain) _____

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	19.5
2.	Outlet of Carbon 1	12.0
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	RH
Influent	82	140	43%
Effluent	135	165	16%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SA
Title: Project Engineer

Sheet 1 of 1
Date: 6/29/10
Time: _____

Verified By: SM.
Title: Project Engineer

Type of Monitoring Devices: MiniRae 2000 PID, Velocicalc.
Weather Conditions: Sunny.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up after carbon change-out.

Vessel Operation:

( ) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	18.9
2.	Outlet of Carbon 1	0.1
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	81	135	47.%
Effluent	138	155	13.7%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SA
Title: Staff Scientist

Sheet 1 of 1
Date: 06/30/2010
Time: 1300

Verified By: SM
Title: Project Engineer

Type of Monitoring Devices: MiniRae 2000 PID, Velocicalc.
Weather Conditions: Sunny

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow up monitoring

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	13.4
2.	Outlet of Carbon 1	3.2
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	81.5°	130	49%
Effluent	138°	155	15.2%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SM
Title: PE

Sheet 1 of 1
Date: 7/1/10
Time: 11:30

Verified By: IY
Title: PE

Type of Monitoring Devices: PID MiniRAE 2000, RKI Eagle, Velocicalc
Weather Conditions: 80s, clear, sunny

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) BI-WEEKLY

Vessel Operation:

(X). Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:

		VOCs (ppm)	CH_4	O_2	CO_2
1.	System Inlet	61.9	Ø	12.5	8.4
2.	Outlet of Carbon 1	4.4	Ø	12.4	9.0
3.	Outlet of Carbon 2	0.2	Ø	12.9	8.4
4.	System Effluent	0.2	Ø	12.1	8.4

	Temperature (^{0}F)	Air Flow (scfm)
Influent	80°	139.
Effluent	140°	150

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SA
Title: Staff Scientist

Sheet 1 of 1
Date: ~~06~~ 07/06/2010
Time: 13:20

Verified By: SM
Title: Project Engineer.

Type of Monitoring Devices: MiniRae PID 2000, Velocicalc.
Weather Conditions: cloudy

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up after carbon change-out.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	9.0
2.	Outlet of Carbon 1	0.1
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	
Influent	80°	135	40%
Effluent	130	152	15%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: IY
Title: PE

Sheet 1 of 1
Date: 7/15/10
Time: 11:15 AM

Verified By: SM
Title: PE

Type of Monitoring Devices: VELOCICALC, PID 2000
Weather Conditions: 88 °F, SUNNY

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) BI-WEEKLY

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	11.1
2.	Outlet of Carbon 1	1.2
3.	Outlet of Carbon 2	0.0
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	85	130
Effluent	145	152

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: Seamus McGeogh.
Title: Project Engineer

Sheet 1 of 1
Date: 07/29/2010
Time: 11:00 AM.

Verified By: Shinta Aizawa
Title: Staff scientist.

Type of Monitoring Devices: PID. Velocicalc.
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly (✓) Semi-Monthly
( ) Other Frequency (explain) _____

Vessel Operation:

( ) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	17.5
2.	Outlet of Carbon 1	2.5
3.	Outlet of Carbon 2	0.3
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity.
Influent	81	128	46.1%
Effluent	137	165	16.2

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: C.A, S.M & K.V, S.A
Title:

Sheet 1 of 1
Date: 08/12/2010
Time: 1200 pm

Verified By: SA.
Title: Staff scientist.

Type of Monitoring Devices: MiniRae 2000 PID calibrated to 5 ppm benzene/velocicalo.
Weather Conditions: Sunny.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Bi-weekly

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	18.9
2.	Outlet of Carbon 1	0.1
3.	Outlet of Carbon 2	0
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	~~137~~ 83°	142.0	39.6
Effluent	137°	155	16.2

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: C. Alexander
Title: Entry-level Engineer

Sheet 1 of 1
Date: 8/18/10
Time: 12:00

Verified By: S. McGeough
Title: Project Engineer

Type of Monitoring Devices: PID, Velocicalc
Weather Conditions: Sunny ≈ 80°

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	37.3
2.	Outlet of Carbon 1	2.8
3.	Outlet of Carbon 2	N/a
4.	System Effluent	0.5

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	95	140
Effluent	132	158

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: CA
Title: Field Tech

Sheet 1 of 1
Date: 08/25/10
Time: 11:30

Verified By: SA
Title: Staff scientist

Type of Monitoring Devices: Mini Rae 2000 PID, Velocicalc
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) Biweekly

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	21
2.	Outlet of Carbon 1	1.9
3.	Outlet of Carbon 2	2.1 *
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	86.4 (80)**	138	57%
Effluent	124 (136)**	162	19.2%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

* Sample @ C2 may have cross contamination from carbon change out

** monitored by velocicalc / ( ) → gauges installed in ECTS.

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: CA
Title: Field Tech

Sheet 1 of 1
Date: 8/30/10
Time: 11:50AM.

Verified By: SA
Title: Staff Scientist

Type of Monitoring Devices: MiniRae 2000 PID, Velocicalc.
Weather Conditions: fine.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	17.6
2.	Outlet of Carbon 1	0.1
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	82°	154	74.4%
Effluent	140°	162	14.1%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: CA
Title: Field Tech

Sheet 1 of 1
Date: 09/07/2010
Time: _____

Verified By: SA
Title: Staff scientist

Type of Monitoring Devices: MiniRae 2000 PID.
Weather Conditions: cloudy

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up.

Vessel Operation:

( ) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	16.4
2.	Outlet of Carbon 1	0
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	—	—
Effluent	—	—

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: OA
Title: Field Tech.

Sheet 1 of 1
Date: 09/09/2010
Time: 11:20.

Verified By: SA
Title: Staff scientist.

Type of Monitoring Devices: MiniRae 2000 PID Velocicalc.
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(x) Other Frequency (explain) Bi-weekly.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	12.7.
2.	Outlet of Carbon 1	1.4
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.0

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	80	135	32.5%
Effluent	130	165	17.3%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SM, SA
Title: Project Engineer / Field Tech

Sheet 1 of 1
Date: 09/21/2010
Time: 11:30 AM.

Verified By: SA
Title: Staff scientist.

Type of Monitoring Devices: MiniRae 2000/3000 PID, Velocicalc.
Weather Conditions: cloudy.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Bi-weekly.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:

		1	2	3
1.	System Inlet	19	22.	24.
2.	Outlet of Carbon 1	45	48	46.6
3.	Outlet of Carbon 2	0.2	0	1.6
4.	System Effluent	0	0.2	0.5
		0	0	4.7

VOCs (ppm)

PID 1	2	3
~~54~~	~~48~~ 54	50.
~~48~~	0	
0		
0		
	0.2	0.5

~~pid #1 = 0~~
~~pid #2 = 0.2~~

	Temperature (°F)	Air Flow (scfm)	Humidity
Influent	75	135	40%
Effluent	120	165	23%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SA
Title: PE

Sheet 1 of 1
Date: 10/4/10
Time: 1330

Verified By: IV
Title: PE

Type of Monitoring Devices: Velocicalc Plus, PID 3000
Weather Conditions: Light Showers, overcast,

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) After change-out

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	10.2
2.	Outlet of Carbon 1	2.2
3.	Outlet of Carbon 2	0.5
4.	System Effluent	0.4

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	75	145	69
Effluent	117	165	19

Comments, Maintenance or Corrective Action (attach additional sheets if required):

SVE/IBT Effluent reading @ 1330: 0.7 ppm

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: CA
Title: Feild Tech

Sheet ____ of ____
Date: 10/8/2010
Time: ____

Verified By: SA
Title: Staff Scientist

Type of Monitoring Devices: PID & Velocalc
Weather Conditions: 75 - 80°F

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Bi-weekly

Vessel Operation:

( ) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	40.0
2.	Outlet of Carbon 1	44.0
3.	Outlet of Carbon 2	1.0
4.	System Effluent	0.8

	Temperature (°F)	**Air Flow (scfm)**	Humidity
Influent	76°F	143	31.4
Effluent	130	165	17.1

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: CA
Title: ~~Engineer~~ field tech

Sheet 1 of 1
Date: 10/12/2010
Time: 3:45

Verified By: SA
Title: Project Engineer / staff scientist

Type of Monitoring Devices: Velocicalc, PID
Weather Conditions: 76°F Sunny

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) ~~Biweekly~~, After change-out

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	15.8
2.	Outlet of Carbon 1	8.3
3.	Outlet of Carbon 2	2.7
4.	System Effluent	0.4

	Temperature (°F)	**Air Flow (scfm)**	Humidity,
Influent	72	140	57.7
Effluent	130	150	16.5

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: CA
Title: _____

Sheet 1 of 1
Date: 10/18/10
Time: _____

Verified By: SA
Title: _____

Type of Monitoring Devices: MiniRae 2000 PID.
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(x) Other Frequency (explain) Follow-up.

Vessel Operation:

(x) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	~~0.1~~ 8.6
2.	Outlet of Carbon 1	~~0.1~~ 0.1
3.	Outlet of Carbon 2	~~0.1~~ 0.1
4.	System Effluent	~~8.6~~ 0.1

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	NA	NA
Effluent	NA	NA.

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: IY
Title: PE

Sheet 1 of 1
Date: 10/21/10
Time: 11:10 AM

Verified By: SM
Title: PE

Type of Monitoring Devices: PID 2000, VELOCICALC PLUS
Weather Conditions: CLOUDY, OVERCAST, 60's, HUMID

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) BI-WEEKLY

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:	VOCs (ppm)
1. System Inlet	9.3
2. Outlet of Carbon 1	0.1
3. Outlet of Carbon 2	0.1
4. System Effluent	0.0

	Temperature (^{0}F)	Air Flow (scfm)	
Influent	71	141	57%
Effluent	119	164	15% HUM.

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: SM.
Title: Project Engineer.

Sheet 1 of 1
Date: 11/01/2010
Time: _____

Verified By: SA
Title: Staff Scientist.

Type of Monitoring Devices: MiniRae2000 PID. Velocicalc.
Weather Conditions: Sunny.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(x) Other Frequency (explain) Follow-up.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	2.8
2.	Outlet of Carbon 1	0.4
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity.
Influent	~~75~~ 73	135	34
Effluent	132	175	18.5

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: S. Mc Gough
Title: Project Engineer.

Sheet 1 of 1
Date: 11/4/10
Time: 11AM.

Verified By: S Aizawa
Title: Staff Scientist, PE.

Type of Monitoring Devices: PID & Velocicalc.
Weather Conditions: Hot & Dry 90°F

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) Bi WEEKLY.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	20.2
2.	Outlet of Carbon 1	1.3
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (°F)	**Air Flow (scfm)**	Humidity (%).
Influent	94.8	134	18.1
Effluent	127°	167	16.7

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: JR
Title: G/S Analyst,

Sheet 1 of 1
Date: 11/9/10
Time: 11:00

Verified By: SA
Title: Staff scientist

Type of Monitoring Devices: _____
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
( ) Other Frequency (explain) _____

Vessel Operation:

( ) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	5.3
2.	Outlet of Carbon 1	2.0
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	70	151	24.6
Effluent	120	170	18.5

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: CA
Title: Field Tech.

Sheet 1 of 1
Date: 11/15/2010
Time: 11:30 AM.

Verified By: SA.
Title: Staff scientist.

Type of Monitoring Devices: MiniRae 2000 PID., Velocimic.
Weather Conditions: Sunny.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up.

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	11.5
2.	Outlet of Carbon 1	8.9
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	Humidity
Influent	84.6	140	31.6
Effluent	120	170	26.0

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: S McGEOUGH
Title: PROJECT ENGINEER.

Sheet 1 of 1
Date: 11-19-2010
Time: 2pm

Verified By: S AIZAWA
Title: PROJECT Engr / Staff Scientist

Type of Monitoring Devices: PID(3000), VELO CICALC
Weather Conditions: 58° Over Cast

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) Bi WEEKLY

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	1.0
2.	Outlet of Carbon 1	0.0
3.	Outlet of Carbon 2	0.0
4.	System Effluent	0.0

	Temperature (^{0}F)	**Air Flow (scfm)**	
Influent	72	141	(48% H)
Effluent	107	169	17%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: Carrie Alexander
Title: Entry-level Engineer

Sheet 1 of 1
Date: 11/24/10
Time: 11:30 am

Verified By: Seamus McGeough
Title: Project Engineer

Type of Monitoring Devices: Velocicalc, PID & Pump Lung
Weather Conditions: 58°F cool + overcast

Type of Inspection (check only one):

( ) Daily (X) Weekly ( ) Monthly ( ) Semi-Monthly
( ) Other Frequency (explain) _____

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	21.3
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (°F)	**Air Flow (scfm)**	Humidity %
Influent	68	145	40%
Effluent	~~105~~ 110	165	17.7%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: C ALEXANDER
Title: FIELD TECH

Sheet 1 of 1
Date: 11-30-10
Time: 11-00AM

Verified By: S. Mc CROUCH
Title: PE

Type of Monitoring Devices: PID Velocicalc.
Weather Conditions: SUNNY & 65°

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) BI WEEKLY

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:

		VOCs (ppm)
1.	System Inlet	9.2.
2.	Outlet of Carbon 1	0.9.
3.	Outlet of Carbon 2	0.7.
4.	System Effluent	0.1

	Temperature (^{0}F)	Air Flow (scfm)	
Influent	75°	147	7.9" H?
Effluent	113°	186	14.6H

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: S. Mc Gough
Title: PE

Sheet 1 of 1
Date: 12-6-10
Time: _____

Verified By: C ALEXANDER
Title: FIELD TECH

Type of Monitoring Devices: PID & Velocale.
Weather Conditions: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
( ) Other Frequency (explain) Follow up.

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	8.7
2.	Outlet of Carbon 1	0.1
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	
Influent	69°	148	48.4% H.
Effluent	110°	181	20.4% H.

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: C. Alexander
Title:

Sheet 1 of 1
Date: 12/13/10
Time: 11:45 am

Verified By: S. McGeough
Title:

Type of Monitoring Devices: PID, Velocicalc
Weather Conditions: sunny & 80°

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	23.0
2.	Outlet of Carbon 1	3.7
3.	Outlet of Carbon 2	5.7
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	83°	142	33%
Effluent	112°	183	20.5%

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: C. ALEXANDER
Title: FIELD TECH

Sheet 1 of 1
Date: 12-15-10
Time: 1:15pm

Verified By: S Mc GOUGH
Title: PROJECT ENG

Type of Monitoring Devices: PID (3000) VELOCICALC
Weather Conditions: OVERCAST 57°F

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) Bi Weekly

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	28.6
2.	Outlet of Carbon 1	0.4
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	
Influent	67.1°	152.	72.5 % H
Effluent	102	172	23 %

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: C. Alexander
Title:

Sheet 1 of 1
Date: 12/23/10
Time: 11:00 am

Verified By: K. Volmer
Title:

Type of Monitoring Devices: Velocicalc & PID
Weather Conditions: partly sunny

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) Other Frequency (explain) Follow-up

Vessel Operation:

(X) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	11.9
2.	Outlet of Carbon 1	3.2
3.	Outlet of Carbon 2	0.16
4.	System Effluent	0.4

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	76.3	151
Effluent	107.5	178

Comments, Maintenance or Corrective Action (attach additional sheets if required):

Del Amo Waste Pits Superfund Site
Gas Collection and Treatment System
Torrance, California

Completed By: C ALEXANDER
Title: FIELD TECH.

Sheet 1 of 1
Date: 12/27/10
Time: 11 AM

Verified By: S Mc GEOUGH
Title: PE

Type of Monitoring Devices: PID Velocicalc.
Weather Conditions: 60° SUNNY.

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) Bi Weekly.

Vessel Operation:

(✓) Series, Carbon Vessel 1 to Carbon Vessel 2
( ) Parallel
( ) One Carbon Vessel

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	3.4
2.	Outlet of Carbon 1	3.8
3.	Outlet of Carbon 2	~~0.2~~ 0.5
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	
Influent	77°	145	28.8 in.
Effluent	105°	185	23.5

Comments, Maintenance or Corrective Action (attach additional sheets if required):

APPENDIX B

2010 FIELD DAILY REPORTS

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 1/4/2010

WEATHER: Temperature: 74 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit to investigate report of damaged gates.

Time Line	
7:00 AM	
8:00 AM	
	SK received report of damaged gates from All-Star landscape staff.
9:00 AM	
	9.30 am IY and SM onsite.
	Staff discovered the gates at the rear of the enclosure had been damaged by a vehicle
10:00 AM	driving through them.
	This vehicle had driven across the cap, over the V ditch and exited through the
	gates that divide the Pits property from the Undeveloped Parcel. This gate was also
11:00 AM	damaged.
	Staff repaired the gate dividing the properties. Staff chained the gate at the rear of the
	enclosure but were unable to repair it.
12:00 PM	Staff reviewed the security camera footage and discovered that the damage was done on
	12/31/2009. Staff contacted the LAPD Harbor division and were told that a unit would
	respond.
1:00 PM	Staff took lunch.
	Staff left site.
2:00 PM	
3:00 PM	Staff returned to site and contacted the LAPD again. No unit was available to respond.
	Staff secured the site and departed.
4:00 PM	
5:00 PM	
Notes:	Staff will go to LAPD Harbor division and make report in person.

ared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

JECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 1/14/2010

WEATHER: Temperature: 73 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit for gate repair, & Bi Weekly Monitoring.

Time Line	
7:00 AM	
8:00 AM	
	8.15am, SM and IY onsite.
9:00 AM	8.45am Gary Moore (GM) (All-Pro Fence) onsite. Staff conducted safety meeting and reviewed JSA with GM. GM signed all required forms, including hot work permit.
10:00 AM	9.30am All Pro repair crew onsite. Staff conducted tailgate safety meeting with All Pro team. IY shut down the system. SM went to Home Depot for supplies to fix trip hazard. All pro began repairs to gate at the rear of enclosure.
11:00 AM	
	11.30 Staff repaired trip hazard. Staff attached emergency signs to front door of trailer.
12:00 PM	12.30 All Pro completed repairs to gate at the rear of enclosure. Staff conducted GCTS monitoring. IY restarted the system.
1:00 PM	Staff took lunch break. 1.30 Staff conducted SVE/IBT monitoring.
2:00 PM	Staff off site.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

ared by: Ian Yusko

Seamus McGeough

Signed: Seamus McGeough

C_2 REM

FIELD DAILY REPORT

JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 1/15/2010

WEATHER: Temperature: 72 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Troubleshoot SVE/IBT meters

Time Line	
7:00 AM	
8:00 AM	
	IY/SM arrive on-site, prepare tools to troubleshoot SVE/IBT O2 and LEL meters
	IY/SM complete sensor replacement & calibration of AT5A LEL meter, but they discover
9:00 AM	AT4A LEL & AT5B O2 meters are not functioning properly, team removes from system, &
	returns meters back to office to be sent back to manufacturer for repair
	IY/SM clean up Site, ensure SVE/IBT system is running as intended
10:00 AM	IY/SM lock up & depart from Site
11:00 AM	
12:00 PM	
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

ared by: Ian Yusko

Seamus McGeough

Signed: Seamus McGeough

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 1/19/2010

WEATHER: Temperature: 55 Winds: Gusty Precipitation: Heavy

DESCRIPTION OF THE WORK: Site for post rain inspection.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	IY, SM and EL onsite.
	Staff onsite to coduct post rain inspection.
10:00 AM	
	EL rebooted the security cameras, computer and downloaded data relating to police call outs.
11:00 AM	SM and IY donned raingear and walked the site. There was some blockage in the drain behind the enclosure. SM cleared the blockage.
	Some ponding was noted in different areas of the site. No ponding on the cap.
12:00 PM	No other blockages were noted. Weather became very inclement and staff returned to trailer. Staff filled post rain inspection forms.
	12.30 staff took lunch break.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	During torrential rain the trailer door was leaking. Staff mopped it up as best we could.

)ared by: Ian Yusko

Seamus McGeough

Signed: Seamus McGeough

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 1/21/2010

WEATHER: Temperature: 55 Winds: Gusty/strong Precipitation: Heavy

DESCRIPTION OF THE WORK: Post rain inspection.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
	12.30 pm IY and SM onsite for post rain inspection.
1:00 PM	Staff conducted tailgate safety meeting and donned rain gear.
	Staff walked the site. No signs of ponding except by the front gate.
	Some debris had accumulated in the drain outlets, staff cleared all outlets.
2:00 PM	
	Weather became very inclement, staff completed inspection and returned to trailer.
3:00 PM	Staff completed inspection forms.
4:00 PM	Staff secured site and departed.
5:00 PM	
Notes:	

:ared by: Ian Yusko

Seamus McGeough

Signed: Seamus McGeough

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 1/22/2010

WEATHER: Temperature: 55 Winds: Strong/Gusty Precipitation: Heavy

DESCRIPTION OF THE WORK: Post rain inspection.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM and SA onsite.
10:00 AM	Staff conducted tailgate safety meeting and donned PPE and rain gear.
	Staff walked the site. All drains and outlets were clear.
11:00 AM	No ponding on the cap. Ponding in the area of the front gate.
	Rain draining from the enclosure property, no ponding.
	Staff returned to trailer to fill out inspection forms. Weather very inclement.
12:00 PM	Staff secured site and departed.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Rain still leaking into trailer, staff mopped it up again. Front door may need repairs.

)pared by: Ian Yusko

Seamus McGeough

Signed: Seamus McGeough
Ian Yusko

C_2 REM

FIELD DAILY REPORT

OJECT NAME:	Del Amo Waste Pits	PAGE:	1 of 1
PROJECT NUMBER:	97-101	DATE:	1/25/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site Maintenance, Site Inspection after Pro One alarm

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	IY/SM arrive on-site
	Conduct Site inspection around enclosure & trailer to check for signs of trespassing,
	vandalism, etc. (no visual signs present)
1:00 PM	Groundworks Landscape on-site and on adjacent property performing duties
	Conduct oversight of Groundworks performing duties and wearing proper PPE
	Perform Site maintenance, Begin cleaning out Sea Train & Site Trailer
2:00 PM	Put away gear, Lock up Site
	IY/SM depart from Site
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

pared by: Ian Yusko

Seamus McGeough

Signed: Seamus McGeough

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 1/28/2010

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS & SVE/IBT Monitoring with Lab Samples, Perimeter Well Monitoring, Download security camera records, and Site Maintenance

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	IY/SM arrived at the site.
10:00 AM	
	SM/IY conducted monthly perimeter well monitoring, SA/EL arrived at site
	SA started organizing tools and materials, EL started downloading security camera records.
11:00 AM	
	SM/IY completed perimeter well monitoring
	All staff continues organizing tools and materials in Sea-Train and the site trailer.
12:00 PM	
1:00 PM	SA/SM conducted GCTS Monitoring.
	Lunch Break
2:00 PM	
	EL left the site
3:00 PM	SA conducted SVE/IBT Enclosure Monitoring and collected monthly lab samples.
	See monitoring form for field results.
4:00 PM	
	All staff left the site
5:00 PM	

Notes:

Prepared by: Shinta Aizawa Signed:

Ian Yusko

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 1/29/2010

WEATHER: Temperature: 72 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site Maintenance, H&S and O2 Generator Inspections

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
1:00 PM	IY/SM arrive on-site
	Staff conducts tailgate safety meeting
	IY conducts monthly H&S inspection, SM takes reading from effluent & checks effluent PID
2:00 PM	connections, staff shuts down SVE/IBT system
	IY/SM depart from Site
	Staff performs proper LOTO procedures then conducts O2 generator inspection
3:00 PM	IY/SM put away equipment, lock-up Site, and depart Site
4:00 PM	
5:00 PM	
Notes:	Staff recorded a 0.0ppm reading from the SVE/IBT effluent and all connections were correct
	Staff will remeasure the effluent next week and finish mainteance on Sea-train & trailer

pared by: Ian Yusko Signed: Ian Yusko

Seamus McGeough Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/2/2010

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Monitor effluent flow, change out all padlocks, site maintenance.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SM and IY onsite.
	Staff set all new combo locks.
12:00 PM	SM monitored the effluent stream. 0 reading.
	IY contiued to inventory all equipment, tools, parts and other items in the seatrain.
1:00 PM	Staff took lunch.
2:00 PM	Staff walked the site and replaced all key-locks with combination locks on gates and injection well cages.
	SM monitored effluent stream again. 0 reading.
3:00 PM	
	SM and IY continued to inventory Seatrain.
4:00 PM	Staff secured site and departed.
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: _____

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/8/2010

WEATHER: Temperature: 60 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Carbon changeout and Post rain inspection.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
	10.45 am SM and IY onsite.
11:00 AM	SM removed thermo couples from the carbon tanks.
	IY filled out all required forms for carbon change.
	IY and SM conducted Post Rain inspection of the site.
12:00 PM	
	11.15am Baker Corp onsite. SM took forklift out of Seatrain. Tailgate safety meeting.
	SM assisted Baker Corp with forklift.
1:00 PM	
	1pm Carbon change was completed and Baker Corp departed site.
	SM replaced the thermo couples, IY restarted the system. Staff took lunch.
2:00 PM	1.30 pm Staff secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/10/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi-Weekly Monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM, SA arrived at the site.
	Staff prepared equipment for monitoring.
	Staff conducted GCTS Monitoring, see the monitoring form for the results.
11:00 AM	Staff conducted SVE/IBT Enclosure Monitoring, see the monitoring form for the results.
	Staff left the site.
12:00 PM	
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Vapor sample from post ambient air could not be collected due to the presence of condensate.

Prepared by: Seamus McGeough

Shinta Aizawa

Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/11/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: System maintenance (purging condensate in the system and the pipes)

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	SM, IY, SA arrived at the site
	Staff prepared for purging condensate in the system and the conveyance pipes.
10:00 AM	Staff started purging condensate for the extraction/injection well individually.
	SM opened/closed valves at the manifold and monitored the condensaste volume, IY open/close well head to purge/flush condensate, SA control dilution flow at VNC Viewer as needed to control LEL.
	Condensate volumes are: #20A = 3gal, #6 = 2gal, #7 = 1.5 gal, #12 = 1.5gal, #10 = 15gal, #10 = 3.5gal, #1 = 3gal, #2 = 2gal, #11 = 1gal, #5 = 2gal
11:00 AM	About 20 gallons of condensate were sent to the air/moisture separator,
12:00 PM	
	Lunch Break
1:00 PM	SM, SA started adjusting flows at manifold.
	IY cleaned out and organized tools and materials in the C-train and the site trailer.
2:00 PM	
3:00 PM	
4:00 PM	Staff left the site.
Notes:	

Prepared by: Shinta Aizawa Signed:

Seamus McGeough, Ian Yusko

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/15/2010

WEATHER: Temperature: 73 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Pump water from ponding area

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM and IY onsite.
	Staff set up water pump and hose to pump water from ponding area at the front of the site.
10:00 AM	Staff pumped the water into the drainage channels.
11:00 AM	Staff dug a hole in the pond to facilitate pumping.
12:00 PM	
	12.30 staff took lunch.
1:00 PM	Staff had pumped as much water as possible from the area. Ground was still very wet, but should dry out.
	1.30 pm Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/18/2010

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Replace Insulation on system piping.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	Staff onsite, SM, SA and IY.
	SM conducted safe entry into the enclosure.
10:00 AM	
	Staff began removing all old insulation.
11:00 AM	
	Staff completed removal of insulation.
12:00 PM	
	12.30 staff took lunch.
1:00 PM	Staff returned to work, cutting and placing new insulation.
2:00 PM	
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	All insulation not replaced. Finish installation tomorrow.

Prepared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/19/2010

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Replace Insulation on system piping.

Time Line	
7:00 AM	
8:00 AM	8.30am Staff onsite, SM and SA
9:00 AM	SM conducted safe entry into the enclosure.
10:00 AM	
	Staff continued to replace insulation around piping.
11:00 AM	
	Staff completed replacment of insulation.
12:00 PM	
	Staff secured site and departed.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

Prepared by: Shinta Aizawa. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/22/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit to check security alarm alert.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
1:00 PM	
2:00 PM	
	2.30 pm, SM and SA onsite.
	SM and SA walk the site to check all gates and fencing.
3:00 PM	No signs of break in or damage to trailer or equipment onsite.
	Staff check all gates and locks. All were intact.
4:00 PM	4pm Staff secured site and departed.
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa. Signed:

Seamus McGeough

C_2 REM
FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/24/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi-weekly monitoring, lab samples, O2 generator inspection.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM and SA onsite.
	Staff had tailgate safety meeting and SA cleared the enclosure.
	Staff calibrated PID's, and monitored the GCTS system.
10:00 AM	
	Staff re-calibrated the PID's and monitored the SVE/IBT system.
	Staff took lab samples and stored in cooler.
11:00 AM	Staff shut down the system and locked out/tagged out O2 generator for inspection.
12:00 PM	Staff attempted to lock out remote access to computer.
	Staf rebooted the computer and restarted the system
1:00 PM	Staff took lunch.
	1.30 staff conducted monthly health and safety inspection.
2:00 PM	
	Stafff conducted monthly perimeter monitoring and attempted to locate survey points.
	2 points were located.
3:00 PM	
4:00 PM	Staff secured site and departed.
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/25/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Modifying secuirty camera recording setting, locating and placing flags on monument survey points, Health &Safety Inspection

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM, EL, SA arrived at the site.
	EL made a change for security camera recording settings.
	Staff began locating monument survey points.
11:00 AM	
	Staff completed putting flags at monument survey points.
12:00 PM	
	EL started troubleshooting PLC computer in Enclosure. SM, SA went to the undevelopped parcels to conduct site inspection and to chain and lock the gates
	The system shut down
1:00 PM	EL troubleshooted PLC computer.
2:00 PM	
3:00 PM	
	Staff left the site
4:00 PM	
5:00 PM	
Notes:	Troubleshooting si not complete, staff come back to the site next day.

Prepared by: Shinta Aizawa

Seamus McGeough

Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 2/26/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Troubleshooting PLC computer

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	EL, SA arrived at the site, the system was off.
	Staff conducted tailgate safety meeting
	Staff started troubleshooting PLC computer and network with Akins.
11:00 AM	Staff removed PLC computer from enclosure and brought it in the site trailer.
	PLC computer was connected to the router in the site trailer, and connection problem was solved.
	PLC computer was restared and it worked. Staff placed it back in enclosure.
12:00 PM	The system was started back on, and staff left the site.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

Prepared by: Shinta Aizawa Signed:

Edwin Lui

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/3/2010

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 1st QTLY full scale monitoring.

Time Line	
7:00 AM	
8:00 AM	
	8.30am IY, SM and SA onsite.
9:00 AM	
	SA and SM set up equipment. IY assessed repairs needed on W17.
	SM and SA opened all wells and took pressure readings. IY repaired W17.
10:00 AM	IY set up the purge system.
	10.30 SA shut the system down and locked it out. Staff calibrated the PID's
11:00 AM	IY began purging the wells and repairing any damaged/corroded monitoring ports.
	SM and SA followed and took readings with the PID and RKI, SM repaired and
	replace bolts missing from well boxes.
12:00 PM	
	12.30 staff took lunch.
1:00 PM	1pm staff resumed purging, monitoring and repairing wells.
2:00 PM	
3:00 PM	
4:00 PM	Staff completed monitoring all of the wells. Notes were taken on some well boxes that
	will need more extensive repairs.
	Staff packed up all equipment, cleaned instruments and secured the site.
5:00 PM	4.50pm All staff offsite.

Notes:

Prepared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/4/2010

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 1st quarterly full scale monitoring of SVE wells.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	Staff onsite. IY and SM
	Staff set up the purge system on the back of the truck.
	Staff discussed the purge times and procedure for monitoring the wells.
11:00 AM	Staff calibrated the PID's and comenced monitoring the wells.
12:00 PM	
	12.30 staff took lunch break.
1:00 PM	Staff recalibrated the PID's and continued monitoring the wells.
2:00 PM	
3:00 PM	
	3.30pm staff completed the monitoring. The purge system was unloaded and stored.
4:00 PM	Staff secured site and departed.
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/9/2010

WEATHER: Temperature: 55 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 5 year monument survey, replace 1 O2 sensor, and 1 LEL sensor.

Time Line	
7:00 AM	IY and SM onsite. DRC onsite.
	Staff conducted tailgate safety meeting, and filled out necessary forms.
8:00 AM	
	DRC located remaining survey points and established new control point.
9:00 AM	
	Staff shut down the system.
10:00 AM	
	SM performed safe entry into the enclosure.
11:00 AM	Staff set sensors for replacement.
	11.30 DRC surveyors offsite.
12:00 PM	Staff completed installation of O2 sensor.
	12.30 staff took lunch break.
1:00 PM	1pm staff returned to the enclosure and replaced the LEL sensor.
	SM took effluent sample to confirm accuracy of inline sensor.
2:00 PM	
	2.30 staff packed up all equipment, cleaned tools. Secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: _____

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/11/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi-weekly SVE/GCTS monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
	10.30am Staff onsite, IY and SM.
	Staff conducted tailgate safety meeting.
11:00 AM	SM conducted safe entry into the enclosure. IY prepared equipment and sampling
	bags. Staff calibrated the PID,s.
12:00 PM	Staff monitored the GCTS system and recorded the results.
	12.30 staff took lunch.
1:00 PM	1pm staff monitored the SVE system and recorded the results.
2:00 PM	Staff packed up all equipment, secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

Prepared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/23/2010

WEATHER: Temperature: 72 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Carbon changeout.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM and IY onsite.
	10.30 am Baker Corp onsite.
11:00 AM	SM removed forklift from seatrain, IY filled out all H & S paperwork and conducted tailgate safety meeting.
	Staff shut down the system and removed the thermo couples.
12:00 PM	
	Baker Corp conducted the carbon changeout.
1:00 PM	Staff assisted Baker with forklift movement.
	1.30pm Carbon changeout was completed.
2:00 PM	
	Staff attempted to restart the system. Staff could not connect to the PLC computer to control the system. Staff contacted AT&T, and were informed that work was being done
3:00 PM	in the area and would not be completed until later that evening.
	Staff ensured that power to the system was disconnected, secured the site and
4:00 PM	departed.
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: _____

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/24/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Troubleshoot VNC viewer, restart system. Prepare site for inspection.

Time Line	
7:00 AM	
8:00 AM	
	8.30am IY and SM onsite.
9:00 AM	Staff attempted to restart system and connect the VNC viewer. No connection.
	Staff contacted AT&T and established an internet connection. However no connection
10:00 AM	could be made to the PLC computer in the enclosure.
	IY continued to attempt to correct the problem and restart the system.
11:00 AM	
	SM cleaned up all trash blown onto the site, and cleaned out the v ditches.
12:00 PM	
	IY contacted IT and Prime systems rep to troubleshoot system problems.
1:00 PM	12.45 staff took lunch.
	1.15 staff resumed work. Staff took computer screen to enclosure to directly connect
	it to the PLC system.
2:00 PM	This was not successful, and Prime systems rep (Marc Smith) assessed that the PLC
	system was not functioning properly and would have to visit the site the troubleshoot.
3:00 PM	Staff ensured the power to the system was turned off. System remained off.
	Staff picked up trash around the perimeter of the site in preperation for 5 yr inspection.
4:00 PM	
5:00 PM	Staff secured site and departed.
Notes:	Prime systems onsite on 3/25/2010 to troubleshoot PLC, and VNC connections..

Prepared by: Ian Yusko Signed: [signature]

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/25/2010

WEATHER: Temperature: 80 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 5 year site inspection, troubleshoot, repair PLC, VNC connection.

Time Line	
	6.30am IY and SM onsite.
7:00 AM	
	Staff attempted to restart the system without success.
8:00 AM	
	8.30 Marc Smith from Prime systems onsite.
9:00 AM	EB and SK onsite for meeting with ITSI reps.
	ITSI reps onsite.
10:00 AM	EB and SK conducted site walk with ITSI.
	SM and IY assisted Marc Smith with computer repairs.
11:00 AM	SM offsite.
12:00 PM	
1:00 PM	
2:00 PM	SM return to site. Marc Smith and IY continued to install replacement computer, and
	associated software. The system was successfully started.
3:00 PM	
4:00 PM	
	4.30pm Marc Smith offsite.
5:00 PM	IY and SM offsite.
Notes:	

Prepared by: Ian Yusko Signed: _____

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 3/29/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit for monthly monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	9.30 IY and SM onsite.
	System running. Staff adjusted flows on the VNC viewer.
10:00 AM	
	C2rem office still unable to connect to the VNC viewer. Staff contacted Akins.
11:00 AM	Staff shut down the system to inspect all valves.
	Staff restarted the system.
12:00 PM	
	12.30 staff took lunch break.
1:00 PM	Staff monitored the GCTS system.
2:00 PM	Staff monitored the SVE/IBT system and took lab samples.
	Staff secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: _____

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 4/8/2010

WEATHER: Temperature: 80 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit for Bi-weekly monitoring, meeting with Prime Systems.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	9.45 am SA and SM onsite.
10:00 AM	System was running. SA checked the VNC viewer to assess system operations.
	Staff held a tailgate safety meeting. SM cleared the enclosure.
11:00 AM	SA calibrated the PID's. SM assembled the sampling bags and tubing.
	Staff sampled both systems.
12:00 PM	
	12.30pm Marc Smith from prime systems onsite.
1:00 PM	Staff took lunch.
	1.30 staff returned from lunch. SA worked with Prime Systems to update tags on the
2:00 PM	PLC system.
	SM walked the site and assesed progress of gopher abatement and moisture content
3:00 PM	of the cap.
	Staff assisted Prime Systems in changing the tags.
4:00 PM	Marc Smith offsite. SA contacted Akins about remotely accessing the system from the
	office. Staff secured the site and departed.
	Akins called SA to confirm the system could be accessed remotely.
5:00 PM	
Notes:	Discuss need to start watering the cap. Staff could not access the system remotely on
	returning to the office.

Prepared by: Shinta Aizawa Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 4/15/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Troube shoot inline O2 sensors, remove thermo couple from C2

Time Line	
7:00 AM	
8:00 AM	
	IY and SM onsite.
9:00 AM	
	Staff had tailgate safety meeting, SM performed safe entry into the enclosure.
10:00 AM	IY turned the system off.
	Staff calibrated the O2 sensors.
11:00 AM	
	SM removed thermocouple from C2.
12:00 PM	
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: _____

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 4/22/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi-weekly monitoring, lab samples, perimeter monitoring.

Time Line	
7:00 AM	
8:00 AM	
	8.30am IY, SM and SA onsite.
9:00 AM	Staff conducted tailgate safety meeting and performed safe entry to enclosure.
	SM and SA replaced the thermocouple on Carbon vessel 2.
10:00 AM	
	IY began replacing inline sensors.
11:00 AM	Staff monitored the GCTS system.
12:00 PM	Staff took lunch break.
	12.30 staff returned to work.
1:00 PM	Staff monitored the SVE system and took lab samples.
	Staff monitored the perimeter wells A,B,C,D and H.
2:00 PM	
	2.30 staff secured site and departed to deliver lab samples.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: [signature]

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 4/23/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: LEL Sensor Installation, Inlet Flow Adjustment

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SA/IY arrived at the site
	Staff installed LEL meter at AT4A.
	Sensor was zero dirfted, and staff fixed zero drift.
12:00 PM	Staff left the site to purchase parts (conduit elbow fittings)
1:00 PM	
	Staff returned to the site
	The senoser was successfully installed.
2:00 PM	Staff monitored the inlet flow.
	Staff increased blower to get inlet flow reach around 50 scfm.
3:00 PM	Staff left the site.
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa Signed:

Ian Yusko

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 5/7/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Carbon Changeout, bi-weekly monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	SM and SA onsite.
10:00 AM	Baker Corp onsite.
	SA removed thermo couples from carbon vessels.
11:00 AM	SM assisted Baker with forklift.
	SK and JR onsite.
12:00 PM	
	Carbon changeout complete. Baker offsite.
	Staff restarted the system
1:00 PM	Staff took lunch.
	Staff conducted Bi weekly monitoring of SVE and GCTS systems.
2:00 PM	
3:00 PM	
	3.30pm Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 5/10/2010

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site maintenance.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SM and SA onsite.
	Staff repaired front gate.
12:00 PM	Staff assessed materials needed to repair cluster well lids, and make them easier to lift and replace.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

Prepared by: Shinta Aizawa. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 5/12/2010

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site maintenance.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM and SA onsite.
10:00 AM	Staff attached a second handle to each of the cluster well lids for easier removal and replacement.
11:00 AM	
12:00 PM	Staff took lunch.
1:00 PM	Staff returned to work and completed placing handles on all of the cluster well lids.
2:00 PM	Staff secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

Prepared by: Shinta Aizawa. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 5/20/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi weekly monitoring, O2 generator inspection

Time Line	
7:00 AM	
8:00 AM	
	SM, SA and JR onsite.
9:00 AM	Staff calibrated equipment and performed safe entry to the enclosure.
10:00 AM	Staff monitored both the SVE and GCTS systems. Staff took lab samples from the SVE System.
11:00 AM	
12:00 PM	Monitoring and lab samples completed. Staff conducted O2 generator inspection.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

pared by: Shinta Aizawa, Jayram Reddi. Signed: Jayramreddi

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 5/25/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS Carbon changeout, perimeter monitoring and maintenance.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	IY and SM onsite.
	Baker onsite with new GCTS carbon vessels.
10:00 AM	
	Staff assisted Baker with loading spent vessels on truck.
	Staff placed the new vessels and reconnected all the piping.
11:00 AM	
	Staff restarted the GCTS system and monitored the flows.
12:00 PM	
	Staff took lunch.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: [signature]

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/4/2010

WEATHER: Temperature: 72 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Meet with Bugman, Bi-weekly monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM and SA onsite.
	Bugman onsite. SM showed bugman the monitoring well with the bees nest.
11:00 AM	Bugman arranged for technician to come to site to treat bees next week.
	Bugman offsite.
	SA calibrated the PIDs for monitoring. SM conducted safe entry into enclosure.
12:00 PM	Staff took samples from GCTS and SVE systems, and recorded the results.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/16/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 2nd Qtr Full Scale Monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	Staff arrived at the site
	Staff conducted tailgate safety meeting, and prepared equipment for monitoring
10:00 AM	Staff started monitoring pressure for all wells,
	Pressures were monitored with Magnehelic when the system was on.
11:00 AM	
12:00 PM	
1:00 PM	Staff started monitoring perimeter wells, vacuum performance wells, and cluster wells,
	Wells were purged for 3 pore volume before monitoring VOCs, LEL, O2, and CO2,
	VOCs were monitored with PID 3000 calibrated to 400 ppm isobutylene or PID 2000 calibrated to 5 ppm benzene
2:00 PM	
3:00 PM	
	Staff completed monitoring,
4:00 PM	Staff left the site
5:00 PM	
Notes:	Monitoring SVE Wells will be conducted next day

Prepared by: Shinta Aizawa Signed:

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/17/2010

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 2nd Qtr Full Scale Monitoring,SVE/IBT Carbon Change-out, sensor calibrations, O2 generator inspection

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SA, SM, IY arrived at site
	Staff conducted tail gate safety meeting and prepared for equipment for monitoring
	IY started monitoring perimeter wells, SA and SM started monitoring SVE wells
10:00 AM	VOCs were monitored with PID 3000 calibrated to 400 ppm isobutylene
	O2, CO2, LEL were monitored with RKI Eagle
	Baker Filtration arrived at the site to conduct carbon change-out
11:00 AM	
12:00 PM	Baker Filtration completed carbon change out and left the site
1:00 PM	
2:00 PM	IY, SM continued monitoring SVE wells, SA started calibrations for effluent PID and LEL sensors, inspected O2 generator
3:00 PM	
	Staff completed monitoring and calibrations,
4:00 PM	
	Staff left the site
5:00 PM	
Notes:	

pared by: Shinta Aizawa Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/18/2010

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS Monitoring, Enclosure Monitoring with lab samples, PLC maintenance

7:00 AM	
8:00 AM	
9:00 AM	SA, IY arrived at the site and met with Marc Smith from PrimeSystems
	Staff reviewed programming logics, tested in-line oxygen sensors
10:00 AM	AT2B oxygen sensor was faulting, staff found broken transmitter board,
	The transmitter board was replaced with the board from AT1B.
	Staff reviewed alarm code and VNC designs, discussed license of all PLC software
11:00 AM	
12:00 PM	Marc Smith left the site
1:00 PM	SA, IY conducted GCTS Monitoring and SE/IBT Enclosure Monitoring, collected lab samples,
2:00 PM	
3:00 PM	
	Staff left the site
4:00 PM	
5:00 PM	
Notes:	GCTS lead vessel efficiency was low, further inspection will be needed.

Prepared by: Shinta Aizawa Signed:

Ian Yusko

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/21/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Follow up monitoring for GCTS and Perimeter well B, set up email alarm for PLC computer

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SA, SM arrived at site
	Staff turned off SVE/IBT System and GCTS
11:00 AM	Staff opened air/moisture separator for GCTS and check condensate accumulation
	No condensate was observed and staff inspected all GCTS equipment
	Staff could not see any visible damage on GCTS equipments
12:00 PM	
	Staff replaced a valve and sampling port for perimeter well B
1:00 PM	Staff purged 5-6 well volumes, and monitored.
	PID picked up ~10 ppm
2:00 PM	Staff started the system, and monitored the well again.
	The reading was about 2 ppm.
3:00 PM	Staff set up email for PLC computer
4:00 PM	Staff left the site
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/22/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Install hard pipes and ampling ports in GCTS, follow up monitoring, in-line sensors calibrations

7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	SA, SM, IY arrived at the siste
	IY, SM installed extended metal pipes and sampling ports in GCTS lead vessel and secondary vessel
1:00 PM	SA calibrated all in-line oxygen sensors, adjusted zero-drifted LEL sensor (AT3A),
2:00 PM	
3:00 PM	Staff left the site
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/29/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS lead vessel carbon change-out, follow-up monitoring, site maintenance,

7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SA, SM arrived at the site
	Staff conducted GCTS lead vessel carbon change-out,
	Fresh carbon drum was installed at the secondary vessel position and the secondary vessel now became lead vessel,
12:00 PM	
	Staff conducted monthly Health & Safety Inspection
1:00 PM	
	Staff conducted GCTS follow-up monitoring,
2:00 PM	
3:00 PM	
4:00 PM	Staff left the site
Notes:	GCTS kept on running, another follow up monitoring will be conducted next day
	GCTS air/moisture separator was damaged, it needs to be replaced,

Prepared by: Shinta Aizawa Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 6/30/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Follow-up monitoring after GCTS lead vessel carbon change-out, site maintenance

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
	SA, SM arrived at the site
12:00 PM	
	Staff conducted GCTS monitoring
1:00 PM	Staff cleaned site trailer, V-ditch, Enclosure,
2:00 PM	Staff left for undeveloped parcel to inspect fences,
3:00 PM	
	Staff covered sand bags with tarp
4:00 PM	Staff left the site
5:00 PM	
Notes:	Staff irrigated the cap through the day

Prepared by: Shinta Aizawa Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 7/6/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS Carbon change-out, follow-up monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SA, SM arrived at the site
	Staff conducted tailgate safety meeting and prepared for change out equipment
11:00 AM	Baker Filtration arrived at the site to deliver one 55 gal fresh carbon drum (approximately 200 lb of fresh arbon), and staff conducted GCTS Carbon Change-out.
	Baker Filtration picked up two spent carbon drums and left the site
	Staff turned on GCTS and confirmed there was no leak
12:00 PM	
1:00 PM	Staff conducted GCTS follow-up monitoring
2:00 PM	Staff left the site
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Staff irrigated the cap through a day,

Prepared by: Shinta Aizawa Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 7/15/2010

WEATHER: Temperature: 90 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi-Weekly monitoring, monthly lab samples and perimert monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	IY and SM onsite.
	SM conducted safe entry into enclosure. IY calibrated PID;s and prepared sampling
11:00 AM	bags.
	Staff conducted Bi-weekly monitoring of GCTS and SVE systems.
	Staff took monthly lab samples from SVE system.
12:00 PM	
	12.30 staff offsite for lunch.
1:00 PM	Staff returned to site.
	Staff recalibrated equipment for perimeter monitoring.
2:00 PM	
	Staff monitored perimeter wells A, B, C, D and H.
3:00 PM	
	3.30pm Staff secured site and departed.
4:00 PM	Staff delivered samples to Test America Lab.
5:00 PM	
Notes:	

Prepared by: Ian Yusko Signed: [signature]

Seamus McGeough

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 7/21/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit to check the effluent concentration

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SA, SM arrived at the site.
	Staff conducted sniff test at the GCTS effluent stack.
	Staff shut down the system
12:00 PM	Staff left the site
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Carbon vessel needs a change-out

pared by: Shinta Aizawa Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 7/26/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Carbon changeout, irrigate the cap.

Time Line	
7:00 AM	
8:00 AM	
	8.45 am SM and SA onsite.
9:00 AM	Baker Corp onsite.
	SA locked out the system.
	SA removed thermocouples from Carbon tanks. SM removed forklift from Seatrain.
10:00 AM	
	SM assisted Baker with Carbon change, and GCTS carbon exchange.
11:00 AM	Staff irrigated the entire cap.
	11.30 Carbon change complete on both systems.
12:00 PM	SA removed locks from system and restarted both systems.
	Both systems were operating normally. Baker offsite.
1:00 PM	
	1.30pm Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: S. Aiwaza. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 7/29/2010

WEATHER: Temperature: 71 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi-Monthly GCTS/SVE monitoring, O2 Gen inspect, monthly H&S

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	9.30 am SA and SM onsite.
10:00 AM	Staff conducted safe entry to enclosure and calibrated PID's.
	Staff took samples from SVE system and recored readings.
11:00 AM	
	Staff took samples from GCTS and recorded readings.
12:00 PM	Staff took covers off O2 genarator and examined drive belts. One belt was cracked.
	Staff ordered new belts and will install on next visit.
1:00 PM	Staff conducted monthly Health and Safety inspection.
	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 8/2/2010

WEATHER: Temperature: 92 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Fix belts on O2 generator

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	S.M S.A and C.A on site. conducted safe entry into enclosure. Staff turned system off. Locked out/tagged out O2 gen staff replaced belts, Lubricated bearings, staff unlocked O2 gen and restarted system.
11:00 AM	Staff secured site and departed.
12:00 PM	
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

epared by: Shinta Aizawa,Carrie Alexander

Seamus McGeough

Signed:

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 8/12/2010

WEATHER: Temperature: 85 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Bi-Monthly GCTS/ SVE monitoring, monthly samples and perim monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	9:45 am SA and CA onsite.
10:00 AM	Staff conducted safe entry to enclosure and calibrated PID's and prepared sampling bags.
	KV and SM arrive on site.
	Staff monitored perimeter well for pressures.
11:00 AM	Staff conducted Bi-weekly monitoring of GCTS and SVE systems.
	Staff took monthly lab samples from SVE system.
12:00 PM	
1:00 PM	Staff takes lunch break on site.
	CA returns SM to Sea Crest.
2:00 PM	CA returns to site
	Staff shut down the system and monitored perimeter wells A,B,C,D and H for LEL, O2, CO2 and VOC's.
3:00 PM	Staff turned the system back on and commenced monitoring and secured site.
	Staff took photo documentation of fence destruction on undeveloped parcel and departed.
4:00 PM	
	Staff delivered samples to Test America Lab.
5:00 PM	
Notes:	

epared by: Carrie Alexander Signed:

Shinta Aizawa

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 8/16/2010

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit to investigate alarm, cameras, site maintenance.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM and SA onsite.
11:00 AM	System running. Staff checked GCTS effluent concentration. Readings indicated that carbon vessels were reaching saturation. Staff shut down the GCTS system.
12:00 PM	SM irrigated the cap. SA inspected and cleaned the V ditches. SM cleaned the enclosure and reattached some signs.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

pared by: Shinta Aizawa.
Seamus McGeough

Signed:

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 8/18/2010

WEATHER: Temperature: 82 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS monitoring due to high readings

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
1:00 PM	SM/CA arrive on site.
	Staff conducted tailgate safety meeting.
2:00 PM	Staff irrigated gas cap system.
	Staff conducted GCTS follow up monitoring.
3:00 PM	
	Staff departed the site.
4:00 PM	
5:00 PM	
Notes:	

)pared by: Carrie Alexander

Shinta Aizawa

Signed:

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 8/20/2010

WEATHER: Temperature: 82 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS monitoring due to high readings

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM/ CA arrive on site Staff conducts tailgate safety meeting
10:00 AM	Staff irrigates gas cap
11:00 AM	Staff conducted GCTS follow up monitoring.
12:00 PM	Staff departs the site
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

pared by: Carrie Alexander

Shinta Aizawa

Signed: Carrie Alexander

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 8/23/2010

WEATHER: Temperature: ~80 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site walk with USEPA Representatives

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
	SK/SA arrived at the site
	Staff prepared PPE for EPA visitors
1:00 PM	USEPA Representatives arrived at the site and staff conducted tailgate safety meeting
	Site walk/tour started
	EPA Representative left the site
2:00 PM	SK/SA left the site
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

pared by: Shinta Aizawa Signed:

C_2 REM
FIELD DAILY REPORT

DJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 8/25/2010

WEATHER: Temperature: ~80 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS Carbon change-out, SVE/IBT Enclosure Monitoring, GCTS Monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	SM/CA/SA arrived at the site
	Staff conducted tailgate safety meting
10:00 AM	Staff conducted carbon change-out for GCTS
	Staff conducted SVE/IBT Enclosure Monitoring
11:00 AM	
	Staff conducted GCTS Monitoring
12:00 PM	
	Staff left the site.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	See monitoring form for monitoring results. Spent carbon drums will be picked up by Baker Corp

pared by: Shinta Aizawa Signed:

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 8/30/2010

WEATHER: Temperature: 80 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS monitoring due to high readings

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SA/ CA arrived on site. Staff conducted tailgate safety meeting. Staff irrigated gas cap
12:00 PM	Staff conducted GCTS follow up monitoring
1:00 PM	Staff left the site.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

epared by: Carrie Alexander

Shinta Aizawa

Signed: Carrie Alexander

3/12

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 8/31/2010

WEATHER: Temperature: 72 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Monthly Health and Safety Inspection.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	CA and SM onsite.
	CA cleared the enclosure. System off awaiting Carbon change.
12:00 PM	Staff conducted walk through of enclosure and trailer.
	Staff inspected the V ditches and Fence as part of the monthly Inspection.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

epared by: Carrie Alexander.
Seamus McGeough

Signed: Carrie Alexander

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 9/1/2010

WEATHER: Temperature: ~80 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: SVE/IBT Carbon Change-out

7:00 AM	
8:00 AM	
9:00 AM	
	SM/CA/SA arrived at the site, met Baker Corp
	Staff conducted tailgate safety meeting and prepared for carbon change-out
10:00 AM	Sensors at carbon vessels were removed, and staff conducted lockout-tagout the breaker for SVE/IBT blowers
	SA conducted calibration for effluent PID,
11:00 AM	
12:00 PM	BakerCorp finished change-out and picked up GCTS spent carbon drums and SVE/IBT spent carbons,
	Staff started the system back up and checked operation parameters,
	Staff left the site
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Staff irrigated the cap during the carbon change-out

Prepared by: Shinta Aizawa

Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 9/7/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS monitoring due to high readings

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
	Staff arrives on site
1:00 PM	Staff conducts tailgate saftey meeting
	Staff conducts GCTS follow up monitoring
2:00 PM	Staff departs site.
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

Prepared by: Carrie Alexander

Shinta Aizawa

Signed: Carrie Alexander

C_2 REM
FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits
PAGE: 1 of 1
PROJECT NUMBER: 97-101
DATE: 9/9/2010
WEATHER: Temperature: 80 Winds: Slight Precipitation: None
DESCRIPTION OF THE WORK: SVE/IBT Enclosure Monitoring with Lab samples, GCTS Monitoirng/Confirmation Sampling

9:00 AM

10:00 AM SA/CA arrived at the site
Staff conducted tailgate safety meeting and prepared for monitoring and sampling

11:00 AM
Staff started monitoring and confirmation sampling for GCTS
Field monitoring was conducted before confirmation sampling
12:00 PM Confirmation samples were collected in 1L summa canisters and 200cc/min regulators.
Duplicate sample was collected at Inlet.

1:00 PM Staff started preparing for SVE/IBT Enclosure Monitoring
Monthly Lab samples were collected.

2:00 PM

3:00 PM Staff conducted O2 generator inspection, and adjusted zero-drift for in-line LEL sensor AT3A

Staff left the site
4:00 PM

Notes:

Sample ID	Summa Canister ID	Regulator ID	Final Vacuum
Inlet	LC072	A180	-5 Hg
C1	LC020	A264	-5 Hg
C2	LC322	A80	-5 Hg
Effluent	LC501	A282	-5 Hg
Duplicate	LC385	A274	-5 Hg

Prepared by: Shinta Aizawa
Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 9/20/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Full scale monitoring.

Time Line	
7:00 AM	
	7.30 am, SM, SA and CA onsite.
8:00 AM	SM conducted tailgate safety meeting.
	Staff began taking pressures from perimeter wells and then moved to the wells inside
9:00 AM	the fence.
10:00 AM	All well pressures were monitored and recorded.
11:00 AM	SA turned the system off.
	Staff offsite to monitor wells in undeveloped parcel.
12:00 PM	
	Staff returned to site, took lunch break.
1:00 PM	Staff calibrated PID's and set up purging system.
	SM purged the wells, CA and SA monitored the wells using PID and RKI.
2:00 PM	
	Staff recalibrated PID's and continued monitoring.
3:00 PM	
4:00 PM	Staff completed monitoring for the day. Secured site and departed.
5:00 PM	
Notes:	

Prepared by: Seamus McGeough

Shinta Aizawa, Carrie Alezander.

Signed: [illegible]

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 9/21/2010

WEATHER: Temperature: 63 Winds: Slight Precipitation: Light

DESCRIPTION OF THE WORK: Day 2 3rd qtly full scale monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	9.15am SM and SA onsite Staff conducted tailgate safety meeting and calibrated equipment.
10:00 AM	Staff purged and monitored remaining perimeter and cluster wells. Staff re-calibrated equipment and completed monitoring of perimeter and cluster wells.
11:00 AM	
12:00 PM	12.30 staff took lunch break.
1:00 PM	Staff set up purging system for monitoring of extraction wells. Staff purged and monitored all extraction wells and recorded results.
2:00 PM	
3:00 PM	
4:00 PM	4.30 staff completed monitoring. Staff successfully rebooted the security cameras.
5:00 PM	Staff offsite.

Notes:

Prepared by: Shinta Aizawa.

Seamus McGeough

Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 9/22/2010

WEATHER: Temperature: 63 Winds: Slight Precipitation: Light

DESCRIPTION OF THE WORK: Bi-weekly monitoring, follow up monitoring on perimeter wells B&H

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM, SA and CA onsite.
	Staff conducted tailgate safety meeting
	Staff calibrated PID's and tested on known benzene concentration. All PID's were
11:00 AM	reading within acceptable parameters.
	Staff monitored the GCTS system. Staff shut the system down as C1 was saturated.
12:00 PM	Staff went to perimeter well B, pulled a bag sample and monitored it. Staff then purged the
	well and pulled another bag sample. Results attached in appendices.
	Staff then repeated the same procedure on well H.
1:00 PM	Staff took lunch break.
	1.30 staff resumed work, monitoring the SVE system.
2:00 PM	
	Staff monitored the SVE system and recorded the results.
	2.30 SM and CA offsite.
3:00 PM	
4:00 PM	SM and CA return to site.
	4pm staff secured site and departed.
5:00 PM	
Notes:	

Prepared by: Shinta Aizawa. Carrie Alexander. Seamus McGeough

Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 9/28/2010

WEATHER: Temperature: 90 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Take lab samples from perimeter wells B and H.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
	12.30 CA, SM and SA onsite.
	Staff conducts 3rd Quarterly Inspection
1:00 PM	Staff set up purging system and calibrated equipment.
	Staff went to perimeter well B, purged the well, took a field sample and then a lab sample.
2:00 PM	
	Staff then went to well H and repeated the procedure. Field results were recored for comparison with lab results.
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

Prepared by: S McGeough

S. Aizawa, C. Alexander.

Signed: Carolyn Alexander

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 10/1/2010

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS Carbon change-out

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	SA, IY arrived at the site.
	Staff prepared equipment for GCTS carbon change out.
10:00 AM	Staff conducted GCTS carbon change-out. (one 55-galon carbon drum)
	Staff started the system, and checked effluent concentration.
11:00 AM	Staff shut down GCTS for the change-out
	Staff left the site.
12:00 PM	
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Carbon vessel needs a changed-out.

:pared by: Shinta Aizawa

Signed:

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 10/8/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: SVE/IBT Carbon change-out

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SA/CA arrived at the site Staff met Baker Corp and conducted tailgate safety meeting
10:00 AM	Staff removed thermometer from carbon vessels, and LOTO blowers.
11:00 AM	
12:00 PM	Baker Copr completed carbon change-out and left the site. Staff left the site.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

:pared by: Shinta Aizawa

Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 10/12/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: SVE/IBT Enclosure Monitoring&Lab Sampling, GCTS Carbon change-out and GCTS Monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
1:00 PM	SA/CA arrived at the site
	Staff conducted tail gate safety meeting
	Staff conducted GCTS carbon change-out
2:00 PM	
	Staff conducted SVE/IBT Enclosure Monitoring and collected lab samples
	Staff conducted GCTS Moniotrirng
3:00 PM	
4:00 PM	
	Staff left the site
5:00 PM	

Notes:

Prepared by: Shinta Aizawa

Signed:

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 10/18/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Inspection of security alarm system, GCTS follow up Monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SA/CA arrived at the site
	Staff conducted tail gate safety meeting and started GCTS Monitoring
	Protection one arrived at the site
11:00 AM	
	Protection One noticed loose wires in alarm system for zone 4 and repaired it.
	SA conducted oxgne generator inspection
12:00 PM	
	SA/CA left the site.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Monitoring results indicated GCTS was effectively working.

pared by: Shinta Aizawa

Signed:

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 10/20/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: Intermittant

DESCRIPTION OF THE WORK: Post rain inspection. Prepare equipment for pressure test.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
	10.30 SM and IY onsite.
11:00 AM	Staff conducted tailgate safety meeting and filled out necessary forms.
	Staff conducted site walk to assess site conditions following first heavy rain since Feb.
12:00 PM	
	Staff took lunch break.
1:00 PM	
	Staff assembled equipment and gauges necessary for pressure test.
2:00 PM	
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

epared by: Ian Yusko Signed: [signature]

Seamus McGeough

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 10/21/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: Intermittant

DESCRIPTION OF THE WORK: GCTS/SVE and perimeter well monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	IY and SM onsite.
	Staff conducted tailgate safety meeting and calibrated equipment.
11:00 AM	SM cleared the enclosure.
	Staff monitored the GCTS system and recorded the results.
12:00 PM	Staff monitored the SVE system and recorded the results.
	12.30 staff took lunch break.
1:00 PM	Staff returned to work and recalibrated the equipment for perimeter monitoring.
2:00 PM	Staff monitored perimeter wells A,B,C,D & H and recorded the results.
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

epared by: Ian Yusko Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 10/25/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Follow up monitoring, set up pressure testing equipment and test seals.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM, CA & SA onsite
	Team conducted tailgate safety meeting.
10:00 AM	Team calibrated the PID and CA conducted safe entry to the enclosure.
	Team conducted follow up monitoring on the GCTS system and recorded the results.
11:00 AM	
	Team assembled mechanism and equipment to pressurise the SVE conveyance piping.
12:00 PM	Team pressurised the manifold but lost pressure through the ball valves.
	No leaks were found at any of the manifold joints.
1:00 PM	Team took lunch.
	1.30. Team returned to work and attempted to pressurize the conveyance piping.
2:00 PM	
	Piping did not hold pressure due to leakage past the ball valves.
	Pressure test aborted until ball valves can be sealed.
3:00 PM	
	Staff packed up equipment, secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

epared by: Shinta Aizawa, Carrie Alexander.

Seamus McGeough

Signed:

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 10/26/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Reset flows, restart system.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM, CA and SA onsite.
11:00 AM	CA cleared the enclosure. SM and SA prepared equipment.
	Staff ensured all valves at the well heads were open. SA restarted the system.
12:00 PM	Staff began resetting flows by adjusting the valves on the manifold.
	Staff took lunch break.
1:00 PM	Staff rechecked the system flows and operation. System operating normally.
2:00 PM	
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	

Notes:

ɔpared by: S. Aizawa, C. Alexander
S. McGeough.

Signed:

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 11/4/2010

WEATHER: Temperature: 90 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Biweekly GCTS Monitoring, SVE-IBT Enclosure Monitoring, Monthly Lab Sampling

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SA, SM arrived at the site, Staff conducted tailgate safety meeting and started preparation of monitoring and sampling
12:00 PM	Staff conducted GCTS Monitoring and SVE-IBT Enclosure monitoring Staff collected monthly lab samples from SBE-IBT System
1:00 PM	Lunch Break
2:00 PM	Staff left the site.
3:00 PM	
4:00 PM	
Notes:	See Monitoring form for the results

pared by: Shinta Aizawa Signed:

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 11/9/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS Follow-up Monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
	SA, JR arrived at the site
	Staff conducted tailgate safety meeting and prepared for monitoring
11:00 AM	Staff conducted GCTS Monitoring
	Staff inspected equipments and in-line sensors
12:00 PM	Staff left the site
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

ɔpared by: Shinta Aizawa Signed:

C_2 REM

FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 11/15/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Follow up GCTS Monitoring

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
	SA/CA arrived at the site
11:00 AM	Staff prepared for monitoring
	Staff conducted follow up GCTS Monitoring
12:00 PM	
1:00 PM	Staff left the site
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	Carbon vessel 1 is saturated. Staff turned off the system.
	See monitoring form for the result,

ɔpared by: Shinta Aizawa Signed:

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 11/17/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: SVE system monitoring, perimeter well monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM and SA onsite.
	SM cleared the enclosure, SA calibrated equipment.
10:00 AM	Staff conducted bi monthly monitoring of the system and recorded the results.
11:00 AM	
	Staff conducted monthly perimeter well monitoring.
12:00 PM	
	Lunch break.
1:00 PM	Perimeter well monitoring completed.
2:00 PM	Staff did monthly H&S inspection.
	Staff secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

:pared by: S. Aizawa, S.McGeough. Signed:

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 11/19/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Carbon changeout of SVE and GCTS systems.

Time Line	
7:00 AM	
8:00 AM	SM, CA, and SA onsite.
	Baker corp onsite. SA conducted tailgate safety meeting and filled out permits.
9:00 AM	SM took forklift out of seatrain and positioned it for Baker corp. SA locked out system.
	SM and CA removed the thermo couples from the carbon vessels.
10:00 AM	Baker Corp proceeded with spent carbon extraction.
	Staff changed carbon drum on GCTS system, and move 2 to 1 position.
11:00 AM	Baker began refilling the carbon tanks. When final bag was opened they discovered that
	this bag contained the wrong carbon for vapor absorption.
	Baker left site to get one bag of correct carbon. CA and SM offsite.
12:00 PM	
	Baker returned and completed carbon changeout.
1:00 PM	SM and CA returned to site. Staff took lunch.
	Staff monitoried the GCTS system and recorded the results.
2:00 PM	
	Staff secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

epared by: C.Alexander, S. McGeough

S. Aizawa.

Signed: [illegible]

C_2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 11/22/2010

WEATHER: Temperature: 58 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Calibrate O2 sensors and LEL sensors.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	SM, CA and SA onsite. Groundworks landscapers onsite. SM conducted tailgate safety meeting. CA shut down the system and SA locked out the electrical panel.
12:00 PM	Staff removed injection side O2 sensor and replaced it. Repair not successful. New sensor needed. Staff calibrated remaining O2 sensors.
1:00 PM	Staff took lunch. Staff returned to work and completed calibration of sensors. Staff ensured all sensors
2:00 PM	replaced properly and tested for any leaks. None detected. SA unlocked the control panel. CA restarted the system. SM checked all connections with PID. No leaks detected. Staff secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

pared by: S. Mc Geough, S. Aizawa. C. Alexander.

Signed: [illegible]

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 11/24/2010

WEATHER: Temperature: 60 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS follow up monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
	SM and CA onsite. Staff had tailgate safety meeting.
	SM cleared the enclosure. CA calibrated the PID.
11:00 AM	Staff took bag samples from the GCTS system and recorded the results.
12:00 PM	Staff secured site and departed.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

)ared by: S. McGeough, C. Alexander. Signed:

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 11/30/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS

Time Line	
7:00 AM	
8:00 AM	
	SM and CA onsite.
	BW onsite. BW restarted the system, and SM rebooted the computers to reconnect
9:00 AM	to the office. Mark Smith of Prime systems onsite.
	CA calibrated the PID's and cleared the enclosure.
	Staff conducted bi weekly monitoring of SVE system and recorded the results.
10:00 AM	
	System was shut down due to Prime systems replacing PLC computer.
11:00 AM	Staff monitored the GCTS system and recored the results.
	Staff packed up equipment and departed. BW and Prime systems remained onsite.
12:00 PM	
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

)ared by: C. Alexander, S McGeough. Signed: Chris Alexander

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/1/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 4th Quarter Full Scale monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM, CA and SA onsite.
	Staff conducted tailgate safety meeting.
	SM prepared equipment and tools to open wells.
10:00 AM	SA and CA calibrated monitoring equipment.
	Staff proceeded to the perimeter wells and recorded the pressure readings.
11:00 AM	
12:00 PM	Staff shut down the system and took lunch break.
	Staff returned to work. IY onsite.
1:00 PM	
	IY purged the wells, SA, CA took readings and recored the results. SM closed the lids.
2:00 PM	
	Staff continued monitoring using the above procedure until daylight faded.
3:00 PM	
4:00 PM	
	Staff secured site and departed.
5:00 PM	
Notes:	

)ared by: S. McGeough, S.Aizawa. C. Alexander, I. Yusko.

Signed: [illegible]

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 12/2/2010

WEATHER: Temperature: 65 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: 4th qtr full scale monitoring day 2.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	CA,SM and SA onsite.
	Staff calibrated the equipment and resumed monitoring of remaining cluster wells.
10:00 AM	
	SM purged the wells, SA and CA monitored the wells and recorded the results.
11:00 AM	
12:00 PM	Staff completed monitoring of the cluster wells. Staff set up purging system for SVE wells.
	Staff took lunch.
1:00 PM	Staff resumed work purging and monitoring the SVE wells.
2:00 PM	SM purged the wells. SA and CA monitored the wells, recorded the results and reopened the wells.
3:00 PM	
4:00 PM	Staff completed monitoring of all SVE wells.
	Staff restarted the system, secured the site and departed.
5:00 PM	
Notes:	

)ared by: C. Alexander, S. Aizawa.

S.McGeough.

Signed: [signature]

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/6/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Follow up GCTS monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM and CA onsite. System running. CA calibrated equipment and cleared the enclosure.
11:00 AM	SM prepared sampling bags and equipment.
12:00 PM	Staff monitored the GCTS system and recorded the results.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

)ared by: S. Mc Geough

C. Alexander

Signed:

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/7/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Pressure testing of conveyance piping.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	CA, SM and SA onsite.
	Staff conducted tailgate safety meeting regarding pressure testing safety issues.
11:00 AM	SA turned off the system. CA and SM set up pressure testing equipment.
	Staff closed extraction wells and pressurized the conveyance piping.
12:00 PM	System lost pressure. Staff checked all connections. Connections were retaped and tightened.
	Staff took lunch break. IY onsite.
1:00 PM	Staff resumed work.
	Staff pressurized the system again. Some pressure loss was recorded.
2:00 PM	
	Staff moved on to test the Oxygen conveyance piping.
3:00 PM	Staff pressurized the O2 piping system. The O2 system held pressure with no loss.
	Staff stored all testing equipmen.
4:00 PM	Staff secured site and departed.
5:00 PM	
Notes:	

)ared by: Seamus McGeough Signed: [signature]

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/8/2010

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Pressure testing conveyance piping.

Time Line

7:00 AM

8:00 AM

SA, CA and SM onsite.

9:00 AM

Staff set up pressure testing equipment.

Staff began pressure testing each of the SVE lines individually.

10:00 AM

Staff began with SVE 20a and worked from right to left at the rear of the manifold.

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

5:00 PM

Notes:

)ared by: Seamus McGeough Signed: SM

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/9/2010

WEATHER: Temperature: 60 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Pressure test conveyance piping.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM and SA onsite.
	Staff held tailgate safety meeting.
10:00 AM	Staff prepared equipment to pressure test injection piping.
	SM opened injection well cages.
	Staff test all four injection wells. Results were noted.
11:00 AM	
	Staff monitored perimeter well B' to confirm full scale monitoring results.
12:00 PM	
	Staff took lunch break.
1:00 PM	Staff returned to work.
	Staff re-aligned the flame arrestor on the effluent piping.
2:00 PM	Staff packed up all equipment and closed injection well cages.
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	

Notes:

)ared by: S. Mc Geough

S. Aizawa.

Signed:

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/10/2010

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Purge conveyance piping, restart system, reset flows.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	SM, CA and SA onsite.
	Staff held tailgate safety meeting.
10:00 AM	Staff ensured that all the ball valves at the well heads were open. Staff check that all valves at the manifold were sealed and ball valves open.
11:00 AM	The system was restarted. SA controlled the purge valve from the touch screen in the enclosure, CA controlled the ball valve on the manifold and SM monitored the liquid flow throught he piping. All extraction pipes were purged.
12:00 PM	About 8 gallons of liquid accumulated in the moisture seperation tank.
	Staff took lunch break.
1:00 PM	Staff returned to work. SA and CA began setting the flows. SM offsite.
2:00 PM	CA and SA adjusted the flows for extracion and injection system.
3:00 PM	CA and SA stored all equipment and secured site.
	SM returned to site. All staff offsite.
4:00 PM	
5:00 PM	
Notes:	

)pared by: S. Aizawa, C.Alexander S.McGeough. Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/13/2010

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS follow up monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM and CA onsite. BW onsite taking measurements.
	Staff had tailgate safety meeting.
11:00 AM	CA Cleared the enclosure and calibrated the equipment.
	Staff sampled the gcts system.
12:00 PM	BW offsite.
1:00 PM	Staff secured site and departed.
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

pared by: C.Alexander.
S.McGeough.

Signed: Carrie Alexander

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/14/2010

WEATHER: Temperature: 58 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Repair conveyance piping.

Time Line	
7:00 AM	
8:00 AM	
	SM, CA and IY onsite.
	System running. Staff shut the system down.
9:00 AM	Using notes from pressure testing staff were able to isolate piping that was not holding pressure.
10:00 AM	Staff located the piping and the sources of the pressure loss.
11:00 AM	Staff repaired the piping.
12:00 PM	Staff took lunch break.
	Staff pressurized the piping to test repairs. Pressure did not drop.
1:00 PM	
2:00 PM	Staff secured site and departed.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

)ared by: C.Alexander. I. Yusko Signed:

S.McGeough.

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits

PAGE: 1 of 1

PROJECT NUMBER: 97-101

DATE: 12/15/2011

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	S.M. and C.A. arrive on site
	Staff breaks for lunch
	Staff conducts tailgate safety meeting
1:00 PM	Staff commences Bi-weekly monitoring of GCTS system
	Staff commences Bi-weekly monitoring of SVE/IBT system
2:00 PM	Staff takes monthly Lab samples of SVE system
	Staff locks up site and departs
3:00 PM	Staff delivers monthly lab samples to Test America
4:00 PM	
5:00 PM	

Notes:

)ared by: C.Alexander

Signed: C Alexander

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/20/2011

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	S.M and C.A. arrive on site
	staff conduct tailgate safety meeting
10:00 AM	staff commences Post Rain inspection
11:00 AM	
12:00 PM	staff breaks for lunch
	staff finalizes post rain inspection
1:00 PM	Staff locks up site and departs
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

pared by: C.Alexander Signed: C.Alexander

C_2 REM

FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/23/2011

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	C.A. and K.V. arrive on site
	staff conducts tailgate safety meeting
	K.V. commences Post Rain Inspection
11:00 AM	C.A. commences follow-up monitoring
12:00 PM	staff secures site and departs
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

)ared by: C.Alexander Signed: C. Alexander

C_2 REM
FIELD DAILY REPORT

)JECT NAME: Del Amo Waste Pits PAGE: 1 of 1

PROJECT NUMBER: 97-101 DATE: 12/27/2011

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: GCTS

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	S.M., K.V. and C.A. arrive on site
	Staff conducts tailgate safety meeting
	Staff commences Bi-weekly monitoring of GCTS system
11:00 AM	Staff commences Bi-weekly monitoring of SVE/IBT system
12:00 PM	Staff secures site and departs
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

)ared by: Signed: C. Alegal

2010 LABORATORY DATA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 01/28/10
Received: 01/28/10
Issued: 02/10/10 08:37

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITA2462-01	Effluent	Air
ITA2462-02	Carbon 1	Air
ITA2462-03	Post Ambient Air	Air
ITA2462-04	Inlet	Air
ITA2462-05	Inlet Dup	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10A2868	1.6	ND	1	1/29/2010	1/29/2010	
Bromobenzene	EPA 8260B MOD	10A2868	0.78	ND	1	1/29/2010	1/29/2010	
Bromochloromethane	EPA 8260B MOD	10A2868	0.94	ND	1	1/29/2010	1/29/2010	
Bromodichloromethane	EPA 8260B MOD	10A2868	0.75	ND	1	1/29/2010	1/29/2010	
Bromoform	EPA 8260B MOD	10A2868	0.48	ND	1	1/29/2010	1/29/2010	
Bromomethane	EPA 8260B MOD	10A2868	1.3	ND	1	1/29/2010	1/29/2010	
n-Butylbenzene	EPA 8260B MOD	10A2868	0.91	ND	1	1/29/2010	1/29/2010	
sec-Butylbenzene	EPA 8260B MOD	10A2868	0.91	ND	1	1/29/2010	1/29/2010	
tert-Butylbenzene	EPA 8260B MOD	10A2868	0.91	ND	1	1/29/2010	1/29/2010	
Carbon tetrachloride	EPA 8260B MOD	10A2868	0.79	ND	1	1/29/2010	1/29/2010	
Chlorobenzene	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
Chloroethane	EPA 8260B MOD	10A2868	1.9	ND	1	1/29/2010	1/29/2010	
Chloroform	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
Chloromethane	EPA 8260B MOD	10A2868	2.4	ND	1	1/29/2010	1/29/2010	
2-Chlorotoluene	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
4-Chlorotoluene	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
Dibromochloromethane	EPA 8260B MOD	10A2868	0.59	ND	1	1/29/2010	1/29/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10A2868	0.65	ND	1	1/29/2010	1/29/2010	
Dibromomethane	EPA 8260B MOD	10A2868	0.70	ND	1	1/29/2010	1/29/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10A2868	0.83	ND	1	1/29/2010	1/29/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10A2868	0.83	ND	1	1/29/2010	1/29/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10A2868	0.83	ND	1	1/29/2010	1/29/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
1,1-Dichloroethane	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
1,2-Dichloroethane	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
1,1-Dichloroethene	EPA 8260B MOD	10A2868	1.3	ND	1	1/29/2010	1/29/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10A2868	1.3	ND	1	1/29/2010	1/29/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10A2868	1.3	ND	1	1/29/2010	1/29/2010	
1,2-Dichloropropane	EPA 8260B MOD	10A2868	1.1	ND	1	1/29/2010	1/29/2010	
1,3-Dichloropropane	EPA 8260B MOD	10A2868	1.1	ND	1	1/29/2010	1/29/2010	
2,2-Dichloropropane	EPA 8260B MOD	10A2868	1.1	ND	1	1/29/2010	1/29/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10A2868	1.1	ND	1	1/29/2010	1/29/2010	L
trans-1,3-Dichloropropene	EPA 8260B MOD	10A2868	1.1	ND	1	1/29/2010	1/29/2010	
1,1-Dichloropropene	EPA 8260B MOD	10A2868	1.1	ND	1	1/29/2010	1/29/2010	
Ethylbenzene	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
Hexachlorobutadiene	EPA 8260B MOD	10A2868	0.47	ND	1	1/29/2010	1/29/2010	
Isopropylbenzene	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
p-Isopropyltoluene	EPA 8260B MOD	10A2868	0.91	ND	1	1/29/2010	1/29/2010	
Methylene chloride	EPA 8260B MOD	10A2868	1.4	ND	1	1/29/2010	1/29/2010	
Naphthalene	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
Styrene	EPA 8260B MOD	10A2868	2.4	ND	1	1/29/2010	1/29/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10A2868	0.73	ND	1	1/29/2010	1/29/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10A2868	0.73	ND	1	1/29/2010	1/29/2010	
Tetrachloroethene	EPA 8260B MOD	10A2868	0.74	ND	1	1/29/2010	1/29/2010	
Toluene	EPA 8260B MOD	10A2868	1.3	ND	1	1/29/2010	1/29/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10A2868	0.67	ND	1	1/29/2010	1/29/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10A2868	0.67	ND	1	1/29/2010	1/29/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10A2868	0.92	ND	1	1/29/2010	1/29/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10A2868	0.92	ND	1	1/29/2010	1/29/2010	
Trichloroethene	EPA 8260B MOD	10A2868	0.93	ND	1	1/29/2010	1/29/2010	
Trichlorofluoromethane	EPA 8260B MOD	10A2868	0.89	ND	1	1/29/2010	1/29/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10A2868	0.83	ND	1	1/29/2010	1/29/2010	
1 2,4-Trimethylbenzene	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
,5-Trimethylbenzene	EPA 8260B MOD	10A2868	1.0	ND	1	1/29/2010	1/29/2010	
nyl chloride	EPA 8260B MOD	10A2868	2.0	ND	1	1/29/2010	1/29/2010	
m,p-Xylenes	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
o-Xylene	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10A2868	1.3	ND	1	1/29/2010	1/29/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10A2868	1.4	ND	1	1/29/2010	1/29/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10A2868	1.2	ND	1	1/29/2010	1/29/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10A2868	17	ND	1	1/29/2010	1/29/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10A2868	80	**2000**	50	1/29/2010	1/29/2010	
Bromobenzene	EPA 8260B MOD	10A2868	39	ND	50	1/29/2010	1/29/2010	
Bromochloromethane	EPA 8260B MOD	10A2868	47	ND	50	1/29/2010	1/29/2010	
Bromodichloromethane	EPA 8260B MOD	10A2868	38	ND	50	1/29/2010	1/29/2010	
Bromoform	EPA 8260B MOD	10A2868	24	ND	50	1/29/2010	1/29/2010	
Bromomethane	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
n-Butylbenzene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
sec-Butylbenzene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
tert-Butylbenzene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Carbon tetrachloride	EPA 8260B MOD	10A2868	40	ND	50	1/29/2010	1/29/2010	
Chlorobenzene	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
Chloroethane	EPA 8260B MOD	10A2868	95	ND	50	1/29/2010	1/29/2010	
Chloroform	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
Chloromethane	EPA 8260B MOD	10A2868	120	ND	50	1/29/2010	1/29/2010	
2-Chlorotoluene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
4-Chlorotoluene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
Dibromochloromethane	EPA 8260B MOD	10A2868	30	ND	50	1/29/2010	1/29/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10A2868	32	ND	50	1/29/2010	1/29/2010	
Dibromomethane	EPA 8260B MOD	10A2868	35	ND	50	1/29/2010	1/29/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
1,1-Dichloroethane	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
1,2-Dichloroethane	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
1,1-Dichloroethene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
1,2-Dichloropropane	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
1,3-Dichloropropane	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
2,2-Dichloropropane	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	L
trans-1,3-Dichloropropene	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
1,1-Dichloropropene	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
Ethylbenzene	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
Hexachlorobutadiene	EPA 8260B MOD	10A2868	24	ND	50	1/29/2010	1/29/2010	
Isopropylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
p-Isopropyltoluene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Methylene chloride	EPA 8260B MOD	10A2868	70	ND	50	1/29/2010	1/29/2010	
Naphthalene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	

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2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
Styrene	EPA 8260B MOD	10A2868	120	ND	50	1/29/2010	1/29/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10A2868	36	ND	50	1/29/2010	1/29/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10A2868	36	ND	50	1/29/2010	1/29/2010	
Tetrachloroethene	EPA 8260B MOD	10A2868	37	ND	50	1/29/2010	1/29/2010	
Toluene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10A2868	34	ND	50	1/29/2010	1/29/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10A2868	34	ND	50	1/29/2010	1/29/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Trichloroethene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Trichlorofluoromethane	EPA 8260B MOD	10A2868	44	ND	50	1/29/2010	1/29/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
Vinyl chloride	EPA 8260B MOD	10A2868	100	ND	50	1/29/2010	1/29/2010	
m,p-Xylenes	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
o-Xylene	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10A2868	70	ND	50	1/29/2010	1/29/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10A2868	850	ND	50	1/29/2010	1/29/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10A2868	80	**1800**	50	1/29/2010	1/29/2010	
Bromobenzene	EPA 8260B MOD	10A2868	39	ND	50	1/29/2010	1/29/2010	
Bromochloromethane	EPA 8260B MOD	10A2868	47	ND	50	1/29/2010	1/29/2010	
Bromodichloromethane	EPA 8260B MOD	10A2868	38	ND	50	1/29/2010	1/29/2010	
Bromoform	EPA 8260B MOD	10A2868	24	ND	50	1/29/2010	1/29/2010	
Bromomethane	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
n-Butylbenzene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
sec-Butylbenzene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
tert-Butylbenzene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Carbon tetrachloride	EPA 8260B MOD	10A2868	40	ND	50	1/29/2010	1/29/2010	
Chlorobenzene	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
Chloroethane	EPA 8260B MOD	10A2868	95	ND	50	1/29/2010	1/29/2010	
Chloroform	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
Chloromethane	EPA 8260B MOD	10A2868	120	ND	50	1/29/2010	1/29/2010	
2-Chlorotoluene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
4-Chlorotoluene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
Dibromochloromethane	EPA 8260B MOD	10A2868	30	ND	50	1/29/2010	1/29/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10A2868	32	ND	50	1/29/2010	1/29/2010	
Dibromomethane	EPA 8260B MOD	10A2868	35	ND	50	1/29/2010	1/29/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
1,1-Dichloroethane	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
1,2-Dichloroethane	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
1,1-Dichloroethene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
1,2-Dichloropropane	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
1,3-Dichloropropane	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
2,2-Dichloropropane	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	L
trans-1,3-Dichloropropene	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
1,1-Dichloropropene	EPA 8260B MOD	10A2868	55	ND	50	1/29/2010	1/29/2010	
Ethylbenzene	EPA 8260B MOD	10A2868	60	**76**	50	1/29/2010	1/29/2010	
Hexachlorobutadiene	EPA 8260B MOD	10A2868	24	ND	50	1/29/2010	1/29/2010	
Isopropylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
p-Isopropyltoluene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Methylene chloride	EPA 8260B MOD	10A2868	70	ND	50	1/29/2010	1/29/2010	
Naphthalene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	

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2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
Styrene	EPA 8260B MOD	10A2868	120	ND	50	1/29/2010	1/29/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10A2868	36	ND	50	1/29/2010	1/29/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10A2868	36	ND	50	1/29/2010	1/29/2010	
Tetrachloroethene	EPA 8260B MOD	10A2868	37	ND	50	1/29/2010	1/29/2010	
Toluene	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10A2868	34	ND	50	1/29/2010	1/29/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10A2868	34	ND	50	1/29/2010	1/29/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Trichloroethene	EPA 8260B MOD	10A2868	46	ND	50	1/29/2010	1/29/2010	
Trichlorofluoromethane	EPA 8260B MOD	10A2868	44	ND	50	1/29/2010	1/29/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10A2868	42	ND	50	1/29/2010	1/29/2010	
1 2,4-Trimethylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
,5-Trimethylbenzene	EPA 8260B MOD	10A2868	50	ND	50	1/29/2010	1/29/2010	
nyl chloride	EPA 8260B MOD	10A2868	100	ND	50	1/29/2010	1/29/2010	
m,p-Xylenes	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
o-Xylene	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10A2868	65	ND	50	1/29/2010	1/29/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10A2868	70	ND	50	1/29/2010	1/29/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10A2868	60	ND	50	1/29/2010	1/29/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10A2868	850	ND	50	1/29/2010	1/29/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10A2868	320	**14000**	200	1/29/2010	1/29/2010	
Bromobenzene	EPA 8260B MOD	10A2868	160	ND	200	1/29/2010	1/29/2010	
Bromochloromethane	EPA 8260B MOD	10A2868	190	ND	200	1/29/2010	1/29/2010	
Bromodichloromethane	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
Bromoform	EPA 8260B MOD	10A2868	96	ND	200	1/29/2010	1/29/2010	
Bromomethane	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
n-Butylbenzene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
sec-Butylbenzene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
tert-Butylbenzene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
Carbon tetrachloride	EPA 8260B MOD	10A2868	160	ND	200	1/29/2010	1/29/2010	
Chlorobenzene	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
Chloroethane	EPA 8260B MOD	10A2868	380	ND	200	1/29/2010	1/29/2010	
Chloroform	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
Chloromethane	EPA 8260B MOD	10A2868	480	ND	200	1/29/2010	1/29/2010	
2-Chlorotoluene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
4-Chlorotoluene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
Dibromochloromethane	EPA 8260B MOD	10A2868	120	ND	200	1/29/2010	1/29/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10A2868	130	ND	200	1/29/2010	1/29/2010	
Dibromomethane	EPA 8260B MOD	10A2868	140	ND	200	1/29/2010	1/29/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
1,1-Dichloroethane	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
1,2-Dichloroethane	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
1,1-Dichloroethene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
1,2-Dichloropropane	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
1,3-Dichloropropane	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
2,2-Dichloropropane	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	L
trans-1,3-Dichloropropene	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
1,1-Dichloropropene	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
Ethylbenzene	EPA 8260B MOD	10A2868	240	**550**	200	1/29/2010	1/29/2010	
Hexachlorobutadiene	EPA 8260B MOD	10A2868	94	ND	200	1/29/2010	1/29/2010	
Isopropylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
p-Isopropyltoluene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
Methylene chloride	EPA 8260B MOD	10A2868	280	ND	200	1/29/2010	1/29/2010	
Naphthalene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	

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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
Styrene	EPA 8260B MOD	10A2868	480	ND	200	1/29/2010	1/29/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
Tetrachloroethene	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
Toluene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10A2868	130	ND	200	1/29/2010	1/29/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10A2868	130	ND	200	1/29/2010	1/29/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
Trichloroethene	EPA 8260B MOD	10A2868	190	ND	200	1/29/2010	1/29/2010	
Trichlorofluoromethane	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
Vinyl chloride	EPA 8260B MOD	10A2868	400	ND	200	1/29/2010	1/29/2010	
m,p-Xylenes	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
o-Xylene	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10A2868	280	ND	200	1/29/2010	1/29/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10A2868	3400	ND	200	1/29/2010	1/29/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-05 (Inlet Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10A2868	320	**15000**	200	1/29/2010	1/29/2010	
Bromobenzene	EPA 8260B MOD	10A2868	160	ND	200	1/29/2010	1/29/2010	
Bromochloromethane	EPA 8260B MOD	10A2868	190	ND	200	1/29/2010	1/29/2010	
Bromodichloromethane	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
Bromoform	EPA 8260B MOD	10A2868	96	ND	200	1/29/2010	1/29/2010	
Bromomethane	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
n-Butylbenzene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
sec-Butylbenzene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
tert-Butylbenzene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
Carbon tetrachloride	EPA 8260B MOD	10A2868	160	ND	200	1/29/2010	1/29/2010	
Chlorobenzene	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
Chloroethane	EPA 8260B MOD	10A2868	380	ND	200	1/29/2010	1/29/2010	
Chloroform	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
Chloromethane	EPA 8260B MOD	10A2868	480	ND	200	1/29/2010	1/29/2010	
2-Chlorotoluene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
4-Chlorotoluene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
Dibromochloromethane	EPA 8260B MOD	10A2868	120	ND	200	1/29/2010	1/29/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10A2868	130	ND	200	1/29/2010	1/29/2010	
Dibromomethane	EPA 8260B MOD	10A2868	140	ND	200	1/29/2010	1/29/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
1,1-Dichloroethane	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
1,2-Dichloroethane	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
1,1-Dichloroethene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
1,2-Dichloropropane	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
1,3-Dichloropropane	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
2,2-Dichloropropane	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	L
trans-1,3-Dichloropropene	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
1,1-Dichloropropene	EPA 8260B MOD	10A2868	220	ND	200	1/29/2010	1/29/2010	
Ethylbenzene	EPA 8260B MOD	10A2868	240	**720**	200	1/29/2010	1/29/2010	
Hexachlorobutadiene	EPA 8260B MOD	10A2868	94	ND	200	1/29/2010	1/29/2010	
Isopropylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
p-Isopropyltoluene	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
Methylene chloride	EPA 8260B MOD	10A2868	280	ND	200	1/29/2010	1/29/2010	
Naphthalene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-05 (Inlet Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
Styrene	EPA 8260B MOD	10A2868	480	ND	200	1/29/2010	1/29/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
Tetrachloroethene	EPA 8260B MOD	10A2868	150	ND	200	1/29/2010	1/29/2010	
Toluene	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10A2868	130	ND	200	1/29/2010	1/29/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10A2868	130	ND	200	1/29/2010	1/29/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
Trichloroethene	EPA 8260B MOD	10A2868	190	ND	200	1/29/2010	1/29/2010	
Trichlorofluoromethane	EPA 8260B MOD	10A2868	180	ND	200	1/29/2010	1/29/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10A2868	170	ND	200	1/29/2010	1/29/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10A2868	200	ND	200	1/29/2010	1/29/2010	
nyl chloride	EPA 8260B MOD	10A2868	400	ND	200	1/29/2010	1/29/2010	
m,p-Xylenes	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
o-Xylene	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10A2868	260	ND	200	1/29/2010	1/29/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10A2868	280	ND	200	1/29/2010	1/29/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10A2868	240	ND	200	1/29/2010	1/29/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10A2868	3400	ND	200	1/29/2010	1/29/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITA2462-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10A3007	0.10	**2.2**	1	1/30/2010	1/30/2010	
Carbon Monoxide	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Methane	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Nitrogen	ASTM D1946-90	10A3007	20	**77**	1	1/30/2010	1/30/2010	
Oxygen	ASTM D1946-90	10A3007	5.5	**21**	1	1/30/2010	1/30/2010	
Sample ID: ITA2462-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10A3007	0.10	**2.1**	1	1/30/2010	1/30/2010	
Carbon Monoxide	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Methane	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Nitrogen	ASTM D1946-90	10A3007	20	**77**	1	1/30/2010	1/30/2010	
Oxygen	ASTM D1946-90	10A3007	5.5	**21**	1	1/30/2010	1/30/2010	
Sample ID: ITA2462-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10A3007	0.10	**1.9**	1	1/30/2010	1/30/2010	
Carbon Monoxide	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Methane	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Nitrogen	ASTM D1946-90	10A3007	20	**78**	1	1/30/2010	1/30/2010	
Oxygen	ASTM D1946-90	10A3007	5.5	**21**	1	1/30/2010	1/30/2010	
Sample ID: ITA2462-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10A3007	0.10	**18**	1	1/30/2010	1/30/2010	
Carbon Monoxide	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Methane	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Nitrogen	ASTM D1946-90	10A3007	20	**71**	1	1/30/2010	1/30/2010	
Oxygen	ASTM D1946-90	10A3007	5.5	**11**	1	1/30/2010	1/30/2010	
Sample ID: ITA2462-05 (Inlet Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10A3007	0.10	**18**	1	1/30/2010	1/30/2010	
Carbon Monoxide	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Methane	ASTM D1946-90	10A3007	0.10	ND	1	1/30/2010	1/30/2010	
Nitrogen	ASTM D1946-90	10A3007	20	**71**	1	1/30/2010	1/30/2010	
Oxygen	ASTM D1946-90	10A3007	5.5	**11**	1	1/30/2010	1/30/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITA2462-01) - Air					
ASTM D1946-90	3	01/28/2010 15:00	01/28/2010 17:05	01/30/2010 11:31	01/30/2010 11:31
EPA 8260B MOD	3	01/28/2010 15:00	01/28/2010 17:05	01/29/2010 09:40	01/29/2010 10:13
Sample ID: Carbon 1 (ITA2462-02) - Air					
ASTM D1946-90	3	01/28/2010 15:00	01/28/2010 17:05	01/30/2010 12:05	01/30/2010 12:05
EPA 8260B MOD	3	01/28/2010 15:00	01/28/2010 17:05	01/29/2010 09:47	01/29/2010 11:34
Sample ID: Post Ambient Air (ITA2462-03) - Air					
ASTM D1946-90	3	01/28/2010 15:00	01/28/2010 17:05	01/30/2010 12:22	01/30/2010 12:22
EPA 8260B MOD	3	01/28/2010 15:00	01/28/2010 17:05	01/29/2010 09:50	01/29/2010 12:01
Sample ID: Inlet (ITA2462-04) - Air					
ASTM D1946-90	3	01/28/2010 15:00	01/28/2010 17:05	01/30/2010 12:46	01/30/2010 12:46
EPA 8260B MOD	3	01/28/2010 15:00	01/28/2010 17:05	01/29/2010 10:00	01/29/2010 12:27
Sample ID: Inlet Dup (ITA2462-05) - Air					
ASTM D1946-90	3	01/28/2010 15:00	01/28/2010 17:05	01/30/2010 13:12	01/30/2010 13:12
EPA 8260B MOD	3	01/28/2010 15:00	01/28/2010 17:05	01/29/2010 10:05	01/29/2010 12:54

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
Blank Analyzed: 01/29/2010 (10A2868-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
Blank Analyzed: 01/29/2010 (10A2868-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,2,2-Tetrachloroethane	ND	0.73	ppmv							
trachloroethene	ND	0.74	ppmv							
luene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.89*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*6.65*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
LCS Analyzed: 01/29/2010 (10A2868-BS1)										
Benzene	14.5	1.6	ppmv	15.7		92	70-120			
Bromobenzene	7.72	0.78	ppmv	7.79		99	75-120			
Bromochloromethane	9.61	0.94	ppmv	9.45		102	70-130			
Bromodichloromethane	8.57	0.75	ppmv	7.46		115	70-135			
Bromoform	4.57	0.48	ppmv	4.84		94	55-130			
Bromomethane	14.6	1.3	ppmv	12.9		113	65-140			
n-Butylbenzene	9.42	0.91	ppmv	9.11		103	70-130			
sec-Butylbenzene	9.29	0.91	ppmv	9.11		102	70-125			
tert-Butylbenzene	9.31	0.91	ppmv	9.11		102	70-125			
Carbon tetrachloride	9.07	0.79	ppmv	7.95		114	65-140			
Chlorobenzene	10.4	1.2	ppmv	10.9		96	75-120			
Chloroethane	15.8	1.9	ppmv	18.9		83	60-140			
Chloroform	10.1	1.0	ppmv	10.2		99	70-130			
Chloromethane	17.9	2.4	ppmv	24.2		74	50-140			
2-Chlorotoluene	9.37	1.0	ppmv	9.66		97	70-125			
4-Chlorotoluene	9.97	1.0	ppmv	9.66		103	75-125			
1,2-Dibromo-3-chloropropane	5.40	1.0	ppmv	5.17		104	50-135			
Dibromochloromethane	7.03	0.59	ppmv	5.87		120	70-140			
1,2-Dibromoethane (EDB)	6.36	0.65	ppmv	6.51		98	75-125			
Dibromomethane	7.52	0.70	ppmv	7.03		107	70-125			
1,2-Dichlorobenzene	8.40	0.83	ppmv	8.32		101	75-120			
1,3-Dichlorobenzene	8.33	0.83	ppmv	8.32		100	75-120			
1,4-Dichlorobenzene	8.17	0.83	ppmv	8.32		98	75-120			
Dichlorodifluoromethane	6.94	1.0	ppmv	10.1		69	35-155			
1,1-Dichloroethane	11.9	1.2	ppmv	12.4		96	70-125			
1,2-Dichloroethane	13.8	1.2	ppmv	12.4		112	60-140			
1,1-Dichloroethene	11.1	1.3	ppmv	12.6		88	70-125			
cis-1,2-Dichloroethene	13.1	1.3	ppmv	12.6		104	70-125			
trans-1,2-Dichloroethene	11.3	1.3	ppmv	12.6		90	70-125			
1,2-Dichloropropane	10.5	1.1	ppmv	10.8		97	70-125			
1,3-Dichloropropane	10.6	1.1	ppmv	10.8		98	70-120			
2,2-Dichloropropane	12.7	1.1	ppmv	10.8		117	65-140			
cis-1,3-Dichloropropene	14.5	1.1	ppmv	11.0		131	75-125			*L*
trans-1,3-Dichloropropene	10.8	1.1	ppmv	11.0		98	70-125			
1,1-Dichloropropene	11.4	1.1	ppmv	11.0		104	75-130			
Ethylbenzene	11.6	1.2	ppmv	11.5		101	75-125			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
LCS Analyzed: 01/29/2010 (10A2868-BS1)										
Hexachlorobutadiene	4.47	0.47	ppmv	4.69		95	65-135			
Isopropylbenzene	10.2	1.0	ppmv	10.2		100	75-130			
p-Isopropyltoluene	9.21	0.91	ppmv	9.11		101	75-125			
Methylene chloride	11.3	1.4	ppmv	14.4		79	55-130			
Naphthalene	9.74	1.0	ppmv	9.54		102	55-135			
n-Propylbenzene	10.0	1.0	ppmv	10.2		99	75-130			
Styrene	12.5	2.4	ppmv	11.7		107	75-130			
1,1,1,2-Tetrachloroethane	7.82	0.73	ppmv	7.28		107	70-130			
1,1,2,2-Tetrachloroethane	7.00	0.73	ppmv	7.28		96	55-130			
etrachloroethene	6.87	0.74	ppmv	7.37		93	70-125			
luene	13.6	1.3	ppmv	13.3		102	70-120			
1,2,3-Trichlorobenzene	6.53	0.67	ppmv	6.74		97	65-125			
1,2,4-Trichlorobenzene	6.77	0.67	ppmv	6.74		101	70-135			
1,1,1-Trichloroethane	9.89	0.92	ppmv	9.16		108	65-135			
1,1,2-Trichloroethane	9.48	0.92	ppmv	9.16		103	70-125			
Trichloroethene	9.40	0.93	ppmv	9.30		101	70-125			
Trichlorofluoromethane	9.50	0.89	ppmv	8.90		107	65-145			
1,2,3-Trichloropropane	7.87	0.83	ppmv	8.29		95	60-130			
1,2,4-Trimethylbenzene	10.9	1.0	ppmv	10.2		108	75-125			
1,3,5-Trimethylbenzene	10.3	1.0	ppmv	10.2		102	75-125			
Vinyl chloride	17.4	2.0	ppmv	19.6		89	55-135			
m,p-Xylenes	23.5	1.2	ppmv	23.0		102	75-125			
Di-isopropyl Ether (DIPE)	12.0	1.2	ppmv	12.0		100	60-135			
Ethyl tert-Butyl Ether (ETBE)	13.0	1.3	ppmv	12.0		108	65-135			
Methyl-tert-butyl Ether (MTBE)	14.5	1.4	ppmv	13.9		104	60-135			
tert-Amyl Methyl Ether (TAME)	13.1	1.2	ppmv	12.0		110	60-135			
tert-Butanol (TBA)	77.8	17	ppmv	82.5		94	70-135			
Surrogate: 4-Bromofluorobenzene	*7.38*		*ppmv*	*6.99*		*106*	*80-120*			
Surrogate: Dibromofluoromethane	*7.04*		*ppmv*	*6.37*		*110*	*80-120*			
Surrogate: Toluene-d8	*13.0*		*ppmv*	*12.2*		*106*	*80-120*			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
LCS Dup Analyzed: 01/29/2010 (10A2868-BSD1)										
Benzene	14.4	1.6	ppmv	15.7		92	70-120	0.4	20	
Bromobenzene	7.77	0.78	ppmv	7.79		100	75-120	0.7	20	
Bromochloromethane	9.21	0.94	ppmv	9.45		98	70-130	4	20	
Bromodichloromethane	8.33	0.75	ppmv	7.46		112	70-135	3	20	
Bromoform	4.18	0.48	ppmv	4.84		86	55-130	9	25	
Bromomethane	14.1	1.3	ppmv	12.9		109	65-140	4	20	
n-Butylbenzene	9.60	0.91	ppmv	9.11		105	70-130	2	20	
sec-Butylbenzene	9.65	0.91	ppmv	9.11		106	70-125	4	20	
tert-Butylbenzene	9.66	0.91	ppmv	9.11		106	70-125	4	20	
Carbon tetrachloride	8.95	0.79	ppmv	7.95		113	65-140	1	25	
Chlorobenzene	10.4	1.2	ppmv	10.9		96	75-120	0.3	20	
Chloroethane	15.6	1.9	ppmv	18.9		82	60-140	1	20	
Chloroform	9.87	1.0	ppmv	10.2		96	70-130	2	20	
Chloromethane	17.6	2.4	ppmv	24.2		73	50-140	2	25	
2-Chlorotoluene	9.67	1.0	ppmv	9.66		100	70-125	3	20	
4-Chlorotoluene	10.2	1.0	ppmv	9.66		106	75-125	3	20	
1,2-Dibromo-3-chloropropane	4.48	1.0	ppmv	5.17		87	50-135	19	25	
Dibromochloromethane	6.69	0.59	ppmv	5.87		114	70-140	5	20	
1,2-Dibromoethane (EDB)	5.83	0.65	ppmv	6.51		90	75-125	9	20	
Dibromomethane	6.99	0.70	ppmv	7.03		99	70-125	7	20	
1,2-Dichlorobenzene	8.46	0.83	ppmv	8.32		102	75-120	0.7	20	
1,3-Dichlorobenzene	8.40	0.83	ppmv	8.32		101	75-120	0.8	20	
1,4-Dichlorobenzene	8.25	0.83	ppmv	8.32		99	75-120	1	20	
Dichlorodifluoromethane	6.94	1.0	ppmv	10.1		69	35-155	0.06	30	
1,1-Dichloroethane	11.7	1.2	ppmv	12.4		95	70-125	1	20	
1,2-Dichloroethane	12.8	1.2	ppmv	12.4		103	60-140	8	20	
1,1-Dichloroethene	11.1	1.3	ppmv	12.6		88	70-125	0.6	20	
cis-1,2-Dichloroethene	12.9	1.3	ppmv	12.6		103	70-125	2	20	
trans-1,2-Dichloroethene	11.5	1.3	ppmv	12.6		91	70-125	2	20	
1,2-Dichloropropane	10.6	1.1	ppmv	10.8		98	70-125	0.9	20	
1,3-Dichloropropane	10.0	1.1	ppmv	10.8		92	70-120	6	20	
2,2-Dichloropropane	12.8	1.1	ppmv	10.8		118	65-140	1	20	
cis-1,3-Dichloropropene	14.1	1.1	ppmv	11.0		128	75-125	3	20	*L*
trans-1,3-Dichloropropene	10.0	1.1	ppmv	11.0		91	70-125	8	20	
1,1-Dichloropropene	11.6	1.1	ppmv	11.0		105	75-130	1	20	
Ethylbenzene	11.7	1.2	ppmv	11.5		102	75-125	1	20	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
LCS Dup Analyzed: 01/29/2010 (10A2868-BSD1)										
Hexachlorobutadiene	4.55	0.47	ppmv	4.69		97	65-135	2	20	
Isopropylbenzene	10.7	1.0	ppmv	10.2		105	75-130	5	20	
p-Isopropyltoluene	9.34	0.91	ppmv	9.11		103	75-125	1	20	
Methylene chloride	11.1	1.4	ppmv	14.4		77	55-130	2	20	
Naphthalene	9.01	1.0	ppmv	9.54		94	55-135	8	25	
n-Propylbenzene	10.5	1.0	ppmv	10.2		103	75-130	4	20	
Styrene	12.4	2.4	ppmv	11.7		106	75-130	0.9	20	
1,1,1,2-Tetrachloroethane	7.64	0.73	ppmv	7.28		105	70-130	2	20	
1,1,2,2-Tetrachloroethane	6.41	0.73	ppmv	7.28		88	55-130	9	25	
etrachloroethene	6.82	0.74	ppmv	7.37		92	70-125	0.8	20	
luene	13.4	1.3	ppmv	13.3		101	70-120	1	20	
1,2,3-Trichlorobenzene	6.53	0.67	ppmv	6.74		97	65-125	0.04	20	
1,2,4-Trichlorobenzene	6.83	0.67	ppmv	6.74		101	70-135	0.9	20	
1,1,1-Trichloroethane	9.78	0.92	ppmv	9.16		107	65-135	1	20	
1,1,2-Trichloroethane	9.06	0.92	ppmv	9.16		99	70-125	4	20	
Trichloroethene	9.41	0.93	ppmv	9.30		101	70-125	0.04	20	
Trichlorofluoromethane	9.35	0.89	ppmv	8.90		105	65-145	2	25	
1,2,3-Trichloropropane	7.21	0.83	ppmv	8.29		87	60-130	9	20	
1,2,4-Trimethylbenzene	11.2	1.0	ppmv	10.2		110	75-125	2	20	
1,3,5-Trimethylbenzene	10.7	1.0	ppmv	10.2		105	75-125	3	25	
Vinyl chloride	17.4	2.0	ppmv	19.6		89	55-135	0.4	20	
m,p-Xylenes	23.7	1.2	ppmv	23.0		103	75-125	0.9	20	
Di-isopropyl Ether (DIPE)	11.6	1.2	ppmv	12.0		97	60-135	4	20	
Ethyl tert-Butyl Ether (ETBE)	12.4	1.3	ppmv	12.0		104	65-135	4	20	
Methyl-tert-butyl Ether (MTBE)	13.1	1.4	ppmv	13.9		95	60-135	10	25	
tert-Amyl Methyl Ether (TAME)	12.2	1.2	ppmv	12.0		102	60-135	7	20	
tert-Butanol (TBA)	82.9	17	ppmv	82.5		100	70-135	6	25	
Surrogate: 4-Bromofluorobenzene	*7.31*		*ppmv*	*6.99*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*6.82*		*ppmv*	*6.37*		*107*	*80-120*			
Surrogate: Toluene-d8	*12.8*		*ppmv*	*12.2*		*105*	*80-120*			

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Patty Mata
Project Manager

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C2 Rem
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
Duplicate Analyzed: 01/29/2010 (10A2868-DUP1)					**Source: ITA2462-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		0.407				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A2868 Extracted: 01/29/10										
Duplicate Analyzed: 01/29/2010 (10A2868-DUP1)					**Source: ITA2462-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
etrachloroethene	ND	0.74	ppmv		ND				20	
luene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*7.06*		*ppmv*	*6.99*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*6.73*		*ppmv*	*6.37*		*106*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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Patty Mata
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10A3007 Extracted: 01/30/10										
Duplicate Analyzed: 01/30/2010 (10A3007-DUP1)					**Source: ITA2462-01**					
Carbon Dioxide	2.15	0.10	% by Volume		2.16			0.5	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.2	20	% by Volume		77.3			0.05	20	
Oxygen	20.6	5.5	% by Volume		20.6			0.2	20	

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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

DATA QUALIFIERS AND DEFINITIONS

L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITA2462

Sampled: 01/28/10
Received: 01/28/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test STL Other_____

SHL Chain Of Custody Record

Lab Identification (if necessary):
- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

Shell Project Manager to be invoiced: George Landreth

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

[ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 01/28/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
2382 S.E. Bristol, Suite B, Newport Beach, CA 92660		1-949-261-8098	sklemm@c2rem.com	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	sklemm@c2rem.com

SAMPLER NAME(S) (Print): Shinta

LAB USE ONLY: TA2462

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet and inlet Dup are high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946	TEMPERATURE ON RECEIPT C°
	Effluent	1/28/10	15:00	Air	1 Tedlar														X	X	
	Carbon 1	↓	↓	Air	1 Tedlar														X	X	
	Post Ambient Air			Air	1 Tedlar														X	X	
	Inlet			Air	1 Tedlar														X	X	
	Inlet Dup	↓	↓	Air	1 Tedlar														X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	1/28/10	1705
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Q&Q Graphic (714) 898-9702

11/18/05 Revision

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 02/24/10
Received: 02/24/10
Issued: 03/05/10 12:42

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITB2509-01	Effluent	Air
ITB2509-02	Carbon 1	Air
ITB2509-03	Post Ambient Air	Air
ITB2509-04	Inlet	Air
ITB2509-05	Inlet Dup	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10B3050	1.6	ND	1	2/25/2010	2/25/2010	
Bromobenzene	EPA 8260B MOD	10B3050	0.78	ND	1	2/25/2010	2/25/2010	
Bromochloromethane	EPA 8260B MOD	10B3050	0.94	ND	1	2/25/2010	2/25/2010	
Bromodichloromethane	EPA 8260B MOD	10B3050	0.75	ND	1	2/25/2010	2/25/2010	
Bromoform	EPA 8260B MOD	10B3050	0.48	ND	1	2/25/2010	2/25/2010	
Bromomethane	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
n-Butylbenzene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
sec-Butylbenzene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
tert-Butylbenzene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
Carbon tetrachloride	EPA 8260B MOD	10B3050	0.79	ND	1	2/25/2010	2/25/2010	
Chlorobenzene	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Chloroethane	EPA 8260B MOD	10B3050	1.9	ND	1	2/25/2010	2/25/2010	
Chloroform	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
Chloromethane	EPA 8260B MOD	10B3050	2.4	ND	1	2/25/2010	2/25/2010	
2-Chlorotoluene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
4-Chlorotoluene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
Dibromochloromethane	EPA 8260B MOD	10B3050	0.59	ND	1	2/25/2010	2/25/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10B3050	0.65	ND	1	2/25/2010	2/25/2010	
Dibromomethane	EPA 8260B MOD	10B3050	0.70	ND	1	2/25/2010	2/25/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
1,1-Dichloroethane	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
1,2-Dichloroethane	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
1,1-Dichloroethene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
1,2-Dichloropropane	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
1,3-Dichloropropane	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
2,2-Dichloropropane	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
1,1-Dichloropropene	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
Ethylbenzene	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Hexachlorobutadiene	EPA 8260B MOD	10B3050	0.47	ND	1	2/25/2010	2/25/2010	
Isopropylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
p-Isopropyltoluene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
Methylene chloride	EPA 8260B MOD	10B3050	1.4	ND	1	2/25/2010	2/25/2010	
Naphthalene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
Styrene	EPA 8260B MOD	10B3050	2.4	ND	1	2/25/2010	2/25/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10B3050	0.73	ND	1	2/25/2010	2/25/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10B3050	0.73	ND	1	2/25/2010	2/25/2010	
Tetrachloroethene	EPA 8260B MOD	10B3050	0.74	ND	1	2/25/2010	2/25/2010	
Toluene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10B3050	0.67	ND	1	2/25/2010	2/25/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10B3050	0.67	ND	1	2/25/2010	2/25/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10B3050	0.92	ND	1	2/25/2010	2/25/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10B3050	0.92	ND	1	2/25/2010	2/25/2010	
Trichloroethene	EPA 8260B MOD	10B3050	0.93	ND	1	2/25/2010	2/25/2010	
Trichlorofluoromethane	EPA 8260B MOD	10B3050	0.89	ND	1	2/25/2010	2/25/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
1 2,4-Trimethylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
,5-Trimethylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
ıyl chloride	EPA 8260B MOD	10B3050	2.0	ND	1	2/25/2010	2/25/2010	
m,p-Xylenes	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
o-Xylene	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10B3050	1.4	ND	1	2/25/2010	2/25/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10B3050	17	ND	1	2/25/2010	2/25/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10B3050	1.6	ND	1	2/25/2010	2/25/2010	
Bromobenzene	EPA 8260B MOD	10B3050	0.78	ND	1	2/25/2010	2/25/2010	
Bromochloromethane	EPA 8260B MOD	10B3050	0.94	ND	1	2/25/2010	2/25/2010	
Bromodichloromethane	EPA 8260B MOD	10B3050	0.75	ND	1	2/25/2010	2/25/2010	
Bromoform	EPA 8260B MOD	10B3050	0.48	ND	1	2/25/2010	2/25/2010	
Bromomethane	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
n-Butylbenzene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
sec-Butylbenzene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
tert-Butylbenzene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
Carbon tetrachloride	EPA 8260B MOD	10B3050	0.79	ND	1	2/25/2010	2/25/2010	
Chlorobenzene	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Chloroethane	EPA 8260B MOD	10B3050	1.9	ND	1	2/25/2010	2/25/2010	
Chloroform	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
Chloromethane	EPA 8260B MOD	10B3050	2.4	ND	1	2/25/2010	2/25/2010	
2-Chlorotoluene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
4-Chlorotoluene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
Dibromochloromethane	EPA 8260B MOD	10B3050	0.59	ND	1	2/25/2010	2/25/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10B3050	0.65	ND	1	2/25/2010	2/25/2010	
Dibromomethane	EPA 8260B MOD	10B3050	0.70	ND	1	2/25/2010	2/25/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
1,1-Dichloroethane	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
1,2-Dichloroethane	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
1,1-Dichloroethene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
1,2-Dichloropropane	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
1,3-Dichloropropane	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
2,2-Dichloropropane	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
1,1-Dichloropropene	EPA 8260B MOD	10B3050	1.1	ND	1	2/25/2010	2/25/2010	
Ethylbenzene	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Hexachlorobutadiene	EPA 8260B MOD	10B3050	0.47	ND	1	2/25/2010	2/25/2010	
Isopropylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
p-Isopropyltoluene	EPA 8260B MOD	10B3050	0.91	ND	1	2/25/2010	2/25/2010	
Methylene chloride	EPA 8260B MOD	10B3050	1.4	ND	1	2/25/2010	2/25/2010	
Naphthalene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
Styrene	EPA 8260B MOD	10B3050	2.4	ND	1	2/25/2010	2/25/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10B3050	0.73	ND	1	2/25/2010	2/25/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10B3050	0.73	ND	1	2/25/2010	2/25/2010	
Tetrachloroethene	EPA 8260B MOD	10B3050	0.74	ND	1	2/25/2010	2/25/2010	
Toluene	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10B3050	0.67	ND	1	2/25/2010	2/25/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10B3050	0.67	ND	1	2/25/2010	2/25/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10B3050	0.92	ND	1	2/25/2010	2/25/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10B3050	0.92	ND	1	2/25/2010	2/25/2010	
Trichloroethene	EPA 8260B MOD	10B3050	0.93	ND	1	2/25/2010	2/25/2010	
Trichlorofluoromethane	EPA 8260B MOD	10B3050	0.89	ND	1	2/25/2010	2/25/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10B3050	0.83	ND	1	2/25/2010	2/25/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10B3050	1.0	ND	1	2/25/2010	2/25/2010	
Vinyl chloride	EPA 8260B MOD	10B3050	2.0	ND	1	2/25/2010	2/25/2010	
m,p-Xylenes	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
o-Xylene	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10B3050	1.3	ND	1	2/25/2010	2/25/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10B3050	1.4	ND	1	2/25/2010	2/25/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10B3050	1.2	ND	1	2/25/2010	2/25/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10B3050	17	ND	1	2/25/2010	2/25/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10B3050	80	**1800**	50	2/25/2010	2/25/2010	
Bromobenzene	EPA 8260B MOD	10B3050	39	ND	50	2/25/2010	2/25/2010	
Bromochloromethane	EPA 8260B MOD	10B3050	47	ND	50	2/25/2010	2/25/2010	
Bromodichloromethane	EPA 8260B MOD	10B3050	38	ND	50	2/25/2010	2/25/2010	
Bromoform	EPA 8260B MOD	10B3050	24	ND	50	2/25/2010	2/25/2010	
Bromomethane	EPA 8260B MOD	10B3050	65	ND	50	2/25/2010	2/25/2010	
n-Butylbenzene	EPA 8260B MOD	10B3050	46	ND	50	2/25/2010	2/25/2010	
sec-Butylbenzene	EPA 8260B MOD	10B3050	46	ND	50	2/25/2010	2/25/2010	
tert-Butylbenzene	EPA 8260B MOD	10B3050	46	ND	50	2/25/2010	2/25/2010	
Carbon tetrachloride	EPA 8260B MOD	10B3050	40	ND	50	2/25/2010	2/25/2010	
Chlorobenzene	EPA 8260B MOD	10B3050	60	ND	50	2/25/2010	2/25/2010	
Chloroethane	EPA 8260B MOD	10B3050	95	ND	50	2/25/2010	2/25/2010	
Chloroform	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
Chloromethane	EPA 8260B MOD	10B3050	120	ND	50	2/25/2010	2/25/2010	
2-Chlorotoluene	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
4-Chlorotoluene	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
Dibromochloromethane	EPA 8260B MOD	10B3050	30	ND	50	2/25/2010	2/25/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10B3050	32	ND	50	2/25/2010	2/25/2010	
Dibromomethane	EPA 8260B MOD	10B3050	35	ND	50	2/25/2010	2/25/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10B3050	42	ND	50	2/25/2010	2/25/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10B3050	42	ND	50	2/25/2010	2/25/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10B3050	42	ND	50	2/25/2010	2/25/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
1,1-Dichloroethane	EPA 8260B MOD	10B3050	60	ND	50	2/25/2010	2/25/2010	
1,2-Dichloroethane	EPA 8260B MOD	10B3050	60	ND	50	2/25/2010	2/25/2010	
1,1-Dichloroethene	EPA 8260B MOD	10B3050	65	ND	50	2/25/2010	2/25/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10B3050	65	ND	50	2/25/2010	2/25/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10B3050	65	ND	50	2/25/2010	2/25/2010	
1,2-Dichloropropane	EPA 8260B MOD	10B3050	55	ND	50	2/25/2010	2/25/2010	
1,3-Dichloropropane	EPA 8260B MOD	10B3050	55	ND	50	2/25/2010	2/25/2010	
2,2-Dichloropropane	EPA 8260B MOD	10B3050	55	ND	50	2/25/2010	2/25/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10B3050	55	ND	50	2/25/2010	2/25/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10B3050	55	ND	50	2/25/2010	2/25/2010	
1,1-Dichloropropene	EPA 8260B MOD	10B3050	55	ND	50	2/25/2010	2/25/2010	
Ethylbenzene	EPA 8260B MOD	10B3050	60	**73**	50	2/25/2010	2/25/2010	
Hexachlorobutadiene	EPA 8260B MOD	10B3050	24	ND	50	2/25/2010	2/25/2010	
Isopropylbenzene	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
p-Isopropyltoluene	EPA 8260B MOD	10B3050	46	ND	50	2/25/2010	2/25/2010	
Methylene chloride	EPA 8260B MOD	10B3050	70	ND	50	2/25/2010	2/25/2010	
Naphthalene	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
Styrene	EPA 8260B MOD	10B3050	120	ND	50	2/25/2010	2/25/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10B3050	36	ND	50	2/25/2010	2/25/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10B3050	36	ND	50	2/25/2010	2/25/2010	
Tetrachloroethene	EPA 8260B MOD	10B3050	37	ND	50	2/25/2010	2/25/2010	
Toluene	EPA 8260B MOD	10B3050	65	ND	50	2/25/2010	2/25/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10B3050	34	ND	50	2/25/2010	2/25/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10B3050	34	ND	50	2/25/2010	2/25/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10B3050	46	ND	50	2/25/2010	2/25/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10B3050	46	ND	50	2/25/2010	2/25/2010	
Trichloroethene	EPA 8260B MOD	10B3050	46	ND	50	2/25/2010	2/25/2010	
Trichlorofluoromethane	EPA 8260B MOD	10B3050	44	ND	50	2/25/2010	2/25/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10B3050	42	ND	50	2/25/2010	2/25/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10B3050	50	ND	50	2/25/2010	2/25/2010	
Vinyl chloride	EPA 8260B MOD	10B3050	100	ND	50	2/25/2010	2/25/2010	
m,p-Xylenes	EPA 8260B MOD	10B3050	60	ND	50	2/25/2010	2/25/2010	
o-Xylene	EPA 8260B MOD	10B3050	60	ND	50	2/25/2010	2/25/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10B3050	60	ND	50	2/25/2010	2/25/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10B3050	65	ND	50	2/25/2010	2/25/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10B3050	70	ND	50	2/25/2010	2/25/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10B3050	60	ND	50	2/25/2010	2/25/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10B3050	850	ND	50	2/25/2010	2/25/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10B3050	320	**14000**	200	2/25/2010	2/25/2010	
Bromobenzene	EPA 8260B MOD	10B3050	160	ND	200	2/25/2010	2/25/2010	
Bromochloromethane	EPA 8260B MOD	10B3050	190	ND	200	2/25/2010	2/25/2010	
Bromodichloromethane	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
Bromoform	EPA 8260B MOD	10B3050	96	ND	200	2/25/2010	2/25/2010	
Bromomethane	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
n-Butylbenzene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
sec-Butylbenzene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
tert-Butylbenzene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
Carbon tetrachloride	EPA 8260B MOD	10B3050	160	ND	200	2/25/2010	2/25/2010	
Chlorobenzene	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
Chloroethane	EPA 8260B MOD	10B3050	380	ND	200	2/25/2010	2/25/2010	
Chloroform	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Chloromethane	EPA 8260B MOD	10B3050	480	ND	200	2/25/2010	2/25/2010	
2-Chlorotoluene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
4-Chlorotoluene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Dibromochloromethane	EPA 8260B MOD	10B3050	120	ND	200	2/25/2010	2/25/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10B3050	130	ND	200	2/25/2010	2/25/2010	
Dibromomethane	EPA 8260B MOD	10B3050	140	ND	200	2/25/2010	2/25/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
1,1-Dichloroethane	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
1,2-Dichloroethane	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
1,1-Dichloroethene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
1,2-Dichloropropane	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
1,3-Dichloropropane	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
2,2-Dichloropropane	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
1,1-Dichloropropene	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
Ethylbenzene	EPA 8260B MOD	10B3050	240	**380**	200	2/25/2010	2/25/2010	
Hexachlorobutadiene	EPA 8260B MOD	10B3050	94	ND	200	2/25/2010	2/25/2010	
Isopropylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
p-Isopropyltoluene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
Methylene chloride	EPA 8260B MOD	10B3050	280	ND	200	2/25/2010	2/25/2010	
Naphthalene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Styrene	EPA 8260B MOD	10B3050	480	ND	200	2/25/2010	2/25/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
Tetrachloroethene	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
Toluene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10B3050	130	ND	200	2/25/2010	2/25/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10B3050	130	ND	200	2/25/2010	2/25/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
Trichloroethene	EPA 8260B MOD	10B3050	190	ND	200	2/25/2010	2/25/2010	
Trichlorofluoromethane	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Vinyl chloride	EPA 8260B MOD	10B3050	400	ND	200	2/25/2010	2/25/2010	
m,p-Xylenes	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
o-Xylene	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10B3050	280	ND	200	2/25/2010	2/25/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10B3050	3400	ND	200	2/25/2010	2/25/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-05 (Inlet Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10B3050	320	**18000**	200	2/25/2010	2/25/2010	
Bromobenzene	EPA 8260B MOD	10B3050	160	ND	200	2/25/2010	2/25/2010	
Bromochloromethane	EPA 8260B MOD	10B3050	190	ND	200	2/25/2010	2/25/2010	
Bromodichloromethane	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
Bromoform	EPA 8260B MOD	10B3050	96	ND	200	2/25/2010	2/25/2010	
Bromomethane	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
n-Butylbenzene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
sec-Butylbenzene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
tert-Butylbenzene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
Carbon tetrachloride	EPA 8260B MOD	10B3050	160	ND	200	2/25/2010	2/25/2010	
Chlorobenzene	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
Chloroethane	EPA 8260B MOD	10B3050	380	ND	200	2/25/2010	2/25/2010	
Chloroform	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Chloromethane	EPA 8260B MOD	10B3050	480	ND	200	2/25/2010	2/25/2010	
2-Chlorotoluene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
4-Chlorotoluene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Dibromochloromethane	EPA 8260B MOD	10B3050	120	ND	200	2/25/2010	2/25/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10B3050	130	ND	200	2/25/2010	2/25/2010	
Dibromomethane	EPA 8260B MOD	10B3050	140	ND	200	2/25/2010	2/25/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
1,1-Dichloroethane	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
1,2-Dichloroethane	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
1,1-Dichloroethene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
1,2-Dichloropropane	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
1,3-Dichloropropane	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
2,2-Dichloropropane	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
1,1-Dichloropropene	EPA 8260B MOD	10B3050	220	ND	200	2/25/2010	2/25/2010	
Ethylbenzene	EPA 8260B MOD	10B3050	240	**620**	200	2/25/2010	2/25/2010	
Hexachlorobutadiene	EPA 8260B MOD	10B3050	94	ND	200	2/25/2010	2/25/2010	
Isopropylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
p-Isopropyltoluene	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
Methylene chloride	EPA 8260B MOD	10B3050	280	ND	200	2/25/2010	2/25/2010	
Naphthalene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-05 (Inlet Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Styrene	EPA 8260B MOD	10B3050	480	ND	200	2/25/2010	2/25/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
Tetrachloroethene	EPA 8260B MOD	10B3050	150	ND	200	2/25/2010	2/25/2010	
Toluene	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10B3050	130	ND	200	2/25/2010	2/25/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10B3050	130	ND	200	2/25/2010	2/25/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
Trichloroethene	EPA 8260B MOD	10B3050	190	ND	200	2/25/2010	2/25/2010	
Trichlorofluoromethane	EPA 8260B MOD	10B3050	180	ND	200	2/25/2010	2/25/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10B3050	170	ND	200	2/25/2010	2/25/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10B3050	200	ND	200	2/25/2010	2/25/2010	
Vinyl chloride	EPA 8260B MOD	10B3050	400	ND	200	2/25/2010	2/25/2010	
m,p-Xylenes	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
o-Xylene	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10B3050	260	ND	200	2/25/2010	2/25/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10B3050	280	ND	200	2/25/2010	2/25/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10B3050	240	ND	200	2/25/2010	2/25/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10B3050	3400	ND	200	2/25/2010	2/25/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITB2509-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10B3109	0.10	**2.3**	1	2/25/2010	2/25/2010	
Carbon Monoxide	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Methane	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Nitrogen	ASTM D1946-90	10B3109	20	**77**	1	2/25/2010	2/25/2010	
Oxygen	ASTM D1946-90	10B3109	5.5	**20**	1	2/25/2010	2/25/2010	
Sample ID: ITB2509-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10B3109	0.10	**2.1**	1	2/25/2010	2/25/2010	
Carbon Monoxide	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Methane	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Nitrogen	ASTM D1946-90	10B3109	20	**78**	1	2/25/2010	2/25/2010	
Oxygen	ASTM D1946-90	10B3109	5.5	**20**	1	2/25/2010	2/25/2010	
Sample ID: ITB2509-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10B3109	0.10	**2.1**	1	2/25/2010	2/25/2010	
Carbon Monoxide	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Methane	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Nitrogen	ASTM D1946-90	10B3109	20	**77**	1	2/25/2010	2/25/2010	
Oxygen	ASTM D1946-90	10B3109	5.5	**20**	1	2/25/2010	2/25/2010	
Sample ID: ITB2509-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10B3109	0.10	**18**	1	2/25/2010	2/25/2010	
Carbon Monoxide	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Methane	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Nitrogen	ASTM D1946-90	10B3109	20	**73**	1	2/25/2010	2/25/2010	
Oxygen	ASTM D1946-90	10B3109	5.5	**8.8**	1	2/25/2010	2/25/2010	
Sample ID: ITB2509-05 (Inlet Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10B3109	0.10	**19**	1	2/25/2010	2/25/2010	
Carbon Monoxide	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Methane	ASTM D1946-90	10B3109	0.10	ND	1	2/25/2010	2/25/2010	
Nitrogen	ASTM D1946-90	10B3109	20	**73**	1	2/25/2010	2/25/2010	
Oxygen	ASTM D1946-90	10B3109	5.5	**8.7**	1	2/25/2010	2/25/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITB2509-01) - Air					
ASTM D1946-90	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 16:18	02/25/2010 16:18
EPA 8260B MOD	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 10:15	02/25/2010 11:41
Sample ID: Carbon 1 (ITB2509-02) - Air					
ASTM D1946-90	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 16:39	02/25/2010 16:39
EPA 8260B MOD	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 13:15	02/25/2010 18:06
Sample ID: Post Ambient Air (ITB2509-03) - Air					
ASTM D1946-90	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 17:01	02/25/2010 17:01
EPA 8260B MOD	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 10:22	02/25/2010 13:11
Sample ID: Inlet (ITB2509-04) - Air					
ASTM D1946-90	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 17:19	02/25/2010 17:19
EPA 8260B MOD	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 10:25	02/25/2010 13:42
Sample ID: Inlet Dup (ITB2509-05) - Air					
ASTM D1946-90	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 17:39	02/25/2010 17:39
EPA 8260B MOD	3	02/24/2010 11:00	02/24/2010 15:30	02/25/2010 10:28	02/25/2010 14:12

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10B3050 Extracted: 02/25/10										
Blank Analyzed: 02/25/2010 (10B3050-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10B3050 Extracted: 02/25/10										
Blank Analyzed: 02/25/2010 (10B3050-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
Toluene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.81*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.56*		*ppmv*	*6.37*		*103*	*80-120*			
Surrogate: Toluene-d8	*13.1*		*ppmv*	*12.2*		*107*	*80-120*			

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Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10B3050 Extracted: 02/25/10										
LCS Analyzed: 02/25/2010 (10B3050-BS1)										
Benzene	13.5	1.6	ppmv	15.7		86	70-120			
Bromobenzene	7.04	0.78	ppmv	7.79		90	75-120			
Bromochloromethane	8.93	0.94	ppmv	9.45		95	70-130			
Bromodichloromethane	7.35	0.75	ppmv	7.46		99	70-135			
Bromoform	4.02	0.48	ppmv	4.84		83	55-130			
Bromomethane	11.9	1.3	ppmv	12.9		93	65-140			
n-Butylbenzene	8.03	0.91	ppmv	9.11		88	70-130			
sec-Butylbenzene	8.03	0.91	ppmv	9.11		88	70-125			
tert-Butylbenzene	7.76	0.91	ppmv	9.11		85	70-125			
Carbon tetrachloride	7.08	0.79	ppmv	7.95		89	65-140			
Chlorobenzene	10.5	1.2	ppmv	10.9		97	75-120			
Chloroethane	17.1	1.9	ppmv	18.9		90	60-140			
Chloroform	9.32	1.0	ppmv	10.2		91	70-130			
Chloromethane	16.7	2.4	ppmv	24.2		69	50-140			
2-Chlorotoluene	8.24	1.0	ppmv	9.66		85	70-125			
4-Chlorotoluene	8.37	1.0	ppmv	9.66		87	75-125			
1,2-Dibromo-3-chloropropane	4.09	1.0	ppmv	5.17		79	50-135			
Dibromochloromethane	5.56	0.59	ppmv	5.87		95	70-140			
1,2-Dibromoethane (EDB)	5.91	0.65	ppmv	6.51		91	75-125			
Dibromomethane	6.53	0.70	ppmv	7.03		93	70-125			
1,2-Dichlorobenzene	7.63	0.83	ppmv	8.32		92	75-120			
1,3-Dichlorobenzene	7.89	0.83	ppmv	8.32		95	75-120			
1,4-Dichlorobenzene	7.69	0.83	ppmv	8.32		93	75-120			
Dichlorodifluoromethane	8.79	1.0	ppmv	10.1		87	35-155			
1,1-Dichloroethane	11.1	1.2	ppmv	12.4		90	70-125			
1,2-Dichloroethane	11.3	1.2	ppmv	12.4		91	60-140			
1,1-Dichloroethene	11.3	1.3	ppmv	12.6		90	70-125			
cis-1,2-Dichloroethene	12.5	1.3	ppmv	12.6		100	70-125			
trans-1,2-Dichloroethene	11.5	1.3	ppmv	12.6		91	70-125			
1,2-Dichloropropane	9.47	1.1	ppmv	10.8		88	70-125			
1,3-Dichloropropane	9.63	1.1	ppmv	10.8		89	70-120			
2,2-Dichloropropane	10.1	1.1	ppmv	10.8		93	65-140			
cis-1,3-Dichloropropene	12.1	1.1	ppmv	11.0		110	75-125			
trans-1,3-Dichloropropene	9.21	1.1	ppmv	11.0		84	70-125			
1,1-Dichloropropene	9.68	1.1	ppmv	11.0		88	75-130			
Ethylbenzene	10.6	1.2	ppmv	11.5		92	75-125			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10B3050 Extracted: 02/25/10										
LCS Analyzed: 02/25/2010 (10B3050-BS1)										
Hexachlorobutadiene	3.72	0.47	ppmv	4.69		79	65-135			
Isopropylbenzene	8.63	1.0	ppmv	10.2		85	75-130			
p-Isopropyltoluene	8.19	0.91	ppmv	9.11		90	75-125			
Methylene chloride	13.2	1.4	ppmv	14.4		92	55-130			
Naphthalene	7.76	1.0	ppmv	9.54		81	55-135			
n-Propylbenzene	8.84	1.0	ppmv	10.2		87	75-130			
Styrene	11.5	2.4	ppmv	11.7		98	75-130			
1,1,1,2-Tetrachloroethane	7.08	0.73	ppmv	7.28		97	70-130			
1,2,2-Tetrachloroethane	6.87	0.73	ppmv	7.28		94	55-130			
etrachloroethene	6.80	0.74	ppmv	7.37		92	70-125			
oluene	12.2	1.3	ppmv	13.3		92	70-120			
1,2,3-Trichlorobenzene	5.54	0.67	ppmv	6.74		82	65-125			
1,2,4-Trichlorobenzene	5.94	0.67	ppmv	6.74		88	70-135			
1,1,1-Trichloroethane	8.22	0.92	ppmv	9.16		90	65-135			
1,1,2-Trichloroethane	8.90	0.92	ppmv	9.16		97	70-125			
Trichloroethene	8.65	0.93	ppmv	9.30		93	70-125			
Trichlorofluoromethane	8.13	0.89	ppmv	8.90		91	65-145			
1,2,3-Trichloropropane	6.87	0.83	ppmv	8.29		83	60-130			
1,2,4-Trimethylbenzene	8.96	1.0	ppmv	10.2		88	75-125			
1,3,5-Trimethylbenzene	8.82	1.0	ppmv	10.2		87	75-125			
Vinyl chloride	14.2	2.0	ppmv	19.6		73	55-135			
m,p-Xylenes	22.2	1.2	ppmv	23.0		96	75-125			
Di-isopropyl Ether (DIPE)	10.6	1.2	ppmv	12.0		88	60-135			
Ethyl tert-Butyl Ether (ETBE)	9.99	1.3	ppmv	12.0		84	65-135			
Methyl-tert-butyl Ether (MTBE)	12.2	1.4	ppmv	13.9		88	60-135			
tert-Amyl Methyl Ether (TAME)	10.3	1.2	ppmv	12.0		86	60-135			
tert-Butanol (TBA)	77.1	17	ppmv	82.5		93	70-135			
Surrogate: 4-Bromofluorobenzene	*7.31*		*ppmv*	*6.99*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*6.84*		*ppmv*	*6.37*		*107*	*80-120*			
Surrogate: Toluene-d8	*13.0*		*ppmv*	*12.2*		*107*	*80-120*			

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10B3050 Extracted: 02/25/10										
Duplicate Analyzed: 02/25/2010 (10B3050-DUP1)					**Source: ITB2509-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10B3050 Extracted: 02/25/10										
Duplicate Analyzed: 02/25/2010 (10B3050-DUP1)					**Source: ITB2509-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
etrachloroethene	ND	0.74	ppmv		ND				20	
oluene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.64*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.47*		*ppmv*	*6.37*		*102*	*80-120*			
Surrogate: Toluene-d8	*13.1*		*ppmv*	*12.2*		*107*	*80-120*			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10B3109 Extracted: 02/25/10										
Duplicate Analyzed: 02/25/2010 (10B3109-DUP1)					**Source: ITB2386-01**					
Carbon Dioxide	0.760	0.10	% by Volume		0.750			1	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	0.260	0.10	% by Volume		0.280			7	20	
Nitrogen	82.3	20	% by Volume		82.4			0.01	20	
Oxygen	16.6	5.5	% by Volume		16.6			0.1	20	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITB2509

Sampled: 02/24/10
Received: 02/24/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Patty Mata
Project Manager

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LAB: Test STL Other_____

Lab Identification (if necessary):
- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced: George Landreth

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON
- [ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 02/24/2010

PAGE: 1 of 1

SAMPLING COMPANY: C2 REM	LOG CODE:
SITE ADDRESS: Street and City: 20245 S. Vermont St., Torrance	State: CA
GLOBAL ID NO.:	
ADDRESS: 2382 S.E. Bristol, Suite B, Newport Beach, CA 92660	
EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.: 1-949-261-8098
E-MAIL: sklemm@c2rem.com	CONSULTANT PROJECT NO.: 97-101 (Del Amo SVE/IBT)
PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm	
TELEPHONE: (949) 261-8098	FAX: (949) 261-8097
E-MAIL: sklemm@c2rem.com	SAMPLER NAME(S) (Print): SA, SM
LAB USE ONLY: IT82509	

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet and inlet Dup are high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946						TEMPERATURE ON RECEIPT C°
	Effluent	2/24/10	11:00	Air	1 Tedlar														X	X						
	Carbon 1	↓	↓	Air	1 Tedlar														X	X						
	Post Ambient Air			Air	1 Tedlar														X	X						
	Inlet			Air	1 Tedlar														X	X						
	Inlet Dup			Air	1 Tedlar														X	X						

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

1875
2/24/10
AP

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	02/24/2010	3:30 PM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

11/18/05 Revision

R+

Q&Q Graphic (714) 898-9702

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THE LEADER IN ENVIRONMENTAL TESTING
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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 03/29/10
Received: 03/29/10
Issued: 04/08/10 16:43

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITC2721-01	Effluent	Air
ITC2721-02	Carbon 1	Air
ITC2721-03	Post Ambient Air	Air
ITC2721-04	Inlet	Air
ITC2721-05	Inlet Dup	Air

Reviewed By:

A. H.

stAmerica Irvine

Aaron Harris For Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10C3415	1.6	ND	1	3/29/2010	3/29/2010	
Bromobenzene	EPA 8260B MOD	10C3415	0.78	ND	1	3/29/2010	3/29/2010	
Bromochloromethane	EPA 8260B MOD	10C3415	0.94	ND	1	3/29/2010	3/29/2010	
Bromodichloromethane	EPA 8260B MOD	10C3415	0.75	ND	1	3/29/2010	3/29/2010	
Bromoform	EPA 8260B MOD	10C3415	0.48	ND	1	3/29/2010	3/29/2010	
Bromomethane	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/29/2010	
n-Butylbenzene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/29/2010	
sec-Butylbenzene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/29/2010	
tert-Butylbenzene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/29/2010	
Carbon tetrachloride	EPA 8260B MOD	10C3415	0.79	ND	1	3/29/2010	3/29/2010	
Chlorobenzene	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
Chloroethane	EPA 8260B MOD	10C3415	1.9	ND	1	3/29/2010	3/29/2010	
Chloroform	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
Chloromethane	EPA 8260B MOD	10C3415	2.4	ND	1	3/29/2010	3/29/2010	
2-Chlorotoluene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
4-Chlorotoluene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
Dibromochloromethane	EPA 8260B MOD	10C3415	0.59	ND	1	3/29/2010	3/29/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10C3415	0.65	ND	1	3/29/2010	3/29/2010	
Dibromomethane	EPA 8260B MOD	10C3415	0.70	ND	1	3/29/2010	3/29/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/29/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/29/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/29/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
1,1-Dichloroethane	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
1,2-Dichloroethane	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
1,1-Dichloroethene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/29/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/29/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/29/2010	
1,2-Dichloropropane	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/29/2010	
1,3-Dichloropropane	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/29/2010	
2,2-Dichloropropane	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/29/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/29/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/29/2010	
1,1-Dichloropropene	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/29/2010	
Ethylbenzene	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
Hexachlorobutadiene	EPA 8260B MOD	10C3415	0.47	ND	1	3/29/2010	3/29/2010	
Isopropylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
p-Isopropyltoluene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/29/2010	
Methylene chloride	EPA 8260B MOD	10C3415	1.4	ND	1	3/29/2010	3/29/2010	
Naphthalene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	

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Project Manager

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
Styrene	EPA 8260B MOD	10C3415	2.4	ND	1	3/29/2010	3/29/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10C3415	0.73	ND	1	3/29/2010	3/29/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10C3415	0.73	ND	1	3/29/2010	3/29/2010	
Tetrachloroethene	EPA 8260B MOD	10C3415	0.74	ND	1	3/29/2010	3/29/2010	
Toluene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/29/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10C3415	0.67	ND	1	3/29/2010	3/29/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10C3415	0.67	ND	1	3/29/2010	3/29/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10C3415	0.92	ND	1	3/29/2010	3/29/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10C3415	0.92	ND	1	3/29/2010	3/29/2010	
Trichloroethene	EPA 8260B MOD	10C3415	0.93	ND	1	3/29/2010	3/29/2010	
Trichlorofluoromethane	EPA 8260B MOD	10C3415	0.89	ND	1	3/29/2010	3/29/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/29/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/29/2010	
Vinyl chloride	EPA 8260B MOD	10C3415	2.0	ND	1	3/29/2010	3/29/2010	
m,p-Xylenes	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
o-Xylene	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/29/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10C3415	1.4	ND	1	3/29/2010	3/29/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/29/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10C3415	17	ND	1	3/29/2010	3/29/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project Manager

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10C3415	1.6	ND	1	3/29/2010	3/30/2010	
Bromobenzene	EPA 8260B MOD	10C3415	0.78	ND	1	3/29/2010	3/30/2010	
Bromochloromethane	EPA 8260B MOD	10C3415	0.94	ND	1	3/29/2010	3/30/2010	
Bromodichloromethane	EPA 8260B MOD	10C3415	0.75	ND	1	3/29/2010	3/30/2010	
Bromoform	EPA 8260B MOD	10C3415	0.48	ND	1	3/29/2010	3/30/2010	
Bromomethane	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/30/2010	
n-Butylbenzene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/30/2010	
sec-Butylbenzene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/30/2010	
tert-Butylbenzene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/30/2010	
Carbon tetrachloride	EPA 8260B MOD	10C3415	0.79	ND	1	3/29/2010	3/30/2010	
Chlorobenzene	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
Chloroethane	EPA 8260B MOD	10C3415	1.9	ND	1	3/29/2010	3/30/2010	
Chloroform	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
Chloromethane	EPA 8260B MOD	10C3415	2.4	ND	1	3/29/2010	3/30/2010	
2-Chlorotoluene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
4-Chlorotoluene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
Dibromochloromethane	EPA 8260B MOD	10C3415	0.59	ND	1	3/29/2010	3/30/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10C3415	0.65	ND	1	3/29/2010	3/30/2010	
Dibromomethane	EPA 8260B MOD	10C3415	0.70	ND	1	3/29/2010	3/30/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/30/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/30/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/30/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
1,1-Dichloroethane	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
1,2-Dichloroethane	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
1,1-Dichloroethene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/30/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/30/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/30/2010	
1,2-Dichloropropane	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/30/2010	
1,3-Dichloropropane	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/30/2010	
2,2-Dichloropropane	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/30/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/30/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/30/2010	
1,1-Dichloropropene	EPA 8260B MOD	10C3415	1.1	ND	1	3/29/2010	3/30/2010	
Ethylbenzene	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
Hexachlorobutadiene	EPA 8260B MOD	10C3415	0.47	ND	1	3/29/2010	3/30/2010	
Isopropylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
p-Isopropyltoluene	EPA 8260B MOD	10C3415	0.91	ND	1	3/29/2010	3/30/2010	
Methylene chloride	EPA 8260B MOD	10C3415	1.4	ND	1	3/29/2010	3/30/2010	
Naphthalene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
Styrene	EPA 8260B MOD	10C3415	2.4	ND	1	3/29/2010	3/30/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10C3415	0.73	ND	1	3/29/2010	3/30/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10C3415	0.73	ND	1	3/29/2010	3/30/2010	
Tetrachloroethene	EPA 8260B MOD	10C3415	0.74	ND	1	3/29/2010	3/30/2010	
Toluene	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/30/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10C3415	0.67	ND	1	3/29/2010	3/30/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10C3415	0.67	ND	1	3/29/2010	3/30/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10C3415	0.92	ND	1	3/29/2010	3/30/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10C3415	0.92	ND	1	3/29/2010	3/30/2010	
Trichloroethene	EPA 8260B MOD	10C3415	0.93	ND	1	3/29/2010	3/30/2010	
Trichlorofluoromethane	EPA 8260B MOD	10C3415	0.89	ND	1	3/29/2010	3/30/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10C3415	0.83	ND	1	3/29/2010	3/30/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10C3415	1.0	ND	1	3/29/2010	3/30/2010	
Vinyl chloride	EPA 8260B MOD	10C3415	2.0	ND	1	3/29/2010	3/30/2010	
m,p-Xylenes	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
o-Xylene	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10C3415	1.3	ND	1	3/29/2010	3/30/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10C3415	1.4	ND	1	3/29/2010	3/30/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10C3415	1.2	ND	1	3/29/2010	3/30/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10C3415	17	ND	1	3/29/2010	3/30/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Aaron Harris For Patty Mata
Project Manager

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10C3634	400	**3100**	250	3/30/2010	3/30/2010	
Bromobenzene	EPA 8260B MOD	10C3634	200	ND	250	3/30/2010	3/30/2010	
Bromochloromethane	EPA 8260B MOD	10C3634	240	ND	250	3/30/2010	3/30/2010	
Bromodichloromethane	EPA 8260B MOD	10C3634	190	ND	250	3/30/2010	3/30/2010	
Bromoform	EPA 8260B MOD	10C3634	120	ND	250	3/30/2010	3/30/2010	
Bromomethane	EPA 8260B MOD	10C3634	320	ND	250	3/30/2010	3/30/2010	
n-Butylbenzene	EPA 8260B MOD	10C3634	230	ND	250	3/30/2010	3/30/2010	
sec-Butylbenzene	EPA 8260B MOD	10C3634	230	ND	250	3/30/2010	3/30/2010	
tert-Butylbenzene	EPA 8260B MOD	10C3634	230	ND	250	3/30/2010	3/30/2010	
Carbon tetrachloride	EPA 8260B MOD	10C3634	200	ND	250	3/30/2010	3/30/2010	
Chlorobenzene	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
Chloroethane	EPA 8260B MOD	10C3634	480	ND	250	3/30/2010	3/30/2010	
Chloroform	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
Chloromethane	EPA 8260B MOD	10C3634	600	ND	250	3/30/2010	3/30/2010	
2-Chlorotoluene	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
4-Chlorotoluene	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
Dibromochloromethane	EPA 8260B MOD	10C3634	150	ND	250	3/30/2010	3/30/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10C3634	160	ND	250	3/30/2010	3/30/2010	
Dibromomethane	EPA 8260B MOD	10C3634	180	ND	250	3/30/2010	3/30/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10C3634	210	ND	250	3/30/2010	3/30/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10C3634	210	ND	250	3/30/2010	3/30/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10C3634	210	ND	250	3/30/2010	3/30/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
1,1-Dichloroethane	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
1,2-Dichloroethane	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
1,1-Dichloroethene	EPA 8260B MOD	10C3634	320	ND	250	3/30/2010	3/30/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10C3634	320	ND	250	3/30/2010	3/30/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10C3634	320	ND	250	3/30/2010	3/30/2010	
1,2-Dichloropropane	EPA 8260B MOD	10C3634	280	ND	250	3/30/2010	3/30/2010	
1,3-Dichloropropane	EPA 8260B MOD	10C3634	280	ND	250	3/30/2010	3/30/2010	
2,2-Dichloropropane	EPA 8260B MOD	10C3634	280	ND	250	3/30/2010	3/30/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10C3634	280	ND	250	3/30/2010	3/30/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10C3634	280	ND	250	3/30/2010	3/30/2010	
1,1-Dichloropropene	EPA 8260B MOD	10C3634	280	ND	250	3/30/2010	3/30/2010	
Ethylbenzene	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
Hexachlorobutadiene	EPA 8260B MOD	10C3634	120	ND	250	3/30/2010	3/30/2010	
Isopropylbenzene	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
p-Isopropyltoluene	EPA 8260B MOD	10C3634	230	ND	250	3/30/2010	3/30/2010	
Methylene chloride	EPA 8260B MOD	10C3634	350	ND	250	3/30/2010	3/30/2010	
Naphthalene	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
Styrene	EPA 8260B MOD	10C3634	600	ND	250	3/30/2010	3/30/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10C3634	180	ND	250	3/30/2010	3/30/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10C3634	180	ND	250	3/30/2010	3/30/2010	
Tetrachloroethene	EPA 8260B MOD	10C3634	180	ND	250	3/30/2010	3/30/2010	
Toluene	EPA 8260B MOD	10C3634	320	ND	250	3/30/2010	3/30/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10C3634	170	ND	250	3/30/2010	3/30/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10C3634	170	ND	250	3/30/2010	3/30/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10C3634	230	ND	250	3/30/2010	3/30/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10C3634	230	ND	250	3/30/2010	3/30/2010	
Trichloroethene	EPA 8260B MOD	10C3634	230	ND	250	3/30/2010	3/30/2010	
Trichlorofluoromethane	EPA 8260B MOD	10C3634	220	ND	250	3/30/2010	3/30/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10C3634	210	ND	250	3/30/2010	3/30/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10C3634	250	ND	250	3/30/2010	3/30/2010	
Vinyl chloride	EPA 8260B MOD	10C3634	500	ND	250	3/30/2010	3/30/2010	
m,p-Xylenes	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
o-Xylene	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10C3634	320	ND	250	3/30/2010	3/30/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10C3634	350	ND	250	3/30/2010	3/30/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10C3634	300	ND	250	3/30/2010	3/30/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10C3634	4200	ND	250	3/30/2010	3/30/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project Manager

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10C3415	320	**5000**	200	3/29/2010	3/30/2010	
Bromobenzene	EPA 8260B MOD	10C3415	160	ND	200	3/29/2010	3/30/2010	
Bromochloromethane	EPA 8260B MOD	10C3415	190	ND	200	3/29/2010	3/30/2010	
Bromodichloromethane	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
Bromoform	EPA 8260B MOD	10C3415	96	ND	200	3/29/2010	3/30/2010	
Bromomethane	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
n-Butylbenzene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
sec-Butylbenzene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
tert-Butylbenzene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
Carbon tetrachloride	EPA 8260B MOD	10C3415	160	ND	200	3/29/2010	3/30/2010	
Chlorobenzene	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
Chloroethane	EPA 8260B MOD	10C3415	380	ND	200	3/29/2010	3/30/2010	
Chloroform	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
Chloromethane	EPA 8260B MOD	10C3415	480	ND	200	3/29/2010	3/30/2010	
2-Chlorotoluene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
4-Chlorotoluene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
Dibromochloromethane	EPA 8260B MOD	10C3415	120	ND	200	3/29/2010	3/30/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10C3415	130	ND	200	3/29/2010	3/30/2010	
Dibromomethane	EPA 8260B MOD	10C3415	140	ND	200	3/29/2010	3/30/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
1,1-Dichloroethane	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
1,2-Dichloroethane	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
1,1-Dichloroethene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
1,2-Dichloropropane	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
1,3-Dichloropropane	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
2,2-Dichloropropane	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
1,1-Dichloropropene	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
Ethylbenzene	EPA 8260B MOD	10C3415	240	**250**	200	3/29/2010	3/30/2010	
Hexachlorobutadiene	EPA 8260B MOD	10C3415	94	ND	200	3/29/2010	3/30/2010	
Isopropylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
p-Isopropyltoluene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
Methylene chloride	EPA 8260B MOD	10C3415	280	ND	200	3/29/2010	3/30/2010	
Naphthalene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
Styrene	EPA 8260B MOD	10C3415	480	ND	200	3/29/2010	3/30/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
Tetrachloroethene	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
Toluene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10C3415	130	ND	200	3/29/2010	3/30/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10C3415	130	ND	200	3/29/2010	3/30/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
Trichloroethene	EPA 8260B MOD	10C3415	190	ND	200	3/29/2010	3/30/2010	
Trichlorofluoromethane	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
Vinyl chloride	EPA 8260B MOD	10C3415	400	ND	200	3/29/2010	3/30/2010	
m,p-Xylenes	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
o-Xylene	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10C3415	280	ND	200	3/29/2010	3/30/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10C3415	3400	ND	200	3/29/2010	3/30/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-05 (Inlet Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10C3415	320	**21000**	200	3/29/2010	3/30/2010	
Bromobenzene	EPA 8260B MOD	10C3415	160	ND	200	3/29/2010	3/30/2010	
Bromochloromethane	EPA 8260B MOD	10C3415	190	ND	200	3/29/2010	3/30/2010	
Bromodichloromethane	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
Bromoform	EPA 8260B MOD	10C3415	96	ND	200	3/29/2010	3/30/2010	
Bromomethane	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
n-Butylbenzene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
sec-Butylbenzene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
tert-Butylbenzene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
Carbon tetrachloride	EPA 8260B MOD	10C3415	160	ND	200	3/29/2010	3/30/2010	
Chlorobenzene	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
Chloroethane	EPA 8260B MOD	10C3415	380	ND	200	3/29/2010	3/30/2010	
Chloroform	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
Chloromethane	EPA 8260B MOD	10C3415	480	ND	200	3/29/2010	3/30/2010	
2-Chlorotoluene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
4-Chlorotoluene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
Dibromochloromethane	EPA 8260B MOD	10C3415	120	ND	200	3/29/2010	3/30/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10C3415	130	ND	200	3/29/2010	3/30/2010	
Dibromomethane	EPA 8260B MOD	10C3415	140	ND	200	3/29/2010	3/30/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
1,1-Dichloroethane	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
1,2-Dichloroethane	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
1,1-Dichloroethene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
1,2-Dichloropropane	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
1,3-Dichloropropane	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
2,2-Dichloropropane	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
1,1-Dichloropropene	EPA 8260B MOD	10C3415	220	ND	200	3/29/2010	3/30/2010	
Ethylbenzene	EPA 8260B MOD	10C3415	240	**1000**	200	3/29/2010	3/30/2010	
Hexachlorobutadiene	EPA 8260B MOD	10C3415	94	ND	200	3/29/2010	3/30/2010	
Isopropylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
p-Isopropyltoluene	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
Methylene chloride	EPA 8260B MOD	10C3415	280	ND	200	3/29/2010	3/30/2010	
Naphthalene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-05 (Inlet Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
Styrene	EPA 8260B MOD	10C3415	480	ND	200	3/29/2010	3/30/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
Tetrachloroethene	EPA 8260B MOD	10C3415	150	ND	200	3/29/2010	3/30/2010	
Toluene	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10C3415	130	ND	200	3/29/2010	3/30/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10C3415	130	ND	200	3/29/2010	3/30/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
Trichloroethene	EPA 8260B MOD	10C3415	190	ND	200	3/29/2010	3/30/2010	
Trichlorofluoromethane	EPA 8260B MOD	10C3415	180	ND	200	3/29/2010	3/30/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10C3415	170	ND	200	3/29/2010	3/30/2010	
1 2,4-Trimethylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
,5-Trimethylbenzene	EPA 8260B MOD	10C3415	200	ND	200	3/29/2010	3/30/2010	
nyl chloride	EPA 8260B MOD	10C3415	400	ND	200	3/29/2010	3/30/2010	
m,p-Xylenes	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
o-Xylene	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10C3415	260	ND	200	3/29/2010	3/30/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10C3415	280	ND	200	3/29/2010	3/30/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10C3415	240	ND	200	3/29/2010	3/30/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10C3415	3400	ND	200	3/29/2010	3/30/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITC2721-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10C3856	0.10	**1.2**	1	3/31/2010	3/31/2010	
Carbon Monoxide	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Methane	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Nitrogen	ASTM D1946-90	10C3856	20	**78**	1	3/31/2010	3/31/2010	
Oxygen	ASTM D1946-90	10C3856	5.5	**21**	1	3/31/2010	3/31/2010	
Sample ID: ITC2721-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10C3856	0.10	**1.3**	1	3/31/2010	3/31/2010	
Carbon Monoxide	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Methane	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Nitrogen	ASTM D1946-90	10C3856	20	**78**	1	3/31/2010	3/31/2010	
Oxygen	ASTM D1946-90	10C3856	5.5	**21**	1	3/31/2010	3/31/2010	
Sample ID: ITC2721-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10C3856	0.10	**2.3**	1	3/31/2010	3/31/2010	
Carbon Monoxide	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Methane	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Nitrogen	ASTM D1946-90	10C3856	20	**78**	1	3/31/2010	3/31/2010	
Oxygen	ASTM D1946-90	10C3856	5.5	**20**	1	3/31/2010	3/31/2010	
Sample ID: ITC2721-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10C3856	0.10	**18**	1	3/31/2010	3/31/2010	
Carbon Monoxide	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Methane	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Nitrogen	ASTM D1946-90	10C3856	20	**73**	1	3/31/2010	3/31/2010	
Oxygen	ASTM D1946-90	10C3856	5.5	**9.0**	1	3/31/2010	3/31/2010	
Sample ID: ITC2721-05 (Inlet Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10C3856	0.10	**17**	1	3/31/2010	3/31/2010	
Carbon Monoxide	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Methane	ASTM D1946-90	10C3856	0.10	ND	1	3/31/2010	3/31/2010	
Nitrogen	ASTM D1946-90	10C3856	20	**74**	1	3/31/2010	3/31/2010	
Oxygen	ASTM D1946-90	10C3856	5.5	**9.4**	1	3/31/2010	3/31/2010	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITC2721-01) - Air					
ASTM D1946-90	3	03/29/2010 15:15	03/29/2010 17:30	03/31/2010 11:31	03/31/2010 11:31
EPA 8260B MOD	3	03/29/2010 15:15	03/29/2010 17:30	03/29/2010 22:57	03/29/2010 23:13
Sample ID: Carbon 1 (ITC2721-02) - Air					
ASTM D1946-90	3	03/29/2010 15:20	03/29/2010 17:30	03/31/2010 12:23	03/31/2010 12:23
EPA 8260B MOD	3	03/29/2010 15:20	03/29/2010 17:30	03/29/2010 23:02	03/30/2010 00:08
Sample ID: Post Ambient Air (ITC2721-03) - Air					
ASTM D1946-90	3	03/29/2010 15:25	03/29/2010 17:30	03/31/2010 12:40	03/31/2010 12:40
EPA 8260B MOD	3	03/29/2010 15:25	03/29/2010 17:30	03/30/2010 00:00	03/30/2010 13:19
Sample ID: Inlet (ITC2721-04) - Air					
ASTM D1946-90	3	03/29/2010 15:30	03/29/2010 17:30	03/31/2010 13:35	03/31/2010 13:35
EPA 8260B MOD	3	03/29/2010 15:30	03/29/2010 17:30	03/29/2010 23:08	03/30/2010 01:04
Sample ID: Inlet Dup (ITC2721-05) - Air					
ASTM D1946-90	3	03/29/2010 15:30	03/29/2010 17:30	03/31/2010 13:52	03/31/2010 13:52
EPA 8260B MOD	3	03/29/2010 15:30	03/29/2010 17:30	03/29/2010 23:11	03/30/2010 01:31

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3415 Extracted: 03/29/10										
Blank Analyzed: 03/29/2010 (10C3415-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3415 Extracted: 03/29/10										
Blank Analyzed: 03/29/2010 (10C3415-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,2,2-Tetrachloroethane	ND	0.73	ppmv							
rachloroethene	ND	0.74	ppmv							
luene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*7.66*		*ppmv*	*6.99*		*110*	*80-120*			
Surrogate: Dibromofluoromethane	*6.57*		*ppmv*	*6.37*		*103*	*80-120*			
Surrogate: Toluene-d8	*12.8*		*ppmv*	*12.2*		*105*	*80-120*			

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Project Manager

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3415 Extracted: 03/29/10										
LCS Analyzed: 03/29/2010 (10C3415-BS1)										
Benzene	13.0	1.6	ppmv	15.7		83	70-120			
Bromobenzene	7.29	0.78	ppmv	7.79		94	75-120			
Bromochloromethane	8.45	0.94	ppmv	9.45		89	70-130			
Bromodichloromethane	9.11	0.75	ppmv	7.46		122	70-135			
Bromoform	4.80	0.48	ppmv	4.84		99	55-130			
Bromomethane	12.3	1.3	ppmv	12.9		96	65-140			
n-Butylbenzene	8.46	0.91	ppmv	9.11		93	70-130			
sec-Butylbenzene	8.31	0.91	ppmv	9.11		91	70-125			
tert-Butylbenzene	8.64	0.91	ppmv	9.11		95	70-125			
Carbon tetrachloride	10.4	0.79	ppmv	7.95		130	65-140			
Chlorobenzene	10.3	1.2	ppmv	10.9		95	75-120			
Chloroethane	15.2	1.9	ppmv	18.9		80	60-140			
Chloroform	9.94	1.0	ppmv	10.2		97	70-130			
Chloromethane	17.5	2.4	ppmv	24.2		72	50-140			
2-Chlorotoluene	8.70	1.0	ppmv	9.66		90	70-125			
4-Chlorotoluene	9.23	1.0	ppmv	9.66		96	75-125			
1,2-Dibromo-3-chloropropane	5.03	1.0	ppmv	5.17		97	50-135			
Dibromochloromethane	6.24	0.59	ppmv	5.87		106	70-140			
1,2-Dibromoethane (EDB)	6.17	0.65	ppmv	6.51		95	75-125			
Dibromomethane	6.98	0.70	ppmv	7.03		99	70-125			
1,2-Dichlorobenzene	7.91	0.83	ppmv	8.32		95	75-120			
1,3-Dichlorobenzene	7.98	0.83	ppmv	8.32		96	75-120			
1,4-Dichlorobenzene	7.88	0.83	ppmv	8.32		95	75-120			
Dichlorodifluoromethane	9.42	1.0	ppmv	10.1		93	35-155			
1,1-Dichloroethane	10.7	1.2	ppmv	12.4		87	70-125			
1,2-Dichloroethane	13.3	1.2	ppmv	12.4		108	60-140			
1,1-Dichloroethene	10.6	1.3	ppmv	12.6		84	70-125			
cis-1,2-Dichloroethene	11.3	1.3	ppmv	12.6		89	70-125			
trans-1,2-Dichloroethene	10.8	1.3	ppmv	12.6		86	70-125			
1,2-Dichloropropane	8.81	1.1	ppmv	10.8		81	70-125			
1,3-Dichloropropane	9.69	1.1	ppmv	10.8		90	70-120			
2,2-Dichloropropane	10.2	1.1	ppmv	10.8		94	65-140			
cis-1,3-Dichloropropene	12.8	1.1	ppmv	11.0		116	75-125			
trans-1,3-Dichloropropene	10.2	1.1	ppmv	11.0		93	70-125			
1,1-Dichloropropene	10.3	1.1	ppmv	11.0		94	75-130			
Ethylbenzene	10.6	1.2	ppmv	11.5		92	75-125			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3415 Extracted: 03/29/10										
LCS Analyzed: 03/29/2010 (10C3415-BS1)										
Hexachlorobutadiene	4.82	0.47	ppmv	4.69		103	65-135			
Isopropylbenzene	9.00	1.0	ppmv	10.2		88	75-130			
p-Isopropyltoluene	8.66	0.91	ppmv	9.11		95	75-125			
Methylene chloride	12.0	1.4	ppmv	14.4		83	55-130			
Naphthalene	8.76	1.0	ppmv	9.54		92	55-135			
n-Propylbenzene	9.06	1.0	ppmv	10.2		89	75-130			
Styrene	11.4	2.4	ppmv	11.7		97	75-130			
1,1,1,2-Tetrachloroethane	8.06	0.73	ppmv	7.28		111	70-130			
1,2,2-Tetrachloroethane	6.65	0.73	ppmv	7.28		91	55-130			
trachloroethene	7.32	0.74	ppmv	7.37		99	70-125			
luene	11.4	1.3	ppmv	13.3		86	70-120			
1,2,3-Trichlorobenzene	6.38	0.67	ppmv	6.74		95	65-125			
1,2,4-Trichlorobenzene	6.92	0.67	ppmv	6.74		103	70-135			
1,1,1-Trichloroethane	10.6	0.92	ppmv	9.16		116	65-135			
1,1,2-Trichloroethane	8.56	0.92	ppmv	9.16		93	70-125			
Trichloroethene	9.30	0.93	ppmv	9.30		100	70-125			
Trichlorofluoromethane	10.2	0.89	ppmv	8.90		115	65-145			
1,2,3-Trichloropropane	7.16	0.83	ppmv	8.29		86	60-130			
1,2,4-Trimethylbenzene	9.76	1.0	ppmv	10.2		96	75-125			
1,3,5-Trimethylbenzene	9.32	1.0	ppmv	10.2		92	75-125			
Vinyl chloride	16.9	2.0	ppmv	19.6		86	55-135			
m,p-Xylenes	20.4	1.2	ppmv	23.0		88	75-125			
Di-isopropyl Ether (DIPE)	9.48	1.2	ppmv	12.0		79	60-135			
Ethyl tert-Butyl Ether (ETBE)	8.75	1.3	ppmv	12.0		73	65-135			
Methyl-tert-butyl Ether (MTBE)	12.1	1.4	ppmv	13.9		87	60-135			
tert-Amyl Methyl Ether (TAME)	8.47	1.2	ppmv	12.0		71	60-135			
tert-Butanol (TBA)	91.2	17	ppmv	82.5		111	70-135			
Surrogate: 4-Bromofluorobenzene	*7.55*		*ppmv*	*6.99*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*6.64*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*13.0*		*ppmv*	*12.2*		*106*	*80-120*			

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3415 Extracted: 03/29/10										
Duplicate Analyzed: 03/29/2010 (10C3415-DUP1)					**Source: ITC2721-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3415 Extracted: 03/29/10										
Duplicate Analyzed: 03/29/2010 (10C3415-DUP1)					**Source: ITC2721-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	0.558	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
Toluene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*7.58*		*ppmv*	*6.99*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*6.44*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*13.0*		*ppmv*	*12.2*		*106*	*80-120*			

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Aaron Harris For Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3634 Extracted: 03/30/10										
Blank Analyzed: 03/30/2010 (10C3634-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Aaron Harris For Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3634 Extracted: 03/30/10										
Blank Analyzed: 03/30/2010 (10C3634-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,2,2-Tetrachloroethane	ND	0.73	ppmv							
trachloroethene	ND	0.74	ppmv							
oluene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*7.44*		*ppmv*	*6.99*		*106*	*80-120*			
Surrogate: Dibromofluoromethane	*6.41*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.9*		*ppmv*	*12.2*		*106*	*80-120*			

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Project Manager

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2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3634 Extracted: 03/30/10										
LCS Analyzed: 03/30/2010 (10C3634-BS1)										
Benzene	13.4	1.6	ppmv	15.7		86	70-120			
Bromobenzene	7.68	0.78	ppmv	7.79		99	75-120			
Bromochloromethane	8.91	0.94	ppmv	9.45		94	70-130			
Bromodichloromethane	8.96	0.75	ppmv	7.46		120	70-135			
Bromoform	4.88	0.48	ppmv	4.84		101	55-130			
Bromomethane	12.9	1.3	ppmv	12.9		100	65-140			
n-Butylbenzene	8.79	0.91	ppmv	9.11		97	70-130			
sec-Butylbenzene	8.82	0.91	ppmv	9.11		97	70-125			
tert-Butylbenzene	8.99	0.91	ppmv	9.11		99	70-125			
Carbon tetrachloride	9.86	0.79	ppmv	7.95		124	65-140			
Chlorobenzene	11.0	1.2	ppmv	10.9		101	75-120			
Chloroethane	15.7	1.9	ppmv	18.9		83	60-140			
Chloroform	10.1	1.0	ppmv	10.2		99	70-130			
Chloromethane	17.5	2.4	ppmv	24.2		72	50-140			
2-Chlorotoluene	9.18	1.0	ppmv	9.66		95	70-125			
4-Chlorotoluene	9.63	1.0	ppmv	9.66		100	75-125			
1,2-Dibromo-3-chloropropane	5.17	1.0	ppmv	5.17		100	50-135			
Dibromochloromethane	6.32	0.59	ppmv	5.87		108	70-140			
1,2-Dibromoethane (EDB)	6.52	0.65	ppmv	6.51		100	75-125			
Dibromomethane	7.00	0.70	ppmv	7.03		99	70-125			
1,2-Dichlorobenzene	8.41	0.83	ppmv	8.32		101	75-120			
1,3-Dichlorobenzene	8.42	0.83	ppmv	8.32		101	75-120			
1,4-Dichlorobenzene	8.30	0.83	ppmv	8.32		100	75-120			
Dichlorodifluoromethane	8.08	1.0	ppmv	10.1		80	35-155			
1,1-Dichloroethane	11.0	1.2	ppmv	12.4		89	70-125			
1,2-Dichloroethane	13.1	1.2	ppmv	12.4		106	60-140			
1,1-Dichloroethene	10.9	1.3	ppmv	12.6		87	70-125			
cis-1,2-Dichloroethene	11.9	1.3	ppmv	12.6		94	70-125			
trans-1,2-Dichloroethene	11.2	1.3	ppmv	12.6		89	70-125			
1,2-Dichloropropane	9.07	1.1	ppmv	10.8		84	70-125			
1,3-Dichloropropane	10.2	1.1	ppmv	10.8		94	70-120			
2,2-Dichloropropane	10.0	1.1	ppmv	10.8		93	65-140			
cis-1,3-Dichloropropene	13.0	1.1	ppmv	11.0		118	75-125			
trans-1,3-Dichloropropene	10.3	1.1	ppmv	11.0		93	70-125			
1,1-Dichloropropene	10.4	1.1	ppmv	11.0		95	75-130			
Ethylbenzene	11.2	1.2	ppmv	11.5		98	75-125			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3634 Extracted: 03/30/10										
LCS Analyzed: 03/30/2010 (10C3634-BS1)										
Hexachlorobutadiene	5.10	0.47	ppmv	4.69		109	65-135			
Isopropylbenzene	9.50	1.0	ppmv	10.2		93	75-130			
p-Isopropyltoluene	9.08	0.91	ppmv	9.11		100	75-125			
Methylene chloride	11.7	1.4	ppmv	14.4		81	55-130			
Naphthalene	9.47	1.0	ppmv	9.54		99	55-135			
n-Propylbenzene	9.59	1.0	ppmv	10.2		94	75-130			
Styrene	12.2	2.4	ppmv	11.7		104	75-130			
1,1,1,2-Tetrachloroethane	8.21	0.73	ppmv	7.28		113	70-130			
1,2,2-Tetrachloroethane	7.02	0.73	ppmv	7.28		96	55-130			
trachloroethene	7.73	0.74	ppmv	7.37		105	70-125			
oluene	11.7	1.3	ppmv	13.3		88	70-120			
1,2,3-Trichlorobenzene	6.96	0.67	ppmv	6.74		103	65-125			
1,2,4-Trichlorobenzene	7.39	0.67	ppmv	6.74		110	70-135			
1,1,1-Trichloroethane	10.4	0.92	ppmv	9.16		114	65-135			
1,1,2-Trichloroethane	8.70	0.92	ppmv	9.16		95	70-125			
Trichloroethene	9.57	0.93	ppmv	9.30		103	70-125			
Trichlorofluoromethane	9.74	0.89	ppmv	8.90		109	65-145			
1,2,3-Trichloropropane	7.42	0.83	ppmv	8.29		89	60-130			
1,2,4-Trimethylbenzene	10.4	1.0	ppmv	10.2		102	75-125			
1,3,5-Trimethylbenzene	9.78	1.0	ppmv	10.2		96	75-125			
Vinyl chloride	16.7	2.0	ppmv	19.6		85	55-135			
m,p-Xylenes	21.7	1.2	ppmv	23.0		94	75-125			
Di-isopropyl Ether (DIPE)	9.86	1.2	ppmv	12.0		82	60-135			
Ethyl tert-Butyl Ether (ETBE)	9.77	1.3	ppmv	12.0		82	65-135			
Methyl-tert-butyl Ether (MTBE)	12.6	1.4	ppmv	13.9		91	60-135			
tert-Amyl Methyl Ether (TAME)	9.86	1.2	ppmv	12.0		82	60-135			
tert-Butanol (TBA)	96.1	17	ppmv	82.5		116	70-135			
Surrogate: 4-Bromofluorobenzene	*7.51*		*ppmv*	*6.99*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*6.41*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.8*		*ppmv*	*12.2*		*105*	*80-120*			

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Project ID: 97-101, Shell
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Report Number: ITC2721

Sampled: 03/29/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3634 Extracted: 03/30/10										
Duplicate Analyzed: 03/30/2010 (10C3634-DUP1)					**Source: ITC2731-18**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	0.221	1.2	ppmv		0.470			72	20	*R-9*

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Project Manager

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Sampled: 03/29/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3634 Extracted: 03/30/10										
Duplicate Analyzed: 03/30/2010 (10C3634-DUP1)					**Source: ITC2731-18**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
etrachloroethene	ND	0.74	ppmv		ND				20	
oluene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	0.199	1.0	ppmv		0.342			53	20	*R-9*
1,3,5-Trimethylbenzene	ND	1.0	ppmv		0.171				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	0.345	1.2	ppmv		0.719			70	20	*R-9*
o-Xylene	ND	1.2	ppmv		0.221				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*7.49*		*ppmv*	*6.99*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*6.45*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.9*		*ppmv*	*12.2*		*105*	*80-120*			

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METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10C3856 Extracted: 03/31/10										
Duplicate Analyzed: 03/31/2010 (10C3856-DUP1)					**Source: ITC2721-01**					
Carbon Dioxide	1.15	0.10	% by Volume		1.16			0.9	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.9	20	% by Volume		77.8			0.1	20	
Oxygen	21.0	5.5	% by Volume		21.0			0.4	20	

TestAmerica Irvine

Aaron Harris For Patty Mata
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITC2721	Sampled: 03/29/10 Received: 03/29/10

DATA QUALIFIERS AND DEFINITIONS

R-9	Sample RPD exceeded the laboratory control limit.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

'estAmerica Irvine

Aaron Harris For Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITC2721

Sampled: 03/29/10
Received: 03/29/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Aaron Harris For Patty Mata
Project Manager

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SHELL Chain Of Custody Record

Lab Identification (if necessary):
- ☑ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Nashville, Tennessee
- ☐ STL
- ☐ Other (location)_____

Shell Project Manager to be invoiced: George Landreth
Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

☐ NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY)

SAP/ CAM NUMBER (TS FORM)

DATE: 03/29/2010
PAGE: 1 of 1

SAMPLING COMPANY: C2 REM	LOG CODE	SITE 2300-2400 South Street City: 20245 S. Vermont St., Torrance	State: CA
ADDRESS: 2382 S.E. Bristol, Suite B, Newport Beach, CA 92660		EDF DELIVERABLE TO (Responsible Party or Designee)	PHONE NO.: 1-949-261-8098
PROJECT CONTACT (REPORTS WILL BE SENT TO): Stefan Klemm			
TELEPHONE: (949) 261-8098	FAX: (949) 261-8097	EMAIL: sklemm@c2rem.com	

GLOBAL ID NO.:
EMAIL: sklemm@c2rem.com
CONSULTANT PROJECT NO.: 97-101 (Del Amo SVE/MT)
SAMPLER NAME(S) (PRINT): SM, IY
LAB USE ONLY

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____, HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Inlet and Inlet Dup are high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED ☑

REQUESTED ANALYSIS

Lab Sample ID	Field Sample Identification	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	ASTM D1946	TEMPERATURE ON RECEIPT C°
	Effluent	3/29/10	3:15	Air	1 Tedlar													X	X	
	Carbon 1	3/29/10	3:20	Air	1 Tedlar													X	X	
	Post Ambient Air	3/29/10	3:25	Air	1 Tedlar													X	X	
	Inlet	3/29/10	3:30	Air	1 Tedlar													X	X	
	Inlet Dup	3/29/10	3:30	Air	1 Tedlar													X	X	

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

RT

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3/29/2010	
Relinquished by: (Signature)	Received by: (Signature)	Date: 3/29/10	Time: 1730
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

11/15/05 Revision

ITC 2721

3/29/10
17:55

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 04/22/10
Received: 04/22/10
Issued: 05/06/10 16:58

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITD2130-01	Effluent	Air
ITD2130-02	Carbon 1	Air
ITD2130-03	Post Ambient Air	Air
ITD2130-04	Inlet	Air
ITD2130-05	Inlet Dup	Air

Reviewed By:

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10D2695	1.6	ND	1	4/23/2010	4/24/2010	
Bromobenzene	EPA 8260B MOD	10D2695	0.78	ND	1	4/23/2010	4/24/2010	
Bromochloromethane	EPA 8260B MOD	10D2695	0.94	ND	1	4/23/2010	4/24/2010	
Bromodichloromethane	EPA 8260B MOD	10D2695	0.75	ND	1	4/23/2010	4/24/2010	
Bromoform	EPA 8260B MOD	10D2695	0.48	ND	1	4/23/2010	4/24/2010	
Bromomethane	EPA 8260B MOD	10D2695	1.3	ND	1	4/23/2010	4/24/2010	
n-Butylbenzene	EPA 8260B MOD	10D2695	0.91	ND	1	4/23/2010	4/24/2010	
sec-Butylbenzene	EPA 8260B MOD	10D2695	0.91	ND	1	4/23/2010	4/24/2010	
tert-Butylbenzene	EPA 8260B MOD	10D2695	0.91	ND	1	4/23/2010	4/24/2010	
Carbon tetrachloride	EPA 8260B MOD	10D2695	0.79	ND	1	4/23/2010	4/24/2010	
Chlorobenzene	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
Chloroethane	EPA 8260B MOD	10D2695	1.9	ND	1	4/23/2010	4/24/2010	
Chloroform	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
Chloromethane	EPA 8260B MOD	10D2695	2.4	ND	1	4/23/2010	4/24/2010	
2-Chlorotoluene	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
4-Chlorotoluene	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
Dibromochloromethane	EPA 8260B MOD	10D2695	0.59	ND	1	4/23/2010	4/24/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10D2695	0.65	ND	1	4/23/2010	4/24/2010	
Dibromomethane	EPA 8260B MOD	10D2695	0.70	ND	1	4/23/2010	4/24/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10D2695	0.83	ND	1	4/23/2010	4/24/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10D2695	0.83	ND	1	4/23/2010	4/24/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10D2695	0.83	ND	1	4/23/2010	4/24/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
1,1-Dichloroethane	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
1,2-Dichloroethane	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
1,1-Dichloroethene	EPA 8260B MOD	10D2695	1.3	ND	1	4/23/2010	4/24/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10D2695	1.3	ND	1	4/23/2010	4/24/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10D2695	1.3	ND	1	4/23/2010	4/24/2010	
1,2-Dichloropropane	EPA 8260B MOD	10D2695	1.1	ND	1	4/23/2010	4/24/2010	
1,3-Dichloropropane	EPA 8260B MOD	10D2695	1.1	ND	1	4/23/2010	4/24/2010	
2,2-Dichloropropane	EPA 8260B MOD	10D2695	1.1	ND	1	4/23/2010	4/24/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10D2695	1.1	ND	1	4/23/2010	4/24/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10D2695	1.1	ND	1	4/23/2010	4/24/2010	
1,1-Dichloropropene	EPA 8260B MOD	10D2695	1.1	ND	1	4/23/2010	4/24/2010	
Ethylbenzene	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
Hexachlorobutadiene	EPA 8260B MOD	10D2695	0.47	ND	1	4/23/2010	4/24/2010	
Isopropylbenzene	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
p-Isopropyltoluene	EPA 8260B MOD	10D2695	0.91	ND	1	4/23/2010	4/24/2010	
Methylene chloride	EPA 8260B MOD	10D2695	1.4	ND	1	4/23/2010	4/24/2010	
Naphthalene	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
Styrene	EPA 8260B MOD	10D2695	2.4	ND	1	4/23/2010	4/24/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10D2695	0.73	ND	1	4/23/2010	4/24/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10D2695	0.73	ND	1	4/23/2010	4/24/2010	
Tetrachloroethene	EPA 8260B MOD	10D2695	0.74	ND	1	4/23/2010	4/24/2010	
Toluene	EPA 8260B MOD	10D2695	1.3	ND	1	4/23/2010	4/24/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10D2695	0.67	ND	1	4/23/2010	4/24/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10D2695	0.67	ND	1	4/23/2010	4/24/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10D2695	0.92	ND	1	4/23/2010	4/24/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10D2695	0.92	ND	1	4/23/2010	4/24/2010	
Trichloroethene	EPA 8260B MOD	10D2695	0.93	ND	1	4/23/2010	4/24/2010	
Trichlorofluoromethane	EPA 8260B MOD	10D2695	0.89	ND	1	4/23/2010	4/24/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10D2695	0.83	ND	1	4/23/2010	4/24/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10D2695	1.0	ND	1	4/23/2010	4/24/2010	
Vinyl chloride	EPA 8260B MOD	10D2695	2.0	ND	1	4/23/2010	4/24/2010	
m,p-Xylenes	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
o-Xylene	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10D2695	1.3	ND	1	4/23/2010	4/24/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10D2695	1.4	ND	1	4/23/2010	4/24/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10D2695	1.2	ND	1	4/23/2010	4/24/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10D2695	17	ND	1	4/23/2010	4/24/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10D2703	80	**1700**	50	4/23/2010	4/23/2010	
Bromobenzene	EPA 8260B MOD	10D2703	39	ND	50	4/23/2010	4/23/2010	
Bromochloromethane	EPA 8260B MOD	10D2703	47	ND	50	4/23/2010	4/23/2010	
Bromodichloromethane	EPA 8260B MOD	10D2703	38	ND	50	4/23/2010	4/23/2010	
Bromoform	EPA 8260B MOD	10D2703	24	ND	50	4/23/2010	4/23/2010	
Bromomethane	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
n-Butylbenzene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
sec-Butylbenzene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
tert-Butylbenzene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Carbon tetrachloride	EPA 8260B MOD	10D2703	40	ND	50	4/23/2010	4/23/2010	
Chlorobenzene	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
Chloroethane	EPA 8260B MOD	10D2703	95	ND	50	4/23/2010	4/23/2010	
Chloroform	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
Chloromethane	EPA 8260B MOD	10D2703	120	ND	50	4/23/2010	4/23/2010	
2-Chlorotoluene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
4-Chlorotoluene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
Dibromochloromethane	EPA 8260B MOD	10D2703	30	ND	50	4/23/2010	4/23/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10D2703	32	ND	50	4/23/2010	4/23/2010	
Dibromomethane	EPA 8260B MOD	10D2703	35	ND	50	4/23/2010	4/23/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
1,1-Dichloroethane	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
1,2-Dichloroethane	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
1,1-Dichloroethene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
1,2-Dichloropropane	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
1,3-Dichloropropane	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
2,2-Dichloropropane	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
1,1-Dichloropropene	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
Ethylbenzene	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
Hexachlorobutadiene	EPA 8260B MOD	10D2703	24	ND	50	4/23/2010	4/23/2010	
Isopropylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
p-Isopropyltoluene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Methylene chloride	EPA 8260B MOD	10D2703	70	ND	50	4/23/2010	4/23/2010	
Naphthalene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
Styrene	EPA 8260B MOD	10D2703	120	ND	50	4/23/2010	4/23/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10D2703	36	ND	50	4/23/2010	4/23/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10D2703	36	ND	50	4/23/2010	4/23/2010	
Tetrachloroethene	EPA 8260B MOD	10D2703	37	ND	50	4/23/2010	4/23/2010	
Toluene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10D2703	34	ND	50	4/23/2010	4/23/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10D2703	34	ND	50	4/23/2010	4/23/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Trichloroethene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Trichlorofluoromethane	EPA 8260B MOD	10D2703	44	ND	50	4/23/2010	4/23/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
ıyl chloride	EPA 8260B MOD	10D2703	100	ND	50	4/23/2010	4/23/2010	
..,p-Xylenes	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
o-Xylene	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10D2703	70	ND	50	4/23/2010	4/23/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10D2703	850	ND	50	4/23/2010	4/23/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project Manager

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2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10D2703	80	**2300**	50	4/23/2010	4/23/2010	
Bromobenzene	EPA 8260B MOD	10D2703	39	ND	50	4/23/2010	4/23/2010	
Bromochloromethane	EPA 8260B MOD	10D2703	47	ND	50	4/23/2010	4/23/2010	
Bromodichloromethane	EPA 8260B MOD	10D2703	38	ND	50	4/23/2010	4/23/2010	
Bromoform	EPA 8260B MOD	10D2703	24	ND	50	4/23/2010	4/23/2010	
Bromomethane	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
n-Butylbenzene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
sec-Butylbenzene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
tert-Butylbenzene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Carbon tetrachloride	EPA 8260B MOD	10D2703	40	ND	50	4/23/2010	4/23/2010	
Chlorobenzene	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
Chloroethane	EPA 8260B MOD	10D2703	95	ND	50	4/23/2010	4/23/2010	
Chloroform	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
Chloromethane	EPA 8260B MOD	10D2703	120	ND	50	4/23/2010	4/23/2010	
2-Chlorotoluene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
4-Chlorotoluene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
Dibromochloromethane	EPA 8260B MOD	10D2703	30	ND	50	4/23/2010	4/23/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10D2703	32	ND	50	4/23/2010	4/23/2010	
Dibromomethane	EPA 8260B MOD	10D2703	35	ND	50	4/23/2010	4/23/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
1,1-Dichloroethane	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
1,2-Dichloroethane	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
1,1-Dichloroethene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
1,2-Dichloropropane	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
1,3-Dichloropropane	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
2,2-Dichloropropane	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
1,1-Dichloropropene	EPA 8260B MOD	10D2703	55	ND	50	4/23/2010	4/23/2010	
Ethylbenzene	EPA 8260B MOD	10D2703	60	**120**	50	4/23/2010	4/23/2010	
Hexachlorobutadiene	EPA 8260B MOD	10D2703	24	ND	50	4/23/2010	4/23/2010	
Isopropylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
p-Isopropyltoluene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Methylene chloride	EPA 8260B MOD	10D2703	70	ND	50	4/23/2010	4/23/2010	
Naphthalene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
Styrene	EPA 8260B MOD	10D2703	120	ND	50	4/23/2010	4/23/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10D2703	36	ND	50	4/23/2010	4/23/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10D2703	36	ND	50	4/23/2010	4/23/2010	
Tetrachloroethene	EPA 8260B MOD	10D2703	37	ND	50	4/23/2010	4/23/2010	
Toluene	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10D2703	34	ND	50	4/23/2010	4/23/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10D2703	34	ND	50	4/23/2010	4/23/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Trichloroethene	EPA 8260B MOD	10D2703	46	ND	50	4/23/2010	4/23/2010	
Trichlorofluoromethane	EPA 8260B MOD	10D2703	44	ND	50	4/23/2010	4/23/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10D2703	42	ND	50	4/23/2010	4/23/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10D2703	50	ND	50	4/23/2010	4/23/2010	
ıyl chloride	EPA 8260B MOD	10D2703	100	ND	50	4/23/2010	4/23/2010	
ı,p-Xylenes	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
o-Xylene	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10D2703	65	ND	50	4/23/2010	4/23/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10D2703	70	ND	50	4/23/2010	4/23/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10D2703	60	ND	50	4/23/2010	4/23/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10D2703	850	ND	50	4/23/2010	4/23/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10D2703	320	**27000**	200	4/23/2010	4/23/2010	
Bromobenzene	EPA 8260B MOD	10D2703	160	ND	200	4/23/2010	4/23/2010	
Bromochloromethane	EPA 8260B MOD	10D2703	190	ND	200	4/23/2010	4/23/2010	
Bromodichloromethane	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
Bromoform	EPA 8260B MOD	10D2703	96	ND	200	4/23/2010	4/23/2010	
Bromomethane	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
n-Butylbenzene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
sec-Butylbenzene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
tert-Butylbenzene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
Carbon tetrachloride	EPA 8260B MOD	10D2703	160	ND	200	4/23/2010	4/23/2010	
Chlorobenzene	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
Chloroethane	EPA 8260B MOD	10D2703	380	ND	200	4/23/2010	4/23/2010	
Chloroform	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
Chloromethane	EPA 8260B MOD	10D2703	480	ND	200	4/23/2010	4/23/2010	
2-Chlorotoluene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
4-Chlorotoluene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
Dibromochloromethane	EPA 8260B MOD	10D2703	120	ND	200	4/23/2010	4/23/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10D2703	130	ND	200	4/23/2010	4/23/2010	
Dibromomethane	EPA 8260B MOD	10D2703	140	ND	200	4/23/2010	4/23/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
1,1-Dichloroethane	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
1,2-Dichloroethane	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
1,1-Dichloroethene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
1,2-Dichloropropane	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
1,3-Dichloropropane	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
2,2-Dichloropropane	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
1,1-Dichloropropene	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
Ethylbenzene	EPA 8260B MOD	10D2703	240	**770**	200	4/23/2010	4/23/2010	
Hexachlorobutadiene	EPA 8260B MOD	10D2703	94	ND	200	4/23/2010	4/23/2010	
Isopropylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
p-Isopropyltoluene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
Methylene chloride	EPA 8260B MOD	10D2703	280	ND	200	4/23/2010	4/23/2010	
Naphthalene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
Styrene	EPA 8260B MOD	10D2703	480	ND	200	4/23/2010	4/23/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
Tetrachloroethene	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
Toluene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10D2703	130	ND	200	4/23/2010	4/23/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10D2703	130	ND	200	4/23/2010	4/23/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
Trichloroethene	EPA 8260B MOD	10D2703	190	ND	200	4/23/2010	4/23/2010	
Trichlorofluoromethane	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
ıyl chloride	EPA 8260B MOD	10D2703	400	ND	200	4/23/2010	4/23/2010	
ı,p-Xylenes	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
o-Xylene	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10D2703	280	ND	200	4/23/2010	4/23/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10D2703	3400	ND	200	4/23/2010	4/23/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-05 (Inlet Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10D2703	320	**16000**	200	4/23/2010	4/23/2010	
Bromobenzene	EPA 8260B MOD	10D2703	160	ND	200	4/23/2010	4/23/2010	
Bromochloromethane	EPA 8260B MOD	10D2703	190	ND	200	4/23/2010	4/23/2010	
Bromodichloromethane	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
Bromoform	EPA 8260B MOD	10D2703	96	ND	200	4/23/2010	4/23/2010	
Bromomethane	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
n-Butylbenzene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
sec-Butylbenzene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
tert-Butylbenzene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
Carbon tetrachloride	EPA 8260B MOD	10D2703	160	ND	200	4/23/2010	4/23/2010	
Chlorobenzene	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
Chloroethane	EPA 8260B MOD	10D2703	380	ND	200	4/23/2010	4/23/2010	
Chloroform	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
Chloromethane	EPA 8260B MOD	10D2703	480	ND	200	4/23/2010	4/23/2010	
2-Chlorotoluene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
4-Chlorotoluene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
Dibromochloromethane	EPA 8260B MOD	10D2703	120	ND	200	4/23/2010	4/23/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10D2703	130	ND	200	4/23/2010	4/23/2010	
Dibromomethane	EPA 8260B MOD	10D2703	140	ND	200	4/23/2010	4/23/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
1,1-Dichloroethane	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
1,2-Dichloroethane	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
1,1-Dichloroethene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
1,2-Dichloropropane	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
1,3-Dichloropropane	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
2,2-Dichloropropane	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10D2703	220	ND	200	4/23/2010	4/23/2010	
1,1-Dichloropropene	EPA 8260B MOD	10D2703	220	**530**	200	4/23/2010	4/23/2010	
Ethylbenzene	EPA 8260B MOD	10D2703	240	**480**	200	4/23/2010	4/23/2010	
Hexachlorobutadiene	EPA 8260B MOD	10D2703	94	ND	200	4/23/2010	4/23/2010	
Isopropylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
p-Isopropyltoluene	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
Methylene chloride	EPA 8260B MOD	10D2703	280	ND	200	4/23/2010	4/23/2010	
Naphthalene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-05 (Inlet Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
Styrene	EPA 8260B MOD	10D2703	480	ND	200	4/23/2010	4/23/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
Tetrachloroethene	EPA 8260B MOD	10D2703	150	ND	200	4/23/2010	4/23/2010	
Toluene	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10D2703	130	ND	200	4/23/2010	4/23/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10D2703	130	ND	200	4/23/2010	4/23/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
Trichloroethene	EPA 8260B MOD	10D2703	190	ND	200	4/23/2010	4/23/2010	
Trichlorofluoromethane	EPA 8260B MOD	10D2703	180	ND	200	4/23/2010	4/23/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10D2703	170	ND	200	4/23/2010	4/23/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10D2703	200	ND	200	4/23/2010	4/23/2010	
ıyl chloride	EPA 8260B MOD	10D2703	400	ND	200	4/23/2010	4/23/2010	
ın,p-Xylenes	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
o-Xylene	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10D2703	260	ND	200	4/23/2010	4/23/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10D2703	280	ND	200	4/23/2010	4/23/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10D2703	240	ND	200	4/23/2010	4/23/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10D2703	3400	ND	200	4/23/2010	4/23/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITD2130-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10D2775	0.10	**2.4**	1	4/23/2010	4/23/2010	
Carbon Monoxide	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Methane	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Nitrogen	ASTM D1946-90	10D2775	20	**78**	1	4/23/2010	4/23/2010	
Oxygen	ASTM D1946-90	10D2775	5.5	**20**	1	4/23/2010	4/23/2010	
Sample ID: ITD2130-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10D2775	0.10	**2.4**	1	4/23/2010	4/23/2010	
Carbon Monoxide	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Methane	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Nitrogen	ASTM D1946-90	10D2775	20	**77**	1	4/23/2010	4/23/2010	
Oxygen	ASTM D1946-90	10D2775	5.5	**20**	1	4/23/2010	4/23/2010	
Sample ID: ITD2130-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10D2775	0.10	**2.6**	1	4/23/2010	4/23/2010	
Carbon Monoxide	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Methane	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Nitrogen	ASTM D1946-90	10D2775	20	**77**	1	4/23/2010	4/23/2010	
Oxygen	ASTM D1946-90	10D2775	5.5	**20**	1	4/23/2010	4/23/2010	
Sample ID: ITD2130-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10D2775	0.10	**18**	1	4/23/2010	4/23/2010	
Carbon Monoxide	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Methane	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Nitrogen	ASTM D1946-90	10D2775	20	**73**	1	4/23/2010	4/23/2010	
Oxygen	ASTM D1946-90	10D2775	5.5	**9.2**	1	4/23/2010	4/23/2010	
Sample ID: ITD2130-05 (Inlet Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10D2775	0.10	**18**	1	4/23/2010	4/23/2010	
Carbon Monoxide	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Methane	ASTM D1946-90	10D2775	0.10	ND	1	4/23/2010	4/23/2010	
Nitrogen	ASTM D1946-90	10D2775	20	**73**	1	4/23/2010	4/23/2010	
Oxygen	ASTM D1946-90	10D2775	5.5	**9.1**	1	4/23/2010	4/23/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITD2130-01) - Air					
ASTM D1946-90	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 15:56	04/23/2010 15:56
EPA 8260B MOD	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 20:57	04/24/2010 00:35
Sample ID: Carbon 1 (ITD2130-02) - Air					
ASTM D1946-90	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 16:31	04/23/2010 16:31
EPA 8260B MOD	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 11:15	04/23/2010 16:08
Sample ID: Post Ambient Air (ITD2130-03) - Air					
ASTM D1946-90	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 16:49	04/23/2010 16:49
EPA 8260B MOD	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 11:17	04/23/2010 16:36
Sample ID: Inlet (ITD2130-04) - Air					
ASTM D1946-90	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 17:07	04/23/2010 17:07
EPA 8260B MOD	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 11:21	04/23/2010 17:03
Sample ID: Inlet Dup (ITD2130-05) - Air					
ASTM D1946-90	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 17:25	04/23/2010 17:25
EPA 8260B MOD	3	04/22/2010 12:00	04/22/2010 16:55	04/23/2010 11:24	04/23/2010 17:31

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2695 Extracted: 04/23/10										
Blank Analyzed: 04/23/2010 (10D2695-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2695 Extracted: 04/23/10										
Blank Analyzed: 04/23/2010 (10D2695-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	2.20	1.4	ppmv							*B*
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
luene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.75*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.03*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2695 Extracted: 04/23/10										
LCS Analyzed: 04/23/2010 (10D2695-BS1)										
Benzene	15.8	1.6	ppmv	15.7		101	70-120			
Bromobenzene	7.92	0.78	ppmv	7.79		102	75-120			
Bromochloromethane	9.47	0.94	ppmv	9.45		100	70-130			
Bromodichloromethane	7.27	0.75	ppmv	7.46		97	70-135			
Bromoform	4.91	0.48	ppmv	4.84		101	55-130			
Bromomethane	12.8	1.3	ppmv	12.9		99	65-140			
n-Butylbenzene	9.56	0.91	ppmv	9.11		105	70-130			
sec-Butylbenzene	9.75	0.91	ppmv	9.11		107	70-125			
tert-Butylbenzene	9.59	0.91	ppmv	9.11		105	70-125			
Carbon tetrachloride	7.58	0.79	ppmv	7.95		95	65-140			
Chlorobenzene	10.8	1.2	ppmv	10.9		100	75-120			
Chloroethane	20.2	1.9	ppmv	18.9		106	60-140			
Chloroform	9.64	1.0	ppmv	10.2		94	70-130			
Chloromethane	22.7	2.4	ppmv	24.2		94	50-140			
2-Chlorotoluene	9.94	1.0	ppmv	9.66		103	70-125			
4-Chlorotoluene	10.0	1.0	ppmv	9.66		104	75-125			
1,2-Dibromo-3-chloropropane	5.75	1.0	ppmv	5.17		111	50-135			
Dibromochloromethane	5.98	0.59	ppmv	5.87		102	70-140			
1,2-Dibromoethane (EDB)	6.68	0.65	ppmv	6.51		103	75-125			
Dibromomethane	7.15	0.70	ppmv	7.03		102	70-125			
1,2-Dichlorobenzene	8.40	0.83	ppmv	8.32		101	75-120			
1,3-Dichlorobenzene	8.35	0.83	ppmv	8.32		100	75-120			
1,4-Dichlorobenzene	8.10	0.83	ppmv	8.32		97	75-120			
Dichlorodifluoromethane	9.29	1.0	ppmv	10.1		92	35-155			
1,1-Dichloroethane	12.4	1.2	ppmv	12.4		101	70-125			
1,2-Dichloroethane	11.7	1.2	ppmv	12.4		95	60-140			
1,1-Dichloroethene	14.4	1.3	ppmv	12.6		114	70-125			
cis-1,2-Dichloroethene	13.5	1.3	ppmv	12.6		107	70-125			
trans-1,2-Dichloroethene	13.3	1.3	ppmv	12.6		105	70-125			
1,2-Dichloropropane	10.2	1.1	ppmv	10.8		94	70-125			
1,3-Dichloropropane	11.2	1.1	ppmv	10.8		104	70-120			
2,2-Dichloropropane	10.4	1.1	ppmv	10.8		96	65-140			
cis-1,3-Dichloropropene	12.7	1.1	ppmv	11.0		115	75-125			
trans-1,3-Dichloropropene	10.2	1.1	ppmv	11.0		92	70-125			
1,1-Dichloropropene	11.3	1.1	ppmv	11.0		103	75-130			
Ethylbenzene	11.7	1.2	ppmv	11.5		102	75-125			

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THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2695 Extracted: 04/23/10										
LCS Analyzed: 04/23/2010 (10D2695-BS1)										
Hexachlorobutadiene	4.54	0.47	ppmv	4.69		97	65-135			
Isopropylbenzene	10.7	1.0	ppmv	10.2		106	75-130			
p-Isopropyltoluene	9.64	0.91	ppmv	9.11		106	75-125			
Methylene chloride	16.9	1.4	ppmv	14.4		117	55-130			
Naphthalene	11.1	1.0	ppmv	9.54		116	55-135			
n-Propylbenzene	11.1	1.0	ppmv	10.2		109	75-130			
Styrene	12.7	2.4	ppmv	11.7		108	75-130			
1,1,1,2-Tetrachloroethane	7.01	0.73	ppmv	7.28		96	70-130			
1,1,2,2-Tetrachloroethane	8.74	0.73	ppmv	7.28		120	55-130			
Tetrachloroethene	7.50	0.74	ppmv	7.37		102	70-125			
luene	13.5	1.3	ppmv	13.3		102	70-120			
1,2,3-Trichlorobenzene	6.95	0.67	ppmv	6.74		103	65-125			
1,2,4-Trichlorobenzene	6.96	0.67	ppmv	6.74		103	70-135			
1,1,1-Trichloroethane	8.56	0.92	ppmv	9.16		93	65-135			
1,1,2-Trichloroethane	10.1	0.92	ppmv	9.16		110	70-125			
Trichloroethene	9.39	0.93	ppmv	9.30		101	70-125			
Trichlorofluoromethane	9.32	0.89	ppmv	8.90		105	65-145			
1,2,3-Trichloropropane	9.17	0.83	ppmv	8.29		111	60-130			
1,2,4-Trimethylbenzene	10.6	1.0	ppmv	10.2		105	75-125			
1,3,5-Trimethylbenzene	10.6	1.0	ppmv	10.2		104	75-125			
Vinyl chloride	18.9	2.0	ppmv	19.6		97	55-135			
m,p-Xylenes	23.8	1.2	ppmv	23.0		103	75-125			
Di-isopropyl Ether (DIPE)	12.3	1.2	ppmv	12.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	13.2	1.3	ppmv	12.0		110	65-135			
Methyl-tert-butyl Ether (MTBE)	15.0	1.4	ppmv	13.9		108	60-135			
tert-Amyl Methyl Ether (TAME)	14.4	1.2	ppmv	12.0		120	60-135			
tert-Butanol (TBA)	79.2	17	ppmv	82.5		96	70-135			
Surrogate: 4-Bromofluorobenzene	*6.79*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*5.92*		*ppmv*	*6.37*		*93*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2695 Extracted: 04/23/10										
Duplicate Analyzed: 04/24/2010 (10D2695-DUP1)					**Source: ITD2130-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2695 Extracted: 04/23/10										
Duplicate Analyzed: 04/24/2010 (10D2695-DUP1)					**Source: ITD2130-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
luene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.66*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.12*		*ppmv*	*6.37*		*96*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*ppmv*	*12.2*		*101*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2703 Extracted: 04/23/10										
Blank Analyzed: 04/23/2010 (10D2703-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2703 Extracted: 04/23/10										
Blank Analyzed: 04/23/2010 (10D2703-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
uene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.46*		*ppmv*	*6.99*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*5.72*		*ppmv*	*6.37*		*90*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*ppmv*	*12.2*		*101*	*80-120*			

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Project Manager

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2703 Extracted: 04/23/10										
LCS Analyzed: 04/23/2010 (10D2703-BS1)										
Benzene	14.2	1.6	ppmv	15.7		91	70-120			
Bromobenzene	7.11	0.78	ppmv	7.79		91	75-120			
Bromochloromethane	8.10	0.94	ppmv	9.45		86	70-130			
Bromodichloromethane	6.70	0.75	ppmv	7.46		90	70-135			
Bromoform	4.52	0.48	ppmv	4.84		94	55-130			
Bromomethane	11.2	1.3	ppmv	12.9		87	65-140			
n-Butylbenzene	9.18	0.91	ppmv	9.11		101	70-130			
sec-Butylbenzene	9.24	0.91	ppmv	9.11		101	70-125			
tert-Butylbenzene	9.06	0.91	ppmv	9.11		100	70-125			
Carbon tetrachloride	7.50	0.79	ppmv	7.95		94	65-140			
Chlorobenzene	9.96	1.2	ppmv	10.9		92	75-120			
Chloroethane	17.2	1.9	ppmv	18.9		91	60-140			
Chloroform	8.49	1.0	ppmv	10.2		83	70-130			
Chloromethane	19.7	2.4	ppmv	24.2		81	50-140			
2-Chlorotoluene	9.24	1.0	ppmv	9.66		96	70-125			
4-Chlorotoluene	9.47	1.0	ppmv	9.66		98	75-125			
1,2-Dibromo-3-chloropropane	5.53	1.0	ppmv	5.17		107	50-135			
Dibromochloromethane	5.55	0.59	ppmv	5.87		95	70-140			
1,2-Dibromoethane (EDB)	5.92	0.65	ppmv	6.51		91	75-125			
Dibromomethane	6.40	0.70	ppmv	7.03		91	70-125			
1,2-Dichlorobenzene	7.60	0.83	ppmv	8.32		91	75-120			
1,3-Dichlorobenzene	7.66	0.83	ppmv	8.32		92	75-120			
1,4-Dichlorobenzene	7.48	0.83	ppmv	8.32		90	75-120			
Dichlorodifluoromethane	8.42	1.0	ppmv	10.1		83	35-155			
1,1-Dichloroethane	10.7	1.2	ppmv	12.4		87	70-125			
1,2-Dichloroethane	11.0	1.2	ppmv	12.4		89	60-140			
1,1-Dichloroethene	12.3	1.3	ppmv	12.6		97	70-125			
cis-1,2-Dichloroethene	11.7	1.3	ppmv	12.6		93	70-125			
trans-1,2-Dichloroethene	11.6	1.3	ppmv	12.6		92	70-125			
1,2-Dichloropropane	9.10	1.1	ppmv	10.8		84	70-125			
1,3-Dichloropropane	9.98	1.1	ppmv	10.8		92	70-120			
2,2-Dichloropropane	9.79	1.1	ppmv	10.8		90	65-140			
cis-1,3-Dichloropropene	11.4	1.1	ppmv	11.0		103	75-125			
trans-1,3-Dichloropropene	9.29	1.1	ppmv	11.0		84	70-125			
1,1-Dichloropropene	10.7	1.1	ppmv	11.0		97	75-130			
Ethylbenzene	10.9	1.2	ppmv	11.5		95	75-125			

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Project ID: 97-101, Shell
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Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2703 Extracted: 04/23/10										
LCS Analyzed: 04/23/2010 (10D2703-BS1)										
Hexachlorobutadiene	4.41	0.47	ppmv	4.69		94	65-135			
Isopropylbenzene	10.1	1.0	ppmv	10.2		99	75-130			
p-Isopropyltoluene	9.14	0.91	ppmv	9.11		100	75-125			
Methylene chloride	11.6	1.4	ppmv	14.4		81	55-130			
Naphthalene	10.3	1.0	ppmv	9.54		107	55-135			
n-Propylbenzene	10.4	1.0	ppmv	10.2		103	75-130			
Styrene	11.3	2.4	ppmv	11.7		97	75-130			
,1,2-Tetrachloroethane	6.49	0.73	ppmv	7.28		89	70-130			
1,1,2,2-Tetrachloroethane	7.80	0.73	ppmv	7.28		107	55-130			
Tetrachloroethene	7.11	0.74	ppmv	7.37		96	70-125			
uene	12.2	1.3	ppmv	13.3		92	70-120			
1,2,3-Trichlorobenzene	6.44	0.67	ppmv	6.74		96	65-125			
1,2,4-Trichlorobenzene	6.48	0.67	ppmv	6.74		96	70-135			
1,1,1-Trichloroethane	8.01	0.92	ppmv	9.16		87	65-135			
1,1,2-Trichloroethane	8.75	0.92	ppmv	9.16		95	70-125			
Trichloroethene	8.80	0.93	ppmv	9.30		95	70-125			
Trichlorofluoromethane	8.50	0.89	ppmv	8.90		95	65-145			
1,2,3-Trichloropropane	8.37	0.83	ppmv	8.29		101	60-130			
1,2,4-Trimethylbenzene	10.0	1.0	ppmv	10.2		99	75-125			
1,3,5-Trimethylbenzene	10.1	1.0	ppmv	10.2		99	75-125			
Vinyl chloride	17.3	2.0	ppmv	19.6		88	55-135			
m,p-Xylenes	22.6	1.2	ppmv	23.0		98	75-125			
Di-isopropyl Ether (DIPE)	10.1	1.2	ppmv	12.0		85	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.2	1.3	ppmv	12.0		93	65-135			
Methyl-tert-butyl Ether (MTBE)	13.0	1.4	ppmv	13.9		94	60-135			
tert-Amyl Methyl Ether (TAME)	12.4	1.2	ppmv	12.0		104	60-135			
tert-Butanol (TBA)	72.7	17	ppmv	82.5		88	70-135			
Surrogate: 4-Bromofluorobenzene	*6.47*		*ppmv*	*6.99*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*5.46*		*ppmv*	*6.37*		*86*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*103*	*80-120*			

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Patty Mata
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2703 Extracted: 04/23/10										
Duplicate Analyzed: 04/23/2010 (10D2703-DUP1)					**Source: ITD2152-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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C2 Rem	Project ID: 97-101, Shell	
2382 Southeast Bristol St., Ste. B	97-101, 20245 S Vermont, Torrance, CA	Sampled: 04/22/10
Newport Beach, CA 92660	Report Number: ITD2130	Received: 04/22/10
Attention: Stephan Klemm		

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2703 Extracted: 04/23/10										
Duplicate Analyzed: 04/23/2010 (10D2703-DUP1)					**Source: ITD2152-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	0.806	1.4	ppmv		0.818			1	20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
uene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.87*		*ppmv*	*6.99*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*6.20*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10D2775 Extracted: 04/23/10										
Duplicate Analyzed: 04/23/2010 (10D2775-DUP1)					**Source: ITD2130-01**					
Carbon Dioxide	2.36	0.10	% by Volume		2.36			0	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.3	20	% by Volume		77.5			0.3	20	
Oxygen	20.3	5.5	% by Volume		20.1			1	20	

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Project Manager

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITD2130	Sampled: 04/22/10 Received: 04/22/10

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.
The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITD2130

Sampled: 04/22/10
Received: 04/22/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test ica Other_____

Lab Identification (if necessary):

- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

SHL L C in Of Custody Record

Shell Project Manager to be invoiced: George Landreth

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON
- [ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 4/22/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS: 2382 S.E. Bristol, Suite B, Newport Beach, CA 92660

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.: 1-949-261-8098

E-MAIL: sklemm@c2rem.com

CONSULTANT PROJECT NO.: 97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

TELEPHONE: (949) 261-8098 FAX: (949) 261-8097 E-MAIL: sklemm@c2rem.com

SAMPLER NAME(S) (Print): SA/SM/IY

LAB USE ONLY: 1TD2130

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):
- [x] STD
- [ ] 5 DAY
- [ ] 3 DAY
- [ ] 2 DAY
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet and inlet Dup are high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946						TEMPERATURE ON RECEIPT C°
	Effluent	4/22/10	12:00	Air	1 Tedlar														X	X						
	Carbon 1	↓	↓	Air	1 Tedlar														X	X						
	Post Ambient Air			Air	1 Tedlar														X	X						
	Inlet			Air	1 Tedlar														X	X						17:20 4/22/10 MP.
	Inlet Dup			Air	1 Tedlar														X	X						

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	4/22/2010	16:55
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Q&Q Graphic (714) 898-9702

11/18/05 Revision

203

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THE LEADER IN ENVIRONMENTAL TESTING
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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 05/20/10
Received: 05/20/10
Issued: 06/04/10 08:36

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITE1977-01	Effluent	Air
ITE1977-02	Carbon 1	Air
ITE1977-03	Post Ambient Air	Air
ITE1977-04	Inlet	Air
ITE1977-05	Inlet Dup	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10E2767	1.6	ND	1	5/21/2010	5/21/2010	
Bromobenzene	EPA 8260B MOD	10E2767	0.78	ND	1	5/21/2010	5/21/2010	
Bromochloromethane	EPA 8260B MOD	10E2767	0.94	ND	1	5/21/2010	5/21/2010	
Bromodichloromethane	EPA 8260B MOD	10E2767	0.75	ND	1	5/21/2010	5/21/2010	
Bromoform	EPA 8260B MOD	10E2767	0.48	ND	1	5/21/2010	5/21/2010	
Bromomethane	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
n-Butylbenzene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
sec-Butylbenzene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
tert-Butylbenzene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
Carbon tetrachloride	EPA 8260B MOD	10E2767	0.79	ND	1	5/21/2010	5/21/2010	
Chlorobenzene	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Chloroethane	EPA 8260B MOD	10E2767	1.9	ND	1	5/21/2010	5/21/2010	
Chloroform	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
Chloromethane	EPA 8260B MOD	10E2767	2.4	ND	1	5/21/2010	5/21/2010	
2-Chlorotoluene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
4-Chlorotoluene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
Dibromochloromethane	EPA 8260B MOD	10E2767	0.59	ND	1	5/21/2010	5/21/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10E2767	0.65	ND	1	5/21/2010	5/21/2010	
Dibromomethane	EPA 8260B MOD	10E2767	0.70	ND	1	5/21/2010	5/21/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
1,1-Dichloroethane	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
1,2-Dichloroethane	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
1,1-Dichloroethene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
1,2-Dichloropropane	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
1,3-Dichloropropane	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
2,2-Dichloropropane	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
1,1-Dichloropropene	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
Ethylbenzene	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Hexachlorobutadiene	EPA 8260B MOD	10E2767	0.47	ND	1	5/21/2010	5/21/2010	
Isopropylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
p-Isopropyltoluene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
Methylene chloride	EPA 8260B MOD	10E2767	1.4	ND	1	5/21/2010	5/21/2010	
Naphthalene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
Styrene	EPA 8260B MOD	10E2767	2.4	ND	1	5/21/2010	5/21/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10E2767	0.73	ND	1	5/21/2010	5/21/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10E2767	0.73	ND	1	5/21/2010	5/21/2010	
Tetrachloroethene	EPA 8260B MOD	10E2767	0.74	ND	1	5/21/2010	5/21/2010	
Toluene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10E2767	0.67	ND	1	5/21/2010	5/21/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10E2767	0.67	ND	1	5/21/2010	5/21/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10E2767	0.92	ND	1	5/21/2010	5/21/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10E2767	0.92	ND	1	5/21/2010	5/21/2010	
Trichloroethene	EPA 8260B MOD	10E2767	0.93	ND	1	5/21/2010	5/21/2010	
Trichlorofluoromethane	EPA 8260B MOD	10E2767	0.89	ND	1	5/21/2010	5/21/2010	
',3-Trichloropropane	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
ı,2,4-Trimethylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
ıyl chloride	EPA 8260B MOD	10E2767	2.0	ND	1	5/21/2010	5/21/2010	
ıı,p-Xylenes	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
o-Xylene	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10E2767	1.4	ND	1	5/21/2010	5/21/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10E2767	17	ND	1	5/21/2010	5/21/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				

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Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10E2767	1.6	ND	1	5/21/2010	5/21/2010	
Bromobenzene	EPA 8260B MOD	10E2767	0.78	ND	1	5/21/2010	5/21/2010	
Bromochloromethane	EPA 8260B MOD	10E2767	0.94	ND	1	5/21/2010	5/21/2010	
Bromodichloromethane	EPA 8260B MOD	10E2767	0.75	ND	1	5/21/2010	5/21/2010	
Bromoform	EPA 8260B MOD	10E2767	0.48	ND	1	5/21/2010	5/21/2010	
Bromomethane	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
n-Butylbenzene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
sec-Butylbenzene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
tert-Butylbenzene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
Carbon tetrachloride	EPA 8260B MOD	10E2767	0.79	ND	1	5/21/2010	5/21/2010	
Chlorobenzene	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Chloroethane	EPA 8260B MOD	10E2767	1.9	ND	1	5/21/2010	5/21/2010	
Chloroform	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
Chloromethane	EPA 8260B MOD	10E2767	2.4	ND	1	5/21/2010	5/21/2010	
2-Chlorotoluene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
4-Chlorotoluene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
Dibromochloromethane	EPA 8260B MOD	10E2767	0.59	ND	1	5/21/2010	5/21/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10E2767	0.65	ND	1	5/21/2010	5/21/2010	
Dibromomethane	EPA 8260B MOD	10E2767	0.70	ND	1	5/21/2010	5/21/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
1,1-Dichloroethane	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
1,2-Dichloroethane	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
1,1-Dichloroethene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
1,2-Dichloropropane	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
1,3-Dichloropropane	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
2,2-Dichloropropane	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
1,1-Dichloropropene	EPA 8260B MOD	10E2767	1.1	ND	1	5/21/2010	5/21/2010	
Ethylbenzene	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Hexachlorobutadiene	EPA 8260B MOD	10E2767	0.47	ND	1	5/21/2010	5/21/2010	
Isopropylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
p-Isopropyltoluene	EPA 8260B MOD	10E2767	0.91	ND	1	5/21/2010	5/21/2010	
Methylene chloride	EPA 8260B MOD	10E2767	1.4	ND	1	5/21/2010	5/21/2010	
Naphthalene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
Styrene	EPA 8260B MOD	10E2767	2.4	ND	1	5/21/2010	5/21/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10E2767	0.73	ND	1	5/21/2010	5/21/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10E2767	0.73	ND	1	5/21/2010	5/21/2010	
Tetrachloroethene	EPA 8260B MOD	10E2767	0.74	ND	1	5/21/2010	5/21/2010	
Toluene	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10E2767	0.67	ND	1	5/21/2010	5/21/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10E2767	0.67	ND	1	5/21/2010	5/21/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10E2767	0.92	ND	1	5/21/2010	5/21/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10E2767	0.92	ND	1	5/21/2010	5/21/2010	
Trichloroethene	EPA 8260B MOD	10E2767	0.93	ND	1	5/21/2010	5/21/2010	
Trichlorofluoromethane	EPA 8260B MOD	10E2767	0.89	ND	1	5/21/2010	5/21/2010	
',3-Trichloropropane	EPA 8260B MOD	10E2767	0.83	ND	1	5/21/2010	5/21/2010	
ı,2,4-Trimethylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10E2767	1.0	ND	1	5/21/2010	5/21/2010	
ıyl chloride	EPA 8260B MOD	10E2767	2.0	ND	1	5/21/2010	5/21/2010	
m,p-Xylenes	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
o-Xylene	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10E2767	1.3	ND	1	5/21/2010	5/21/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10E2767	1.4	ND	1	5/21/2010	5/21/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10E2767	1.2	ND	1	5/21/2010	5/21/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10E2767	17	ND	1	5/21/2010	5/21/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*111 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10E2767	80	**3400**	50	5/21/2010	5/21/2010	
Bromobenzene	EPA 8260B MOD	10E2767	39	ND	50	5/21/2010	5/21/2010	
Bromochloromethane	EPA 8260B MOD	10E2767	47	ND	50	5/21/2010	5/21/2010	
Bromodichloromethane	EPA 8260B MOD	10E2767	38	ND	50	5/21/2010	5/21/2010	
Bromoform	EPA 8260B MOD	10E2767	24	ND	50	5/21/2010	5/21/2010	
Bromomethane	EPA 8260B MOD	10E2767	65	ND	50	5/21/2010	5/21/2010	
n-Butylbenzene	EPA 8260B MOD	10E2767	46	ND	50	5/21/2010	5/21/2010	
sec-Butylbenzene	EPA 8260B MOD	10E2767	46	ND	50	5/21/2010	5/21/2010	
tert-Butylbenzene	EPA 8260B MOD	10E2767	46	ND	50	5/21/2010	5/21/2010	
Carbon tetrachloride	EPA 8260B MOD	10E2767	40	ND	50	5/21/2010	5/21/2010	
Chlorobenzene	EPA 8260B MOD	10E2767	60	ND	50	5/21/2010	5/21/2010	
Chloroethane	EPA 8260B MOD	10E2767	95	ND	50	5/21/2010	5/21/2010	
Chloroform	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
Chloromethane	EPA 8260B MOD	10E2767	120	ND	50	5/21/2010	5/21/2010	
2-Chlorotoluene	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
4-Chlorotoluene	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
Dibromochloromethane	EPA 8260B MOD	10E2767	30	ND	50	5/21/2010	5/21/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10E2767	32	ND	50	5/21/2010	5/21/2010	
Dibromomethane	EPA 8260B MOD	10E2767	35	ND	50	5/21/2010	5/21/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10E2767	42	ND	50	5/21/2010	5/21/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10E2767	42	ND	50	5/21/2010	5/21/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10E2767	42	ND	50	5/21/2010	5/21/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
1,1-Dichloroethane	EPA 8260B MOD	10E2767	60	ND	50	5/21/2010	5/21/2010	
1,2-Dichloroethane	EPA 8260B MOD	10E2767	60	ND	50	5/21/2010	5/21/2010	
1,1-Dichloroethene	EPA 8260B MOD	10E2767	65	ND	50	5/21/2010	5/21/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10E2767	65	ND	50	5/21/2010	5/21/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10E2767	65	ND	50	5/21/2010	5/21/2010	
1,2-Dichloropropane	EPA 8260B MOD	10E2767	55	ND	50	5/21/2010	5/21/2010	
1,3-Dichloropropane	EPA 8260B MOD	10E2767	55	ND	50	5/21/2010	5/21/2010	
2,2-Dichloropropane	EPA 8260B MOD	10E2767	55	ND	50	5/21/2010	5/21/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10E2767	55	ND	50	5/21/2010	5/21/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10E2767	55	ND	50	5/21/2010	5/21/2010	
1,1-Dichloropropene	EPA 8260B MOD	10E2767	55	ND	50	5/21/2010	5/21/2010	
Ethylbenzene	EPA 8260B MOD	10E2767	60	**120**	50	5/21/2010	5/21/2010	
Hexachlorobutadiene	EPA 8260B MOD	10E2767	24	ND	50	5/21/2010	5/21/2010	
Isopropylbenzene	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
p-Isopropyltoluene	EPA 8260B MOD	10E2767	46	ND	50	5/21/2010	5/21/2010	
Methylene chloride	EPA 8260B MOD	10E2767	70	ND	50	5/21/2010	5/21/2010	
Naphthalene	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
Styrene	EPA 8260B MOD	10E2767	120	ND	50	5/21/2010	5/21/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10E2767	36	ND	50	5/21/2010	5/21/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10E2767	36	ND	50	5/21/2010	5/21/2010	
Tetrachloroethene	EPA 8260B MOD	10E2767	37	ND	50	5/21/2010	5/21/2010	
Toluene	EPA 8260B MOD	10E2767	65	ND	50	5/21/2010	5/21/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10E2767	34	ND	50	5/21/2010	5/21/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10E2767	34	ND	50	5/21/2010	5/21/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10E2767	46	ND	50	5/21/2010	5/21/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10E2767	46	ND	50	5/21/2010	5/21/2010	
Trichloroethene	EPA 8260B MOD	10E2767	46	ND	50	5/21/2010	5/21/2010	
Trichlorofluoromethane	EPA 8260B MOD	10E2767	44	ND	50	5/21/2010	5/21/2010	
',3-Trichloropropane	EPA 8260B MOD	10E2767	42	ND	50	5/21/2010	5/21/2010	
ı,2,4-Trimethylbenzene	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10E2767	50	ND	50	5/21/2010	5/21/2010	
nyl chloride	EPA 8260B MOD	10E2767	100	ND	50	5/21/2010	5/21/2010	
m,p-Xylenes	EPA 8260B MOD	10E2767	60	ND	50	5/21/2010	5/21/2010	
o-Xylene	EPA 8260B MOD	10E2767	60	ND	50	5/21/2010	5/21/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10E2767	60	ND	50	5/21/2010	5/21/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10E2767	65	ND	50	5/21/2010	5/21/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10E2767	70	ND	50	5/21/2010	5/21/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10E2767	60	ND	50	5/21/2010	5/21/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10E2767	850	ND	50	5/21/2010	5/21/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10E2767	320	**14000**	200	5/21/2010	5/21/2010	
Bromobenzene	EPA 8260B MOD	10E2767	160	ND	200	5/21/2010	5/21/2010	
Bromochloromethane	EPA 8260B MOD	10E2767	190	ND	200	5/21/2010	5/21/2010	
Bromodichloromethane	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
Bromoform	EPA 8260B MOD	10E2767	96	ND	200	5/21/2010	5/21/2010	
Bromomethane	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
n-Butylbenzene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
sec-Butylbenzene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
tert-Butylbenzene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
Carbon tetrachloride	EPA 8260B MOD	10E2767	160	ND	200	5/21/2010	5/21/2010	
Chlorobenzene	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
Chloroethane	EPA 8260B MOD	10E2767	380	ND	200	5/21/2010	5/21/2010	
Chloroform	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
Chloromethane	EPA 8260B MOD	10E2767	480	ND	200	5/21/2010	5/21/2010	
2-Chlorotoluene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
4-Chlorotoluene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
Dibromochloromethane	EPA 8260B MOD	10E2767	120	ND	200	5/21/2010	5/21/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10E2767	130	ND	200	5/21/2010	5/21/2010	
Dibromomethane	EPA 8260B MOD	10E2767	140	ND	200	5/21/2010	5/21/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
1,1-Dichloroethane	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
1,2-Dichloroethane	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
1,1-Dichloroethene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
1,2-Dichloropropane	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
1,3-Dichloropropane	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
2,2-Dichloropropane	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
1,1-Dichloropropene	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
Ethylbenzene	EPA 8260B MOD	10E2767	240	**240**	200	5/21/2010	5/21/2010	
Hexachlorobutadiene	EPA 8260B MOD	10E2767	94	ND	200	5/21/2010	5/21/2010	
Isopropylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
p-Isopropyltoluene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
Methylene chloride	EPA 8260B MOD	10E2767	280	ND	200	5/21/2010	5/21/2010	
Naphthalene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
Styrene	EPA 8260B MOD	10E2767	480	ND	200	5/21/2010	5/21/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
Tetrachloroethene	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
Toluene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10E2767	130	ND	200	5/21/2010	5/21/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10E2767	130	ND	200	5/21/2010	5/21/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
Trichloroethene	EPA 8260B MOD	10E2767	190	ND	200	5/21/2010	5/21/2010	
Trichlorofluoromethane	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
ıyl chloride	EPA 8260B MOD	10E2767	400	ND	200	5/21/2010	5/21/2010	
m,p-Xylenes	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
o-Xylene	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10E2767	280	ND	200	5/21/2010	5/21/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10E2767	3400	ND	200	5/21/2010	5/21/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-05 (Inlet Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10E2767	320	**20000**	200	5/21/2010	5/21/2010	
Bromobenzene	EPA 8260B MOD	10E2767	160	ND	200	5/21/2010	5/21/2010	
Bromochloromethane	EPA 8260B MOD	10E2767	190	ND	200	5/21/2010	5/21/2010	
Bromodichloromethane	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
Bromoform	EPA 8260B MOD	10E2767	96	ND	200	5/21/2010	5/21/2010	
Bromomethane	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
n-Butylbenzene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
sec-Butylbenzene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
tert-Butylbenzene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
Carbon tetrachloride	EPA 8260B MOD	10E2767	160	ND	200	5/21/2010	5/21/2010	
Chlorobenzene	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
Chloroethane	EPA 8260B MOD	10E2767	380	ND	200	5/21/2010	5/21/2010	
Chloroform	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
Chloromethane	EPA 8260B MOD	10E2767	480	ND	200	5/21/2010	5/21/2010	
2-Chlorotoluene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
4-Chlorotoluene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
Dibromochloromethane	EPA 8260B MOD	10E2767	120	ND	200	5/21/2010	5/21/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10E2767	130	ND	200	5/21/2010	5/21/2010	
Dibromomethane	EPA 8260B MOD	10E2767	140	ND	200	5/21/2010	5/21/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
1,1-Dichloroethane	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
1,2-Dichloroethane	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
1,1-Dichloroethene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
1,2-Dichloropropane	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
1,3-Dichloropropane	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
2,2-Dichloropropane	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
1,1-Dichloropropene	EPA 8260B MOD	10E2767	220	ND	200	5/21/2010	5/21/2010	
Ethylbenzene	EPA 8260B MOD	10E2767	240	**510**	200	5/21/2010	5/21/2010	
Hexachlorobutadiene	EPA 8260B MOD	10E2767	94	ND	200	5/21/2010	5/21/2010	
Isopropylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
p-Isopropyltoluene	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
Methylene chloride	EPA 8260B MOD	10E2767	280	ND	200	5/21/2010	5/21/2010	
Naphthalene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-05 (Inlet Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
Styrene	EPA 8260B MOD	10E2767	480	ND	200	5/21/2010	5/21/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
Tetrachloroethene	EPA 8260B MOD	10E2767	150	ND	200	5/21/2010	5/21/2010	
Toluene	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10E2767	130	ND	200	5/21/2010	5/21/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10E2767	130	ND	200	5/21/2010	5/21/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
Trichloroethene	EPA 8260B MOD	10E2767	190	ND	200	5/21/2010	5/21/2010	
Trichlorofluoromethane	EPA 8260B MOD	10E2767	180	ND	200	5/21/2010	5/21/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10E2767	170	ND	200	5/21/2010	5/21/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10E2767	200	ND	200	5/21/2010	5/21/2010	
ıyl chloride	EPA 8260B MOD	10E2767	400	ND	200	5/21/2010	5/21/2010	
ın,p-Xylenes	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
o-Xylene	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10E2767	260	ND	200	5/21/2010	5/21/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10E2767	280	ND	200	5/21/2010	5/21/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10E2767	240	ND	200	5/21/2010	5/21/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10E2767	3400	ND	200	5/21/2010	5/21/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITE1977-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10E2914	0.10	**2.6**	1	5/21/2010	5/21/2010	
Carbon Monoxide	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Methane	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Nitrogen	ASTM D1946-90	10E2914	20	**78**	1	5/21/2010	5/21/2010	
Oxygen	ASTM D1946-90	10E2914	5.5	**20**	1	5/21/2010	5/21/2010	
Sample ID: ITE1977-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10E2914	0.10	**2.1**	1	5/21/2010	5/21/2010	
Carbon Monoxide	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Methane	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Nitrogen	ASTM D1946-90	10E2914	20	**78**	1	5/21/2010	5/21/2010	
Oxygen	ASTM D1946-90	10E2914	5.5	**20**	1	5/21/2010	5/21/2010	
Sample ID: ITE1977-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10E2914	0.10	**2.4**	1	5/21/2010	5/21/2010	
Carbon Monoxide	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Methane	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Nitrogen	ASTM D1946-90	10E2914	20	**78**	1	5/21/2010	5/21/2010	
Oxygen	ASTM D1946-90	10E2914	5.5	**20**	1	5/21/2010	5/21/2010	
Sample ID: ITE1977-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10E2914	0.10	**18**	1	5/21/2010	5/21/2010	
Carbon Monoxide	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Methane	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Nitrogen	ASTM D1946-90	10E2914	20	**73**	1	5/21/2010	5/21/2010	
Oxygen	ASTM D1946-90	10E2914	5.5	**9.0**	1	5/21/2010	5/21/2010	
Sample ID: ITE1977-05 (Inlet Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10E2914	0.10	**19**	1	5/21/2010	5/21/2010	
Carbon Monoxide	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Methane	ASTM D1946-90	10E2914	0.10	ND	1	5/21/2010	5/21/2010	
Nitrogen	ASTM D1946-90	10E2914	20	**73**	1	5/21/2010	5/21/2010	
Oxygen	ASTM D1946-90	10E2914	5.5	**8.6**	1	5/21/2010	5/21/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITE1977-01) - Air					
ASTM D1946-90	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 22:21	05/21/2010 22:21
EPA 8260B MOD	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 09:29	05/21/2010 10:46
Sample ID: Carbon 1 (ITE1977-02) - Air					
ASTM D1946-90	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 22:58	05/21/2010 22:58
EPA 8260B MOD	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 12:30	05/21/2010 15:33
Sample ID: Post Ambient Air (ITE1977-03) - Air					
ASTM D1946-90	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 23:15	05/21/2010 23:15
EPA 8260B MOD	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 09:37	05/21/2010 11:43
Sample ID: Inlet (ITE1977-04) - Air					
ASTM D1946-90	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 23:30	05/21/2010 23:30
EPA 8260B MOD	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 09:31	05/21/2010 12:12
Sample ID: Inlet Dup (ITE1977-05) - Air					
ASTM D1946-90	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 23:49	05/21/2010 23:49
EPA 8260B MOD	3	05/20/2010 12:30	05/20/2010 16:10	05/21/2010 09:38	05/21/2010 12:41

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Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10E2767 Extracted: 05/21/10										
Blank Analyzed: 05/21/2010 (10E2767-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10E2767 Extracted: 05/21/10										
Blank Analyzed: 05/21/2010 (10E2767-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
uene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.55*		*ppmv*	*6.99*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*6.08*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*13.2*		*ppmv*	*12.2*		*109*	*80-120*			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10E2767 Extracted: 05/21/10										
LCS Analyzed: 05/21/2010 (10E2767-BS1)										
Benzene	15.1	1.6	ppmv	15.7		96	70-120			
Bromobenzene	7.04	0.78	ppmv	7.79		90	75-120			
Bromochloromethane	8.72	0.94	ppmv	9.45		92	70-130			
Bromodichloromethane	7.65	0.75	ppmv	7.46		103	70-135			
Bromoform	3.44	0.48	ppmv	4.84		71	55-130			
Bromomethane	13.7	1.3	ppmv	12.9		106	65-140			
n-Butylbenzene	9.13	0.91	ppmv	9.11		100	70-130			
sec-Butylbenzene	9.78	0.91	ppmv	9.11		107	70-125			
tert-Butylbenzene	9.57	0.91	ppmv	9.11		105	70-125			
Carbon tetrachloride	7.32	0.79	ppmv	7.95		92	65-140			
Chlorobenzene	10.5	1.2	ppmv	10.9		97	75-120			
Chloroethane	18.5	1.9	ppmv	18.9		98	60-140			
Chloroform	10.1	1.0	ppmv	10.2		98	70-130			
Chloromethane	21.2	2.4	ppmv	24.2		87	50-140			
2-Chlorotoluene	9.28	1.0	ppmv	9.66		96	70-125			
4-Chlorotoluene	9.59	1.0	ppmv	9.66		99	75-125			
1,2-Dibromo-3-chloropropane	3.38	1.0	ppmv	5.17		65	50-135			
Dibromochloromethane	4.43	0.59	ppmv	5.87		75	70-140			
1,2-Dibromoethane (EDB)	4.86	0.65	ppmv	6.51		75	75-125			
Dibromomethane	6.54	0.70	ppmv	7.03		93	70-125			
1,2-Dichlorobenzene	8.24	0.83	ppmv	8.32		99	75-120			
1,3-Dichlorobenzene	8.60	0.83	ppmv	8.32		103	75-120			
1,4-Dichlorobenzene	8.19	0.83	ppmv	8.32		98	75-120			
Dichlorodifluoromethane	7.62	1.0	ppmv	10.1		75	35-155			
1,1-Dichloroethane	11.9	1.2	ppmv	12.4		96	70-125			
1,2-Dichloroethane	11.9	1.2	ppmv	12.4		96	60-140			
1,1-Dichloroethene	11.8	1.3	ppmv	12.6		94	70-125			
cis-1,2-Dichloroethene	13.0	1.3	ppmv	12.6		103	70-125			
trans-1,2-Dichloroethene	12.3	1.3	ppmv	12.6		98	70-125			
1,2-Dichloropropane	10.1	1.1	ppmv	10.8		93	70-125			
1,3-Dichloropropane	9.98	1.1	ppmv	10.8		92	70-120			
2,2-Dichloropropane	12.1	1.1	ppmv	10.8		112	65-140			
cis-1,3-Dichloropropene	11.1	1.1	ppmv	11.0		101	75-125			
trans-1,3-Dichloropropene	8.98	1.1	ppmv	11.0		81	70-125			
1,1-Dichloropropene	10.3	1.1	ppmv	11.0		94	75-130			
Ethylbenzene	11.5	1.2	ppmv	11.5		100	75-125			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10E2767 Extracted: 05/21/10										
LCS Analyzed: 05/21/2010 (10E2767-BS1)										
Hexachlorobutadiene	3.84	0.47	ppmv	4.69		82	65-135			
Isopropylbenzene	10.0	1.0	ppmv	10.2		98	75-130			
p-Isopropyltoluene	9.67	0.91	ppmv	9.11		106	75-125			
Methylene chloride	11.5	1.4	ppmv	14.4		80	55-130			
Naphthalene	8.08	1.0	ppmv	9.54		85	55-135			
n-Propylbenzene	10.6	1.0	ppmv	10.2		104	75-130			
Styrene	10.7	2.4	ppmv	11.7		91	75-130			
1,1,1,2-Tetrachloroethane	5.92	0.73	ppmv	7.28		81	70-130			
1,1,2,2-Tetrachloroethane	6.01	0.73	ppmv	7.28		83	55-130			
Tetrachloroethene	7.02	0.74	ppmv	7.37		95	70-125			
uene	13.3	1.3	ppmv	13.3		100	70-120			
1,2,3-Trichlorobenzene	5.62	0.67	ppmv	6.74		83	65-125			
1,2,4-Trichlorobenzene	5.92	0.67	ppmv	6.74		88	70-135			
1,1,1-Trichloroethane	9.51	0.92	ppmv	9.16		104	65-135			
1,1,2-Trichloroethane	8.51	0.92	ppmv	9.16		93	70-125			
Trichloroethene	9.22	0.93	ppmv	9.30		99	70-125			
Trichlorofluoromethane	9.02	0.89	ppmv	8.90		101	65-145			
1,2,3-Trichloropropane	6.57	0.83	ppmv	8.29		79	60-130			
1,2,4-Trimethylbenzene	10.9	1.0	ppmv	10.2		107	75-125			
1,3,5-Trimethylbenzene	10.4	1.0	ppmv	10.2		102	75-125			
Vinyl chloride	17.5	2.0	ppmv	19.6		90	55-135			
m,p-Xylenes	23.7	1.2	ppmv	23.0		103	75-125			
Di-isopropyl Ether (DIPE)	11.5	1.2	ppmv	12.0		96	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.6	1.3	ppmv	12.0		97	65-135			
Methyl-tert-butyl Ether (MTBE)	13.0	1.4	ppmv	13.9		94	60-135			
tert-Amyl Methyl Ether (TAME)	10.2	1.2	ppmv	12.0		85	60-135			
tert-Butanol (TBA)	89.4	17	ppmv	82.5		108	70-135			
Surrogate: 4-Bromofluorobenzene	*7.32*		*ppmv*	*6.99*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*6.53*		*ppmv*	*6.37*		*102*	*80-120*			
Surrogate: Toluene-d8	*13.1*		*ppmv*	*12.2*		*107*	*80-120*			

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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10E2767 Extracted: 05/21/10										
Duplicate Analyzed: 05/21/2010 (10E2767-DUP1)					**Source: ITE1999-02**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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Report Number: ITE1977

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10E2767 Extracted: 05/21/10										
Duplicate Analyzed: 05/21/2010 (10E2767-DUP1)					**Source: ITE1999-02**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
luene	0.207	1.3	ppmv		0.271			27	20	*R-9*
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		0.122				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		0.396				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.59*		*ppmv*	*6.99*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*6.18*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*13.3*		*ppmv*	*12.2*		*109*	*80-120*			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10E2914 Extracted: 05/21/10										
Duplicate Analyzed: 05/21/2010 (10E2914-DUP1)					**Source: ITE1977-01**					
Carbon Dioxide	2.47	0.10	% by Volume		2.57			4	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.3	20	% by Volume		77.5			0.2	20	
Oxygen	20.2	5.5	% by Volume		19.9			1	20	

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C2 Rem	Project ID: 97-101, Shell	
2382 Southeast Bristol St., Ste. B	97-101, 20245 S Vermont, Torrance, CA	Sampled: 05/20/10
Newport Beach, CA 92660	Report Number: ITE1977	Received: 05/20/10
Attention: Stephan Klemm		

DATA QUALIFIERS AND DEFINITIONS

R-9 Sample RPD exceeded the laboratory control limit.

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITE1977

Sampled: 05/20/10
Received: 05/20/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test ica STL Other_____

Lab Identification (if necessary):

- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

SHL _ Chain Of Custody Record

Shell Project Manager to be invoiced: George Landreth

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON
- [ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 05/20/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
2382 S.E. Bristol, Suite B, Newport Beach, CA 92660		1-949-261-8098	sklemm@c2rem.com	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Stefan Klemm	(949) 261-8098	(949) 261-8097	sklemm@c2rem.com

SAMPLER NAME(S) (Print): Shinta / Seamus.

LAB USE ONLY: LTE 1977

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet and inlet Dup are high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946	TEMPERATURE ON RECEIPT C°
	Effluent	5/20/10	12:30	Air	1 Tedlar														X	X	
	Carbon 1	5/20/10	12:30	Air	1 Tedlar														X	X	
	Post Ambient Air	5/20/10	12:30	Air	1 Tedlar														X	X	
	Inlet	5/20/10	12:30	Air	1 Tedlar														X	X	
	Inlet Dup	5/20/10	12:30	Air	1 Tedlar														X	X	

17:25
5/20/10
NP

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	5/20/2010	1610
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

11/18/05 Revision

Q&Q Graphic (714) 898-9702

RT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 06/18/10
Received: 06/18/10
Issued: 07/02/10 17:20

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 22°C and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITF1799-01	Effluent	Air
ITF1799-02	Carbon 1	Air
ITF1799-03	Post Ambient Air	Air
ITF1799-04	Inlet	Air
ITF1799-05	Inlet Dup	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10F2359	1.6	ND	1	6/18/2010	6/19/2010	
Bromobenzene	EPA 8260B MOD	10F2359	0.78	ND	1	6/18/2010	6/19/2010	
Bromochloromethane	EPA 8260B MOD	10F2359	0.94	ND	1	6/18/2010	6/19/2010	
Bromodichloromethane	EPA 8260B MOD	10F2359	0.75	ND	1	6/18/2010	6/19/2010	
Bromoform	EPA 8260B MOD	10F2359	0.48	ND	1	6/18/2010	6/19/2010	
Bromomethane	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
n-Butylbenzene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	
sec-Butylbenzene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	L
tert-Butylbenzene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	L
Carbon tetrachloride	EPA 8260B MOD	10F2359	0.79	ND	1	6/18/2010	6/19/2010	
Chlorobenzene	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Chloroethane	EPA 8260B MOD	10F2359	1.9	ND	1	6/18/2010	6/19/2010	
Chloroform	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
Chloromethane	EPA 8260B MOD	10F2359	2.4	ND	1	6/18/2010	6/19/2010	
2-Chlorotoluene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
4-Chlorotoluene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
Dibromochloromethane	EPA 8260B MOD	10F2359	0.59	ND	1	6/18/2010	6/19/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10F2359	0.65	ND	1	6/18/2010	6/19/2010	
Dibromomethane	EPA 8260B MOD	10F2359	0.70	ND	1	6/18/2010	6/19/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
1,1-Dichloroethane	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
1,2-Dichloroethane	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
1,1-Dichloroethene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
1,2-Dichloropropane	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
1,3-Dichloropropane	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
2,2-Dichloropropane	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
1,1-Dichloropropene	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
Ethylbenzene	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Hexachlorobutadiene	EPA 8260B MOD	10F2359	0.47	ND	1	6/18/2010	6/19/2010	
Isopropylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
p-Isopropyltoluene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	
Methylene chloride	EPA 8260B MOD	10F2359	1.4	ND	1	6/18/2010	6/19/2010	
Naphthalene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
Styrene	EPA 8260B MOD	10F2359	2.4	ND	1	6/18/2010	6/19/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10F2359	0.73	ND	1	6/18/2010	6/19/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10F2359	0.73	ND	1	6/18/2010	6/19/2010	
Tetrachloroethene	EPA 8260B MOD	10F2359	0.74	ND	1	6/18/2010	6/19/2010	
Toluene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10F2359	0.67	ND	1	6/18/2010	6/19/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10F2359	0.67	ND	1	6/18/2010	6/19/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10F2359	0.92	ND	1	6/18/2010	6/19/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10F2359	0.92	ND	1	6/18/2010	6/19/2010	
Trichloroethene	EPA 8260B MOD	10F2359	0.93	ND	1	6/18/2010	6/19/2010	
Trichlorofluoromethane	EPA 8260B MOD	10F2359	0.89	ND	1	6/18/2010	6/19/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	L
ıyl chloride	EPA 8260B MOD	10F2359	2.0	ND	1	6/18/2010	6/19/2010	
ı,p-Xylenes	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
o-Xylene	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10F2359	1.4	ND	1	6/18/2010	6/19/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10F2359	17	ND	1	6/18/2010	6/19/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*87 %*				
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*92 %*				

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Patty Mata
Project Manager

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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10F2359	1.6	ND	1	6/18/2010	6/19/2010	
Bromobenzene	EPA 8260B MOD	10F2359	0.78	ND	1	6/18/2010	6/19/2010	
Bromochloromethane	EPA 8260B MOD	10F2359	0.94	ND	1	6/18/2010	6/19/2010	
Bromodichloromethane	EPA 8260B MOD	10F2359	0.75	ND	1	6/18/2010	6/19/2010	
Bromoform	EPA 8260B MOD	10F2359	0.48	ND	1	6/18/2010	6/19/2010	
Bromomethane	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
n-Butylbenzene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	
sec-Butylbenzene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	L
tert-Butylbenzene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	L
Carbon tetrachloride	EPA 8260B MOD	10F2359	0.79	ND	1	6/18/2010	6/19/2010	
Chlorobenzene	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Chloroethane	EPA 8260B MOD	10F2359	1.9	ND	1	6/18/2010	6/19/2010	
Chloroform	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
Chloromethane	EPA 8260B MOD	10F2359	2.4	ND	1	6/18/2010	6/19/2010	
2-Chlorotoluene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
4-Chlorotoluene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
Dibromochloromethane	EPA 8260B MOD	10F2359	0.59	ND	1	6/18/2010	6/19/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10F2359	0.65	ND	1	6/18/2010	6/19/2010	
Dibromomethane	EPA 8260B MOD	10F2359	0.70	ND	1	6/18/2010	6/19/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
1,1-Dichloroethane	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
1,2-Dichloroethane	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
1,1-Dichloroethene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
1,2-Dichloropropane	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
1,3-Dichloropropane	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
2,2-Dichloropropane	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
1,1-Dichloropropene	EPA 8260B MOD	10F2359	1.1	ND	1	6/18/2010	6/19/2010	
Ethylbenzene	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Hexachlorobutadiene	EPA 8260B MOD	10F2359	0.47	ND	1	6/18/2010	6/19/2010	
Isopropylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
p-Isopropyltoluene	EPA 8260B MOD	10F2359	0.91	ND	1	6/18/2010	6/19/2010	
Methylene chloride	EPA 8260B MOD	10F2359	1.4	ND	1	6/18/2010	6/19/2010	
Naphthalene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
Styrene	EPA 8260B MOD	10F2359	2.4	ND	1	6/18/2010	6/19/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10F2359	0.73	ND	1	6/18/2010	6/19/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10F2359	0.73	ND	1	6/18/2010	6/19/2010	
Tetrachloroethene	EPA 8260B MOD	10F2359	0.74	ND	1	6/18/2010	6/19/2010	
Toluene	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10F2359	0.67	ND	1	6/18/2010	6/19/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10F2359	0.67	ND	1	6/18/2010	6/19/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10F2359	0.92	ND	1	6/18/2010	6/19/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10F2359	0.92	ND	1	6/18/2010	6/19/2010	
Trichloroethene	EPA 8260B MOD	10F2359	0.93	ND	1	6/18/2010	6/19/2010	
Trichlorofluoromethane	EPA 8260B MOD	10F2359	0.89	ND	1	6/18/2010	6/19/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10F2359	0.83	ND	1	6/18/2010	6/19/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10F2359	1.0	ND	1	6/18/2010	6/19/2010	L
ıyl chloride	EPA 8260B MOD	10F2359	2.0	ND	1	6/18/2010	6/19/2010	
ı,p-Xylenes	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
o-Xylene	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10F2359	1.3	ND	1	6/18/2010	6/19/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10F2359	1.4	ND	1	6/18/2010	6/19/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10F2359	1.2	ND	1	6/18/2010	6/19/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10F2359	17	ND	1	6/18/2010	6/19/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*82 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*88 %*				

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Patty Mata
Project Manager

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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10F2359	80	**3000**	50	6/18/2010	6/19/2010	
Bromobenzene	EPA 8260B MOD	10F2359	39	ND	50	6/18/2010	6/19/2010	
Bromochloromethane	EPA 8260B MOD	10F2359	47	ND	50	6/18/2010	6/19/2010	
Bromodichloromethane	EPA 8260B MOD	10F2359	38	ND	50	6/18/2010	6/19/2010	
Bromoform	EPA 8260B MOD	10F2359	24	ND	50	6/18/2010	6/19/2010	
Bromomethane	EPA 8260B MOD	10F2359	65	ND	50	6/18/2010	6/19/2010	
n-Butylbenzene	EPA 8260B MOD	10F2359	46	ND	50	6/18/2010	6/19/2010	
sec-Butylbenzene	EPA 8260B MOD	10F2359	46	ND	50	6/18/2010	6/19/2010	L
tert-Butylbenzene	EPA 8260B MOD	10F2359	46	ND	50	6/18/2010	6/19/2010	L
Carbon tetrachloride	EPA 8260B MOD	10F2359	40	ND	50	6/18/2010	6/19/2010	
Chlorobenzene	EPA 8260B MOD	10F2359	60	ND	50	6/18/2010	6/19/2010	
Chloroethane	EPA 8260B MOD	10F2359	95	ND	50	6/18/2010	6/19/2010	
Chloroform	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
Chloromethane	EPA 8260B MOD	10F2359	120	ND	50	6/18/2010	6/19/2010	
2-Chlorotoluene	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
4-Chlorotoluene	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
Dibromochloromethane	EPA 8260B MOD	10F2359	30	ND	50	6/18/2010	6/19/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10F2359	32	ND	50	6/18/2010	6/19/2010	
Dibromomethane	EPA 8260B MOD	10F2359	35	ND	50	6/18/2010	6/19/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10F2359	42	ND	50	6/18/2010	6/19/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10F2359	42	ND	50	6/18/2010	6/19/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10F2359	42	ND	50	6/18/2010	6/19/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
1,1-Dichloroethane	EPA 8260B MOD	10F2359	60	ND	50	6/18/2010	6/19/2010	
1,2-Dichloroethane	EPA 8260B MOD	10F2359	60	ND	50	6/18/2010	6/19/2010	
1,1-Dichloroethene	EPA 8260B MOD	10F2359	65	ND	50	6/18/2010	6/19/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10F2359	65	ND	50	6/18/2010	6/19/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10F2359	65	ND	50	6/18/2010	6/19/2010	
1,2-Dichloropropane	EPA 8260B MOD	10F2359	55	ND	50	6/18/2010	6/19/2010	
1,3-Dichloropropane	EPA 8260B MOD	10F2359	55	ND	50	6/18/2010	6/19/2010	
2,2-Dichloropropane	EPA 8260B MOD	10F2359	55	ND	50	6/18/2010	6/19/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10F2359	55	ND	50	6/18/2010	6/19/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10F2359	55	ND	50	6/18/2010	6/19/2010	
1,1-Dichloropropene	EPA 8260B MOD	10F2359	55	ND	50	6/18/2010	6/19/2010	
Ethylbenzene	EPA 8260B MOD	10F2359	60	**91**	50	6/18/2010	6/19/2010	
Hexachlorobutadiene	EPA 8260B MOD	10F2359	24	ND	50	6/18/2010	6/19/2010	
Isopropylbenzene	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
p-Isopropyltoluene	EPA 8260B MOD	10F2359	46	ND	50	6/18/2010	6/19/2010	
Methylene chloride	EPA 8260B MOD	10F2359	70	ND	50	6/18/2010	6/19/2010	
Naphthalene	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
Styrene	EPA 8260B MOD	10F2359	120	ND	50	6/18/2010	6/19/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10F2359	36	ND	50	6/18/2010	6/19/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10F2359	36	ND	50	6/18/2010	6/19/2010	
Tetrachloroethene	EPA 8260B MOD	10F2359	37	ND	50	6/18/2010	6/19/2010	
Toluene	EPA 8260B MOD	10F2359	65	ND	50	6/18/2010	6/19/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10F2359	34	ND	50	6/18/2010	6/19/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10F2359	34	ND	50	6/18/2010	6/19/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10F2359	46	ND	50	6/18/2010	6/19/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10F2359	46	ND	50	6/18/2010	6/19/2010	
Trichloroethene	EPA 8260B MOD	10F2359	46	ND	50	6/18/2010	6/19/2010	
Trichlorofluoromethane	EPA 8260B MOD	10F2359	44	ND	50	6/18/2010	6/19/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10F2359	42	ND	50	6/18/2010	6/19/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10F2359	50	ND	50	6/18/2010	6/19/2010	L
ıyl chloride	EPA 8260B MOD	10F2359	100	ND	50	6/18/2010	6/19/2010	
ı,p-Xylenes	EPA 8260B MOD	10F2359	60	ND	50	6/18/2010	6/19/2010	
o-Xylene	EPA 8260B MOD	10F2359	60	ND	50	6/18/2010	6/19/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10F2359	60	ND	50	6/18/2010	6/19/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10F2359	65	ND	50	6/18/2010	6/19/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10F2359	70	ND	50	6/18/2010	6/19/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10F2359	60	ND	50	6/18/2010	6/19/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10F2359	850	ND	50	6/18/2010	6/19/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*85 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*89 %*				

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10F2359	400	**20000**	250	6/18/2010	6/19/2010	
Bromobenzene	EPA 8260B MOD	10F2359	200	ND	250	6/18/2010	6/19/2010	
Bromochloromethane	EPA 8260B MOD	10F2359	240	ND	250	6/18/2010	6/19/2010	
Bromodichloromethane	EPA 8260B MOD	10F2359	190	ND	250	6/18/2010	6/19/2010	
Bromoform	EPA 8260B MOD	10F2359	120	ND	250	6/18/2010	6/19/2010	
Bromomethane	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
n-Butylbenzene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
sec-Butylbenzene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	L
tert-Butylbenzene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	L
Carbon tetrachloride	EPA 8260B MOD	10F2359	200	ND	250	6/18/2010	6/19/2010	
Chlorobenzene	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
Chloroethane	EPA 8260B MOD	10F2359	480	ND	250	6/18/2010	6/19/2010	
Chloroform	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
Chloromethane	EPA 8260B MOD	10F2359	600	ND	250	6/18/2010	6/19/2010	
2-Chlorotoluene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
4-Chlorotoluene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
Dibromochloromethane	EPA 8260B MOD	10F2359	150	ND	250	6/18/2010	6/19/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10F2359	160	ND	250	6/18/2010	6/19/2010	
Dibromomethane	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
1,1-Dichloroethane	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
1,2-Dichloroethane	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
1,1-Dichloroethene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
1,2-Dichloropropane	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
1,3-Dichloropropane	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
2,2-Dichloropropane	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
1,1-Dichloropropene	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
Ethylbenzene	EPA 8260B MOD	10F2359	300	**800**	250	6/18/2010	6/19/2010	
Hexachlorobutadiene	EPA 8260B MOD	10F2359	120	ND	250	6/18/2010	6/19/2010	
Isopropylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
p-Isopropyltoluene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
Methylene chloride	EPA 8260B MOD	10F2359	350	ND	250	6/18/2010	6/19/2010	
Naphthalene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
Styrene	EPA 8260B MOD	10F2359	600	ND	250	6/18/2010	6/19/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
Tetrachloroethene	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
Toluene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10F2359	170	ND	250	6/18/2010	6/19/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10F2359	170	ND	250	6/18/2010	6/19/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
Trichloroethene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
Trichlorofluoromethane	EPA 8260B MOD	10F2359	220	ND	250	6/18/2010	6/19/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	L
ıyl chloride	EPA 8260B MOD	10F2359	500	ND	250	6/18/2010	6/19/2010	
ın,p-Xylenes	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
o-Xylene	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10F2359	350	ND	250	6/18/2010	6/19/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10F2359	4200	ND	250	6/18/2010	6/19/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*93 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-05 (Inlet Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10F2359	400	**12000**	250	6/18/2010	6/19/2010	
Bromobenzene	EPA 8260B MOD	10F2359	200	ND	250	6/18/2010	6/19/2010	
Bromochloromethane	EPA 8260B MOD	10F2359	240	ND	250	6/18/2010	6/19/2010	
Bromodichloromethane	EPA 8260B MOD	10F2359	190	ND	250	6/18/2010	6/19/2010	
Bromoform	EPA 8260B MOD	10F2359	120	ND	250	6/18/2010	6/19/2010	
Bromomethane	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
n-Butylbenzene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
sec-Butylbenzene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	L
tert-Butylbenzene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	L
Carbon tetrachloride	EPA 8260B MOD	10F2359	200	ND	250	6/18/2010	6/19/2010	
Chlorobenzene	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
Chloroethane	EPA 8260B MOD	10F2359	480	ND	250	6/18/2010	6/19/2010	
Chloroform	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
Chloromethane	EPA 8260B MOD	10F2359	600	ND	250	6/18/2010	6/19/2010	
2-Chlorotoluene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
4-Chlorotoluene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
Dibromochloromethane	EPA 8260B MOD	10F2359	150	ND	250	6/18/2010	6/19/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10F2359	160	ND	250	6/18/2010	6/19/2010	
Dibromomethane	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
1,1-Dichloroethane	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
1,2-Dichloroethane	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
1,1-Dichloroethene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
1,2-Dichloropropane	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
1,3-Dichloropropane	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
2,2-Dichloropropane	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
1,1-Dichloropropene	EPA 8260B MOD	10F2359	280	ND	250	6/18/2010	6/19/2010	
Ethylbenzene	EPA 8260B MOD	10F2359	300	**370**	250	6/18/2010	6/19/2010	
Hexachlorobutadiene	EPA 8260B MOD	10F2359	120	ND	250	6/18/2010	6/19/2010	
Isopropylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
p-Isopropyltoluene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
Methylene chloride	EPA 8260B MOD	10F2359	350	ND	250	6/18/2010	6/19/2010	
Naphthalene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-05 (Inlet Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
Styrene	EPA 8260B MOD	10F2359	600	ND	250	6/18/2010	6/19/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
Tetrachloroethene	EPA 8260B MOD	10F2359	180	ND	250	6/18/2010	6/19/2010	
Toluene	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10F2359	170	ND	250	6/18/2010	6/19/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10F2359	170	ND	250	6/18/2010	6/19/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
Trichloroethene	EPA 8260B MOD	10F2359	230	ND	250	6/18/2010	6/19/2010	
Trichlorofluoromethane	EPA 8260B MOD	10F2359	220	ND	250	6/18/2010	6/19/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10F2359	210	ND	250	6/18/2010	6/19/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10F2359	250	ND	250	6/18/2010	6/19/2010	L
ıyl chloride	EPA 8260B MOD	10F2359	500	ND	250	6/18/2010	6/19/2010	
ı,p-Xylenes	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
o-Xylene	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10F2359	320	ND	250	6/18/2010	6/19/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10F2359	350	ND	250	6/18/2010	6/19/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10F2359	300	ND	250	6/18/2010	6/19/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10F2359	4200	ND	250	6/18/2010	6/19/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*82 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*87 %*				

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITF1799-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10F2522	0.10	**2.7**	1	6/19/2010	6/19/2010	
Carbon Monoxide	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Methane	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Nitrogen	ASTM D1946-90	10F2522	20	**78**	1	6/19/2010	6/19/2010	
Oxygen	ASTM D1946-90	10F2522	5.5	**20**	1	6/19/2010	6/19/2010	
Sample ID: ITF1799-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10F2522	0.10	**2.8**	1	6/19/2010	6/19/2010	
Carbon Monoxide	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Methane	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Nitrogen	ASTM D1946-90	10F2522	20	**77**	1	6/19/2010	6/19/2010	
Oxygen	ASTM D1946-90	10F2522	5.5	**20**	1	6/19/2010	6/19/2010	
Sample ID: ITF1799-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10F2522	0.10	**2.9**	1	6/19/2010	6/19/2010	
Carbon Monoxide	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Methane	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Nitrogen	ASTM D1946-90	10F2522	20	**77**	1	6/19/2010	6/19/2010	
Oxygen	ASTM D1946-90	10F2522	5.5	**20**	1	6/19/2010	6/19/2010	
Sample ID: ITF1799-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10F2522	0.10	**19**	1	6/19/2010	6/19/2010	
Carbon Monoxide	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Methane	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Nitrogen	ASTM D1946-90	10F2522	20	**73**	1	6/19/2010	6/19/2010	
Oxygen	ASTM D1946-90	10F2522	5.5	**8.2**	1	6/19/2010	6/19/2010	
Sample ID: ITF1799-05 (Inlet Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10F2522	0.10	**19**	1	6/19/2010	6/19/2010	
Carbon Monoxide	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Methane	ASTM D1946-90	10F2522	0.10	ND	1	6/19/2010	6/19/2010	
Nitrogen	ASTM D1946-90	10F2522	20	**73**	1	6/19/2010	6/19/2010	
Oxygen	ASTM D1946-90	10F2522	5.5	**8.2**	1	6/19/2010	6/19/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITF1799-01) - Air					
ASTM D1946-90	3	06/18/2010 13:30	06/18/2010 15:55	06/19/2010 17:42	06/19/2010 17:42
EPA 8260B MOD	3	06/18/2010 13:30	06/18/2010 15:55	06/18/2010 22:41	06/19/2010 03:39
Sample ID: Carbon 1 (ITF1799-02) - Air					
ASTM D1946-90	3	06/18/2010 13:30	06/18/2010 15:55	06/19/2010 17:58	06/19/2010 17:58
EPA 8260B MOD	3	06/18/2010 13:30	06/18/2010 15:55	06/18/2010 22:43	06/19/2010 04:08
Sample ID: Post Ambient Air (ITF1799-03) - Air					
ASTM D1946-90	3	06/18/2010 13:30	06/18/2010 15:55	06/19/2010 18:15	06/19/2010 18:15
EPA 8260B MOD	3	06/18/2010 13:30	06/18/2010 15:55	06/18/2010 22:47	06/19/2010 04:37
Sample ID: Inlet (ITF1799-04) - Air					
ASTM D1946-90	3	06/18/2010 13:30	06/18/2010 15:55	06/19/2010 18:32	06/19/2010 18:32
EPA 8260B MOD	3	06/18/2010 13:30	06/18/2010 15:55	06/18/2010 22:49	06/19/2010 05:05
Sample ID: Inlet Dup (ITF1799-05) - Air					
ASTM D1946-90	3	06/18/2010 13:30	06/18/2010 15:55	06/19/2010 18:49	06/19/2010 18:49
EPA 8260B MOD	3	06/18/2010 13:30	06/18/2010 15:55	06/18/2010 22:55	06/19/2010 05:33

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Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10F2359 Extracted: 06/18/10										
Blank Analyzed: 06/18/2010 (10F2359-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10F2359 Extracted: 06/18/10										
Blank Analyzed: 06/18/2010 (10F2359-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
luene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*5.79*		*ppmv*	*6.99*		*83*	*80-120*			
Surrogate: Dibromofluoromethane	*5.88*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*11.3*		*ppmv*	*12.2*		*92*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10F2359 Extracted: 06/18/10										
LCS Analyzed: 06/18/2010 (10F2359-BS1)										
Benzene	16.9	1.6	ppmv	15.7		108	70-120			
Bromobenzene	7.94	0.78	ppmv	7.79		102	75-120			
Bromochloromethane	9.44	0.94	ppmv	9.45		100	70-130			
Bromodichloromethane	7.54	0.75	ppmv	7.46		101	70-135			
Bromoform	4.75	0.48	ppmv	4.84		98	55-130			
Bromomethane	12.5	1.3	ppmv	12.9		97	65-140			
n-Butylbenzene	10.6	0.91	ppmv	9.11		117	70-130			
sec-Butylbenzene	11.7	0.91	ppmv	9.11		128	70-125			*L*
tert-Butylbenzene	11.6	0.91	ppmv	9.11		127	70-125			*L*
Carbon tetrachloride	8.84	0.79	ppmv	7.95		111	65-140			
Chlorobenzene	10.8	1.2	ppmv	10.9		100	75-120			
Chloroethane	19.3	1.9	ppmv	18.9		102	60-140			
Chloroform	9.93	1.0	ppmv	10.2		97	70-130			
Chloromethane	17.5	2.4	ppmv	24.2		72	50-140			
2-Chlorotoluene	11.1	1.0	ppmv	9.66		115	70-125			
4-Chlorotoluene	11.4	1.0	ppmv	9.66		118	75-125			
1,2-Dibromo-3-chloropropane	5.40	1.0	ppmv	5.17		104	50-135			
Dibromochloromethane	6.29	0.59	ppmv	5.87		107	70-140			
1,2-Dibromoethane (EDB)	6.95	0.65	ppmv	6.51		107	75-125			
Dibromomethane	7.01	0.70	ppmv	7.03		100	70-125			
1,2-Dichlorobenzene	8.72	0.83	ppmv	8.32		105	75-120			
1,3-Dichlorobenzene	8.86	0.83	ppmv	8.32		107	75-120			
1,4-Dichlorobenzene	8.68	0.83	ppmv	8.32		104	75-120			
Dichlorodifluoromethane	8.08	1.0	ppmv	10.1		80	35-155			
1,1-Dichloroethane	12.5	1.2	ppmv	12.4		101	70-125			
1,2-Dichloroethane	12.5	1.2	ppmv	12.4		101	60-140			
1,1-Dichloroethene	12.0	1.3	ppmv	12.6		95	70-125			
cis-1,2-Dichloroethene	13.7	1.3	ppmv	12.6		108	70-125			
trans-1,2-Dichloroethene	13.0	1.3	ppmv	12.6		103	70-125			
1,2-Dichloropropane	10.5	1.1	ppmv	10.8		97	70-125			
1,3-Dichloropropane	12.0	1.1	ppmv	10.8		111	70-120			
2,2-Dichloropropane	11.4	1.1	ppmv	10.8		105	65-140			
cis-1,3-Dichloropropene	10.9	1.1	ppmv	11.0		99	75-125			
trans-1,3-Dichloropropene	11.2	1.1	ppmv	11.0		102	70-125			
1,1-Dichloropropene	12.8	1.1	ppmv	11.0		116	75-130			
Ethylbenzene	11.8	1.2	ppmv	11.5		103	75-125			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10F2359 Extracted: 06/18/10										
LCS Analyzed: 06/18/2010 (10F2359-BS1)										
Hexachlorobutadiene	5.24	0.47	ppmv	4.69		112	65-135			
Isopropylbenzene	11.0	1.0	ppmv	10.2		108	75-130			
p-Isopropyltoluene	10.2	0.91	ppmv	9.11		112	75-125			
Methylene chloride	12.1	1.4	ppmv	14.4		84	55-130			
Naphthalene	10.7	1.0	ppmv	9.54		113	55-135			
n-Propylbenzene	13.2	1.0	ppmv	10.2		130	75-130			
Styrene	12.3	2.4	ppmv	11.7		105	75-130			
1,1,1,2-Tetrachloroethane	7.01	0.73	ppmv	7.28		96	70-130			
1,1,2,2-Tetrachloroethane	7.59	0.73	ppmv	7.28		104	55-130			
Tetrachloroethene	7.86	0.74	ppmv	7.37		107	70-125			
luene	11.9	1.3	ppmv	13.3		89	70-120			
1,2,3-Trichlorobenzene	7.13	0.67	ppmv	6.74		106	65-125			
1,2,4-Trichlorobenzene	7.12	0.67	ppmv	6.74		106	70-135			
1,1,1-Trichloroethane	9.38	0.92	ppmv	9.16		102	65-135			
1,1,2-Trichloroethane	8.58	0.92	ppmv	9.16		94	70-125			
Trichloroethene	9.41	0.93	ppmv	9.30		101	70-125			
Trichlorofluoromethane	8.70	0.89	ppmv	8.90		98	65-145			
1,2,3-Trichloropropane	8.42	0.83	ppmv	8.29		102	60-130			
1,2,4-Trimethylbenzene	12.6	1.0	ppmv	10.2		124	75-125			
1,3,5-Trimethylbenzene	13.2	1.0	ppmv	10.2		130	75-125			*L*
Vinyl chloride	16.3	2.0	ppmv	19.6		83	55-135			
m,p-Xylenes	24.6	1.2	ppmv	23.0		107	75-125			
Di-isopropyl Ether (DIPE)	12.6	1.2	ppmv	12.0		106	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.5	1.3	ppmv	12.0		96	65-135			
Methyl-tert-butyl Ether (MTBE)	13.0	1.4	ppmv	13.9		94	60-135			
tert-Amyl Methyl Ether (TAME)	10.6	1.2	ppmv	12.0		89	60-135			
tert-Butanol (TBA)	77.6	17	ppmv	82.5		94	70-135			
Surrogate: 4-Bromofluorobenzene	*6.31*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*5.73*		*ppmv*	*6.37*		*90*	*80-120*			
Surrogate: Toluene-d8	*10.7*		*ppmv*	*12.2*		*87*	*80-120*			

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Patty Mata
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10F2359 Extracted: 06/18/10										
Duplicate Analyzed: 06/18/2010 (10F2359-DUP1)					**Source: ITF1723-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10F2359 Extracted: 06/18/10										
Duplicate Analyzed: 06/18/2010 (10F2359-DUP1)					**Source: ITF1723-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
luene	0.775	1.3	ppmv		0.711			9	20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		0.0976				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	0.567	1.2	ppmv		0.544			4	20	
o-Xylene	0.193	1.2	ppmv		0.216			11	20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.18*		*ppmv*	*6.99*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*6.02*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*11.5*		*ppmv*	*12.2*		*94*	*80-120*			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10F2522 Extracted: 06/19/10										
Duplicate Analyzed: 06/19/2010 (10F2522-DUP1)					**Source: ITF1758-01**					
Carbon Dioxide	0.350	0.10	% by Volume		0.350			0	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	78.4	20	% by Volume		78.2			0.3	20	
Oxygen	21.3	5.5	% by Volume		21.5			0.9	20	

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITF1799	Sampled: 06/18/10 Received: 06/18/10

DATA QUALIFIERS AND DEFINITIONS

L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITF1799

Sampled: 06/18/10
Received: 06/18/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test ica STL Other_____

Lab Identification (if necessary):

- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

SH L Chain Of Custody Record

17F179,

Shell Project Manager to be invoiced: George Landreth

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON
- [ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY)

SAP or CRMT NUMBER (TS/CRMT)

DATE: 6/18/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
2382 S.E. Bristol, Suite B, Newport Beach, CA 92660		1-949-261-8098	sklemm@c2rem.com	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

SAMPLER NAME(S) (Print):

LAB USE ONLY

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	sklemm@c2rem.com

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet and inlet Dup are high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946	TEMPERATURE ON RECEIPT C°
	Effluent	6/18/10	13:30	Air	1 Tedlar														X	X	
	Carbon 1	↓	↓	Air	1 Tedlar														X	X	
	Post Ambient Air			Air	1 Tedlar														X	X	
	Inlet			Air	1 Tedlar														X	X	
	Inlet Dup	↓	↓	Air	1 Tedlar														X	X	

12:57
6/18/10
NP

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/18/2010	15:55
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Q&Q Graphic (714) 898-9702

11/18/05 Revision

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 07/15/10
Received: 07/15/10
Issued: 07/29/10 09:52

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITG1372-01	Effluent	Air
ITG1372-02	C1	Air
ITG1372-03	Post Ambient	Air
ITG1372-04	Inlet	Air
ITG1372-05	Post Amb Dup	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10G1740	1.6	ND	1	7/16/2010	7/16/2010	
Bromobenzene	EPA 8260B MOD	10G1740	0.78	ND	1	7/16/2010	7/16/2010	
Bromochloromethane	EPA 8260B MOD	10G1740	0.94	ND	1	7/16/2010	7/16/2010	
Bromodichloromethane	EPA 8260B MOD	10G1740	0.75	ND	1	7/16/2010	7/16/2010	
Bromoform	EPA 8260B MOD	10G1740	0.48	ND	1	7/16/2010	7/16/2010	
Bromomethane	EPA 8260B MOD	10G1740	1.3	ND	1	7/16/2010	7/16/2010	
n-Butylbenzene	EPA 8260B MOD	10G1740	0.91	ND	1	7/16/2010	7/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10G1740	0.91	ND	1	7/16/2010	7/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10G1740	0.91	ND	1	7/16/2010	7/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10G1740	0.79	ND	1	7/16/2010	7/16/2010	
Chlorobenzene	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
Chloroethane	EPA 8260B MOD	10G1740	1.9	ND	1	7/16/2010	7/16/2010	
Chloroform	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
Chloromethane	EPA 8260B MOD	10G1740	2.4	ND	1	7/16/2010	7/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
4-Chlorotoluene	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
Dibromochloromethane	EPA 8260B MOD	10G1740	0.59	ND	1	7/16/2010	7/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10G1740	0.65	ND	1	7/16/2010	7/16/2010	
Dibromomethane	EPA 8260B MOD	10G1740	0.70	ND	1	7/16/2010	7/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10G1740	0.83	ND	1	7/16/2010	7/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10G1740	0.83	ND	1	7/16/2010	7/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10G1740	0.83	ND	1	7/16/2010	7/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10G1740	1.3	ND	1	7/16/2010	7/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10G1740	1.3	ND	1	7/16/2010	7/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10G1740	1.3	ND	1	7/16/2010	7/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10G1740	1.1	ND	1	7/16/2010	7/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10G1740	1.1	ND	1	7/16/2010	7/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10G1740	1.1	ND	1	7/16/2010	7/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10G1740	1.1	ND	1	7/16/2010	7/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10G1740	1.1	ND	1	7/16/2010	7/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10G1740	1.1	ND	1	7/16/2010	7/16/2010	
Ethylbenzene	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10G1740	0.47	ND	1	7/16/2010	7/16/2010	
Isopropylbenzene	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10G1740	0.91	ND	1	7/16/2010	7/16/2010	
Methylene chloride	EPA 8260B MOD	10G1740	1.4	ND	1	7/16/2010	7/16/2010	
Naphthalene	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
Styrene	EPA 8260B MOD	10G1740	2.4	ND	1	7/16/2010	7/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10G1740	0.73	ND	1	7/16/2010	7/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10G1740	0.73	ND	1	7/16/2010	7/16/2010	
Tetrachloroethene	EPA 8260B MOD	10G1740	0.74	ND	1	7/16/2010	7/16/2010	
Toluene	EPA 8260B MOD	10G1740	1.3	ND	1	7/16/2010	7/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10G1740	0.67	ND	1	7/16/2010	7/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10G1740	0.67	ND	1	7/16/2010	7/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10G1740	0.92	ND	1	7/16/2010	7/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10G1740	0.92	ND	1	7/16/2010	7/16/2010	
Trichloroethene	EPA 8260B MOD	10G1740	0.93	ND	1	7/16/2010	7/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10G1740	0.89	ND	1	7/16/2010	7/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10G1740	0.83	ND	1	7/16/2010	7/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10G1740	1.0	ND	1	7/16/2010	7/16/2010	
ıyl chloride	EPA 8260B MOD	10G1740	2.0	ND	1	7/16/2010	7/16/2010	
..,p-Xylenes	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
o-Xylene	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10G1740	1.3	ND	1	7/16/2010	7/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10G1740	1.4	ND	1	7/16/2010	7/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10G1740	1.2	ND	1	7/16/2010	7/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10G1740	17	ND	1	7/16/2010	7/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-02 (C1 - Air)								
Reporting Units: ppmv								
Bromobenzene	EPA 8260B MOD	10G1740	7.8	ND	10	7/16/2010	7/16/2010	
Bromochloromethane	EPA 8260B MOD	10G1740	9.4	ND	10	7/16/2010	7/16/2010	
Bromodichloromethane	EPA 8260B MOD	10G1740	7.5	ND	10	7/16/2010	7/16/2010	
Bromoform	EPA 8260B MOD	10G1740	4.8	ND	10	7/16/2010	7/16/2010	
Bromomethane	EPA 8260B MOD	10G1740	13	ND	10	7/16/2010	7/16/2010	
n-Butylbenzene	EPA 8260B MOD	10G1740	9.1	ND	10	7/16/2010	7/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10G1740	9.1	ND	10	7/16/2010	7/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10G1740	9.1	ND	10	7/16/2010	7/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10G1740	7.9	ND	10	7/16/2010	7/16/2010	
Chlorobenzene	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
Chloroethane	EPA 8260B MOD	10G1740	19	ND	10	7/16/2010	7/16/2010	
Chloroform	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
Chloromethane	EPA 8260B MOD	10G1740	24	ND	10	7/16/2010	7/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
4-Chlorotoluene	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
Dibromochloromethane	EPA 8260B MOD	10G1740	5.9	ND	10	7/16/2010	7/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10G1740	6.5	ND	10	7/16/2010	7/16/2010	
Dibromomethane	EPA 8260B MOD	10G1740	7.0	ND	10	7/16/2010	7/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10G1740	8.3	ND	10	7/16/2010	7/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10G1740	8.3	ND	10	7/16/2010	7/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10G1740	8.3	ND	10	7/16/2010	7/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10G1740	13	ND	10	7/16/2010	7/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10G1740	13	ND	10	7/16/2010	7/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10G1740	13	ND	10	7/16/2010	7/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10G1740	11	ND	10	7/16/2010	7/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10G1740	11	ND	10	7/16/2010	7/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10G1740	11	ND	10	7/16/2010	7/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10G1740	11	ND	10	7/16/2010	7/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10G1740	11	ND	10	7/16/2010	7/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10G1740	11	ND	10	7/16/2010	7/16/2010	
Ethylbenzene	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10G1740	4.7	ND	10	7/16/2010	7/16/2010	
Isopropylbenzene	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10G1740	9.1	ND	10	7/16/2010	7/16/2010	
Methylene chloride	EPA 8260B MOD	10G1740	14	ND	10	7/16/2010	7/16/2010	
Naphthalene	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
n-Propylbenzene	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-02 (C1 - Air) - cont.								
Reporting Units: ppmv								
Styrene	EPA 8260B MOD	10G1740	24	ND	10	7/16/2010	7/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10G1740	7.3	ND	10	7/16/2010	7/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10G1740	7.3	ND	10	7/16/2010	7/16/2010	
Tetrachloroethene	EPA 8260B MOD	10G1740	7.4	ND	10	7/16/2010	7/16/2010	
Toluene	EPA 8260B MOD	10G1740	13	ND	10	7/16/2010	7/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10G1740	6.7	ND	10	7/16/2010	7/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10G1740	6.7	ND	10	7/16/2010	7/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10G1740	9.2	ND	10	7/16/2010	7/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10G1740	9.2	ND	10	7/16/2010	7/16/2010	
Trichloroethene	EPA 8260B MOD	10G1740	9.3	ND	10	7/16/2010	7/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10G1740	8.9	ND	10	7/16/2010	7/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10G1740	8.3	ND	10	7/16/2010	7/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10G1740	10	ND	10	7/16/2010	7/16/2010	
Vinyl chloride	EPA 8260B MOD	10G1740	20	ND	10	7/16/2010	7/16/2010	
p-Xylenes	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
o-Xylene	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10G1740	13	ND	10	7/16/2010	7/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10G1740	14	ND	10	7/16/2010	7/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10G1740	12	ND	10	7/16/2010	7/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10G1740	170	ND	10	7/16/2010	7/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-02RE1 (C1 - Air) - cont.								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10G1740	160	**3700**	100	7/16/2010	7/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-03 (Post Ambient - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10G1740	160	**3000**	100	7/16/2010	7/16/2010	
Bromobenzene	EPA 8260B MOD	10G1740	78	ND	100	7/16/2010	7/16/2010	
Bromochloromethane	EPA 8260B MOD	10G1740	94	ND	100	7/16/2010	7/16/2010	
Bromodichloromethane	EPA 8260B MOD	10G1740	75	ND	100	7/16/2010	7/16/2010	
Bromoform	EPA 8260B MOD	10G1740	48	ND	100	7/16/2010	7/16/2010	
Bromomethane	EPA 8260B MOD	10G1740	130	ND	100	7/16/2010	7/16/2010	
n-Butylbenzene	EPA 8260B MOD	10G1740	91	ND	100	7/16/2010	7/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10G1740	91	ND	100	7/16/2010	7/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10G1740	91	ND	100	7/16/2010	7/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10G1740	79	ND	100	7/16/2010	7/16/2010	
Chlorobenzene	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
Chloroethane	EPA 8260B MOD	10G1740	190	ND	100	7/16/2010	7/16/2010	
Chloroform	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
Chloromethane	EPA 8260B MOD	10G1740	240	ND	100	7/16/2010	7/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
Chlorotoluene	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
,2-Dibromo-3-chloropropane	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
Dibromochloromethane	EPA 8260B MOD	10G1740	59	ND	100	7/16/2010	7/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10G1740	65	ND	100	7/16/2010	7/16/2010	
Dibromomethane	EPA 8260B MOD	10G1740	70	ND	100	7/16/2010	7/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10G1740	83	ND	100	7/16/2010	7/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10G1740	83	ND	100	7/16/2010	7/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10G1740	83	ND	100	7/16/2010	7/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10G1740	130	ND	100	7/16/2010	7/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10G1740	130	ND	100	7/16/2010	7/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10G1740	130	ND	100	7/16/2010	7/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10G1740	110	ND	100	7/16/2010	7/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10G1740	110	ND	100	7/16/2010	7/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10G1740	110	ND	100	7/16/2010	7/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10G1740	110	ND	100	7/16/2010	7/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10G1740	110	ND	100	7/16/2010	7/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10G1740	110	ND	100	7/16/2010	7/16/2010	
Ethylbenzene	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10G1740	47	ND	100	7/16/2010	7/16/2010	
Isopropylbenzene	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10G1740	91	ND	100	7/16/2010	7/16/2010	
Methylene chloride	EPA 8260B MOD	10G1740	140	ND	100	7/16/2010	7/16/2010	
Naphthalene	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	

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Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-03 (Post Ambient - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
Styrene	EPA 8260B MOD	10G1740	240	ND	100	7/16/2010	7/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10G1740	73	ND	100	7/16/2010	7/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10G1740	73	ND	100	7/16/2010	7/16/2010	
Tetrachloroethene	EPA 8260B MOD	10G1740	74	ND	100	7/16/2010	7/16/2010	
Toluene	EPA 8260B MOD	10G1740	130	ND	100	7/16/2010	7/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10G1740	67	ND	100	7/16/2010	7/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10G1740	67	ND	100	7/16/2010	7/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10G1740	92	ND	100	7/16/2010	7/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10G1740	92	ND	100	7/16/2010	7/16/2010	
Trichloroethene	EPA 8260B MOD	10G1740	93	ND	100	7/16/2010	7/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10G1740	89	ND	100	7/16/2010	7/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10G1740	83	ND	100	7/16/2010	7/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10G1740	100	ND	100	7/16/2010	7/16/2010	
Vinyl chloride	EPA 8260B MOD	10G1740	200	ND	100	7/16/2010	7/16/2010	
m,p-Xylenes	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
o-Xylene	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10G1740	130	ND	100	7/16/2010	7/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10G1740	140	ND	100	7/16/2010	7/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10G1740	120	ND	100	7/16/2010	7/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10G1740	1700	ND	100	7/16/2010	7/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Report Number: ITG1372

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VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10G1740	800	**15000**	500	7/16/2010	7/16/2010	
Bromobenzene	EPA 8260B MOD	10G1740	390	ND	500	7/16/2010	7/16/2010	
Bromochloromethane	EPA 8260B MOD	10G1740	470	ND	500	7/16/2010	7/16/2010	
Bromodichloromethane	EPA 8260B MOD	10G1740	380	ND	500	7/16/2010	7/16/2010	
Bromoform	EPA 8260B MOD	10G1740	240	ND	500	7/16/2010	7/16/2010	
Bromomethane	EPA 8260B MOD	10G1740	650	ND	500	7/16/2010	7/16/2010	
n-Butylbenzene	EPA 8260B MOD	10G1740	460	ND	500	7/16/2010	7/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10G1740	460	ND	500	7/16/2010	7/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10G1740	460	ND	500	7/16/2010	7/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10G1740	400	ND	500	7/16/2010	7/16/2010	
Chlorobenzene	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
Chloroethane	EPA 8260B MOD	10G1740	950	ND	500	7/16/2010	7/16/2010	
Chloroform	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
Chloromethane	EPA 8260B MOD	10G1740	1200	ND	500	7/16/2010	7/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
Chlorotoluene	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
Dibromochloromethane	EPA 8260B MOD	10G1740	300	ND	500	7/16/2010	7/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10G1740	320	ND	500	7/16/2010	7/16/2010	
Dibromomethane	EPA 8260B MOD	10G1740	350	ND	500	7/16/2010	7/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10G1740	420	ND	500	7/16/2010	7/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10G1740	420	ND	500	7/16/2010	7/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10G1740	420	ND	500	7/16/2010	7/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10G1740	650	ND	500	7/16/2010	7/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10G1740	650	ND	500	7/16/2010	7/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10G1740	650	ND	500	7/16/2010	7/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10G1740	550	ND	500	7/16/2010	7/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10G1740	550	ND	500	7/16/2010	7/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10G1740	550	ND	500	7/16/2010	7/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10G1740	550	ND	500	7/16/2010	7/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10G1740	550	ND	500	7/16/2010	7/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10G1740	550	ND	500	7/16/2010	7/16/2010	
Ethylbenzene	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10G1740	240	ND	500	7/16/2010	7/16/2010	
Isopropylbenzene	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10G1740	460	ND	500	7/16/2010	7/16/2010	
Methylene chloride	EPA 8260B MOD	10G1740	700	ND	500	7/16/2010	7/16/2010	
Naphthalene	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
Styrene	EPA 8260B MOD	10G1740	1200	ND	500	7/16/2010	7/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10G1740	360	ND	500	7/16/2010	7/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10G1740	360	ND	500	7/16/2010	7/16/2010	
Tetrachloroethene	EPA 8260B MOD	10G1740	370	ND	500	7/16/2010	7/16/2010	
Toluene	EPA 8260B MOD	10G1740	650	ND	500	7/16/2010	7/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10G1740	340	ND	500	7/16/2010	7/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10G1740	340	ND	500	7/16/2010	7/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10G1740	460	ND	500	7/16/2010	7/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10G1740	460	ND	500	7/16/2010	7/16/2010	
Trichloroethene	EPA 8260B MOD	10G1740	460	ND	500	7/16/2010	7/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10G1740	440	ND	500	7/16/2010	7/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10G1740	420	ND	500	7/16/2010	7/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10G1740	500	ND	500	7/16/2010	7/16/2010	
Vinyl chloride	EPA 8260B MOD	10G1740	1000	ND	500	7/16/2010	7/16/2010	
m,p-Xylenes	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
o-Xylene	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10G1740	650	ND	500	7/16/2010	7/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10G1740	700	ND	500	7/16/2010	7/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10G1740	600	ND	500	7/16/2010	7/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10G1740	8500	ND	500	7/16/2010	7/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-05 (Post Amb Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10G1740	80	**2800**	50	7/16/2010	7/16/2010	
Bromobenzene	EPA 8260B MOD	10G1740	39	ND	50	7/16/2010	7/16/2010	
Bromochloromethane	EPA 8260B MOD	10G1740	47	ND	50	7/16/2010	7/16/2010	
Bromodichloromethane	EPA 8260B MOD	10G1740	38	ND	50	7/16/2010	7/16/2010	
Bromoform	EPA 8260B MOD	10G1740	24	ND	50	7/16/2010	7/16/2010	
Bromomethane	EPA 8260B MOD	10G1740	65	ND	50	7/16/2010	7/16/2010	
n-Butylbenzene	EPA 8260B MOD	10G1740	46	ND	50	7/16/2010	7/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10G1740	46	ND	50	7/16/2010	7/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10G1740	46	ND	50	7/16/2010	7/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10G1740	40	ND	50	7/16/2010	7/16/2010	
Chlorobenzene	EPA 8260B MOD	10G1740	60	ND	50	7/16/2010	7/16/2010	
Chloroethane	EPA 8260B MOD	10G1740	95	ND	50	7/16/2010	7/16/2010	
Chloroform	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
Chloromethane	EPA 8260B MOD	10G1740	120	ND	50	7/16/2010	7/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
Chlorotoluene	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
Dibromochloromethane	EPA 8260B MOD	10G1740	30	ND	50	7/16/2010	7/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10G1740	32	ND	50	7/16/2010	7/16/2010	
Dibromomethane	EPA 8260B MOD	10G1740	35	ND	50	7/16/2010	7/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10G1740	42	ND	50	7/16/2010	7/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10G1740	42	ND	50	7/16/2010	7/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10G1740	42	ND	50	7/16/2010	7/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10G1740	60	ND	50	7/16/2010	7/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10G1740	60	ND	50	7/16/2010	7/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10G1740	65	ND	50	7/16/2010	7/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10G1740	65	ND	50	7/16/2010	7/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10G1740	65	ND	50	7/16/2010	7/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10G1740	55	ND	50	7/16/2010	7/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10G1740	55	ND	50	7/16/2010	7/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10G1740	55	ND	50	7/16/2010	7/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10G1740	55	ND	50	7/16/2010	7/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10G1740	55	ND	50	7/16/2010	7/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10G1740	55	ND	50	7/16/2010	7/16/2010	
Ethylbenzene	EPA 8260B MOD	10G1740	60	**91**	50	7/16/2010	7/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10G1740	24	ND	50	7/16/2010	7/16/2010	
Isopropylbenzene	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10G1740	46	ND	50	7/16/2010	7/16/2010	
Methylene chloride	EPA 8260B MOD	10G1740	70	ND	50	7/16/2010	7/16/2010	
Naphthalene	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-05 (Post Amb Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
Styrene	EPA 8260B MOD	10G1740	120	ND	50	7/16/2010	7/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10G1740	36	ND	50	7/16/2010	7/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10G1740	36	ND	50	7/16/2010	7/16/2010	
Tetrachloroethene	EPA 8260B MOD	10G1740	37	ND	50	7/16/2010	7/16/2010	
Toluene	EPA 8260B MOD	10G1740	65	ND	50	7/16/2010	7/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10G1740	34	ND	50	7/16/2010	7/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10G1740	34	ND	50	7/16/2010	7/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10G1740	46	ND	50	7/16/2010	7/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10G1740	46	ND	50	7/16/2010	7/16/2010	
Trichloroethene	EPA 8260B MOD	10G1740	46	ND	50	7/16/2010	7/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10G1740	44	ND	50	7/16/2010	7/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10G1740	42	ND	50	7/16/2010	7/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10G1740	50	ND	50	7/16/2010	7/16/2010	
Vinyl chloride	EPA 8260B MOD	10G1740	100	ND	50	7/16/2010	7/16/2010	
m,p-Xylenes	EPA 8260B MOD	10G1740	60	ND	50	7/16/2010	7/16/2010	
o-Xylene	EPA 8260B MOD	10G1740	60	ND	50	7/16/2010	7/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10G1740	60	ND	50	7/16/2010	7/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10G1740	65	ND	50	7/16/2010	7/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10G1740	70	ND	50	7/16/2010	7/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10G1740	60	ND	50	7/16/2010	7/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10G1740	850	ND	50	7/16/2010	7/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITG1372-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10G1908	0.10	**3.0**	1	7/17/2010	7/17/2010	
Carbon Monoxide	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Methane	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Nitrogen	ASTM D1946-90	10G1908	20	**77**	1	7/17/2010	7/17/2010	
Oxygen	ASTM D1946-90	10G1908	5.5	**20**	1	7/17/2010	7/17/2010	
Sample ID: ITG1372-02 (C1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10G1908	0.10	**2.8**	1	7/17/2010	7/17/2010	
Carbon Monoxide	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Methane	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Nitrogen	ASTM D1946-90	10G1908	20	**77**	1	7/17/2010	7/17/2010	
Oxygen	ASTM D1946-90	10G1908	5.5	**20**	1	7/17/2010	7/17/2010	
Sample ID: ITG1372-03 (Post Ambient - Air)								
Reporting Units: % by Volume								
rbon Dioxide	ASTM D1946-90	10G1908	0.10	**2.9**	1	7/17/2010	7/17/2010	
arbon Monoxide	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Methane	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Nitrogen	ASTM D1946-90	10G1908	20	**77**	1	7/17/2010	7/17/2010	
Oxygen	ASTM D1946-90	10G1908	5.5	**20**	1	7/17/2010	7/17/2010	
Sample ID: ITG1372-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10G1908	0.10	**19**	1	7/17/2010	7/17/2010	
Carbon Monoxide	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Methane	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Nitrogen	ASTM D1946-90	10G1908	20	**72**	1	7/17/2010	7/17/2010	
Oxygen	ASTM D1946-90	10G1908	5.5	**8.5**	1	7/17/2010	7/17/2010	
Sample ID: ITG1372-05 (Post Amb Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10G1908	0.10	**2.9**	1	7/17/2010	7/17/2010	
Carbon Monoxide	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Methane	ASTM D1946-90	10G1908	0.10	ND	1	7/17/2010	7/17/2010	
Nitrogen	ASTM D1946-90	10G1908	20	**77**	1	7/17/2010	7/17/2010	
Oxygen	ASTM D1946-90	10G1908	5.5	**20**	1	7/17/2010	7/17/2010	

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Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITG1372-01) - Air					
ASTM D1946-90	3	07/15/2010 10:30	07/15/2010 16:15	07/17/2010 16:17	07/17/2010 16:17
EPA 8260B MOD	3	07/15/2010 10:30	07/15/2010 16:15	07/16/2010 11:55	07/16/2010 16:11
Sample ID: C1 (ITG1372-02) - Air					
ASTM D1946-90	3	07/15/2010 10:40	07/15/2010 16:15	07/17/2010 16:54	07/17/2010 16:54
EPA 8260B MOD	3	07/15/2010 10:40	07/15/2010 16:15	07/16/2010 09:05	07/16/2010 09:25
Sample ID: C1 (ITG1372-02RE1) - Air					
EPA 8260B MOD	3	07/15/2010 10:40	07/15/2010 16:15	07/16/2010 11:59	07/16/2010 16:40
Sample ID: Post Ambient (ITG1372-03) - Air					
ASTM D1946-90	3	07/15/2010 10:50	07/15/2010 16:15	07/17/2010 17:14	07/17/2010 17:14
EPA 8260B MOD	3	07/15/2010 10:50	07/15/2010 16:15	07/16/2010 11:57	07/16/2010 17:08
Sample ID: Inlet (ITG1372-04) - Air					
ASTM D1946-90	3	07/15/2010 11:00	07/15/2010 16:15	07/17/2010 17:34	07/17/2010 17:34
EPA 8260B MOD	3	07/15/2010 11:00	07/15/2010 16:15	07/16/2010 12:01	07/16/2010 17:37
Sample ID: Post Amb Dup (ITG1372-05) - Air					
ASTM D1946-90	3	07/15/2010 10:50	07/15/2010 16:15	07/17/2010 17:51	07/17/2010 17:51
EPA 8260B MOD	3	07/15/2010 10:50	07/15/2010 16:15	07/16/2010 12:08	07/16/2010 18:06

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10G1740 Extracted: 07/16/10										
Blank Analyzed: 07/16/2010 (10G1740-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
lorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Patty Mata
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10G1740 Extracted: 07/16/10										
Blank Analyzed: 07/16/2010 (10G1740-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
Toluene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.61*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.68*		*ppmv*	*6.37*		*105*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

TestAmerica Irvine

Patty Mata
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING
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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10G1740 Extracted: 07/16/10										
LCS Analyzed: 07/16/2010 (10G1740-BS1)										
Benzene	14.1	1.6	ppmv	15.7		90	70-120			
Bromobenzene	8.26	0.78	ppmv	7.79		106	75-120			
Bromochloromethane	10.2	0.94	ppmv	9.45		108	70-130			
Bromodichloromethane	8.14	0.75	ppmv	7.46		109	70-135			
Bromoform	4.18	0.48	ppmv	4.84		86	55-130			
Bromomethane	13.5	1.3	ppmv	12.9		105	65-140			
n-Butylbenzene	7.90	0.91	ppmv	9.11		87	70-130			
sec-Butylbenzene	7.99	0.91	ppmv	9.11		88	70-125			
tert-Butylbenzene	8.33	0.91	ppmv	9.11		91	70-125			
Carbon tetrachloride	7.82	0.79	ppmv	7.95		98	65-140			
lorobenzene	10.4	1.2	ppmv	10.9		96	75-120			
hloroethane	17.4	1.9	ppmv	18.9		92	60-140			
Chloroform	9.98	1.0	ppmv	10.2		97	70-130			
Chloromethane	18.2	2.4	ppmv	24.2		75	50-140			
2-Chlorotoluene	8.78	1.0	ppmv	9.66		91	70-125			
4-Chlorotoluene	8.97	1.0	ppmv	9.66		93	75-125			
1,2-Dibromo-3-chloropropane	4.38	1.0	ppmv	5.17		85	50-135			
Dibromochloromethane	5.78	0.59	ppmv	5.87		98	70-140			
1,2-Dibromoethane (EDB)	6.89	0.65	ppmv	6.51		106	75-125			
Dibromomethane	7.53	0.70	ppmv	7.03		107	70-125			
1,2-Dichlorobenzene	8.75	0.83	ppmv	8.32		105	75-120			
1,3-Dichlorobenzene	8.57	0.83	ppmv	8.32		103	75-120			
1,4-Dichlorobenzene	8.53	0.83	ppmv	8.32		103	75-120			
Dichlorodifluoromethane	10.0	1.0	ppmv	10.1		99	35-155			
1,1-Dichloroethane	12.0	1.2	ppmv	12.4		97	70-125			
1,2-Dichloroethane	11.6	1.2	ppmv	12.4		94	60-140			
1,1-Dichloroethene	11.7	1.3	ppmv	12.6		93	70-125			
cis-1,2-Dichloroethene	13.1	1.3	ppmv	12.6		104	70-125			
trans-1,2-Dichloroethene	12.4	1.3	ppmv	12.6		98	70-125			
1,2-Dichloropropane	10.5	1.1	ppmv	10.8		97	70-125			
1,3-Dichloropropane	10.7	1.1	ppmv	10.8		99	70-120			
2,2-Dichloropropane	10.4	1.1	ppmv	10.8		96	65-140			
cis-1,3-Dichloropropene	11.1	1.1	ppmv	11.0		101	75-125			
trans-1,3-Dichloropropene	11.4	1.1	ppmv	11.0		103	70-125			
1,1-Dichloropropene	9.86	1.1	ppmv	11.0		89	75-130			
Ethylbenzene	10.8	1.2	ppmv	11.5		94	75-125			

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10G1740 Extracted: 07/16/10										
LCS Analyzed: 07/16/2010 (10G1740-BS1)										
Hexachlorobutadiene	5.11	0.47	ppmv	4.69		109	65-135			
Isopropylbenzene	9.19	1.0	ppmv	10.2		90	75-130			
p-Isopropyltoluene	8.58	0.91	ppmv	9.11		94	75-125			
Methylene chloride	13.7	1.4	ppmv	14.4		95	55-130			
Naphthalene	10.6	1.0	ppmv	9.54		111	55-135			
n-Propylbenzene	9.00	1.0	ppmv	10.2		88	75-130			
Styrene	11.8	2.4	ppmv	11.7		100	75-130			
1,1,1,2-Tetrachloroethane	7.51	0.73	ppmv	7.28		103	70-130			
1,1,2,2-Tetrachloroethane	7.52	0.73	ppmv	7.28		103	55-130			
Tetrachloroethene	7.37	0.74	ppmv	7.37		100	70-125			
Toluene	12.2	1.3	ppmv	13.3		92	70-120			
1,2,3-Trichlorobenzene	7.92	0.67	ppmv	6.74		118	65-125			
1,2,4-Trichlorobenzene	7.56	0.67	ppmv	6.74		112	70-135			
1,1,1-Trichloroethane	9.13	0.92	ppmv	9.16		100	65-135			
1,1,2-Trichloroethane	9.76	0.92	ppmv	9.16		107	70-125			
Trichloroethene	9.06	0.93	ppmv	9.30		97	70-125			
Trichlorofluoromethane	9.35	0.89	ppmv	8.90		105	65-145			
1,2,3-Trichloropropane	7.76	0.83	ppmv	8.29		94	60-130			
1,2,4-Trimethylbenzene	9.59	1.0	ppmv	10.2		94	75-125			
1,3,5-Trimethylbenzene	9.46	1.0	ppmv	10.2		93	75-125			
Vinyl chloride	17.2	2.0	ppmv	19.6		88	55-135			
m,p-Xylenes	21.3	1.2	ppmv	23.0		92	75-125			
Di-isopropyl Ether (DIPE)	10.5	1.2	ppmv	12.0		88	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.9	1.3	ppmv	12.0		100	65-135			
Methyl-tert-butyl Ether (MTBE)	14.5	1.4	ppmv	13.9		105	60-135			
tert-Amyl Methyl Ether (TAME)	13.0	1.2	ppmv	12.0		109	60-135			
tert-Butanol (TBA)	82.2	17	ppmv	82.5		100	70-135			
Surrogate: 4-Bromofluorobenzene	*6.82*		*ppmv*	*6.99*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*6.73*		*ppmv*	*6.37*		*106*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*80-120*			

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Patty Mata
Project Manager

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C2 Rem
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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10G1740 Extracted: 07/16/10										
Duplicate Analyzed: 07/16/2010 (10G1740-DUP1)					**Source: ITG1372-02**					
Bromobenzene	ND	7.8	ppmv		ND				20	
Bromochloromethane	ND	9.4	ppmv		ND				20	
Bromodichloromethane	ND	7.5	ppmv		ND				20	
Bromoform	ND	4.8	ppmv		ND				25	
Bromomethane	ND	13	ppmv		ND				20	
n-Butylbenzene	ND	9.1	ppmv		ND				20	
sec-Butylbenzene	ND	9.1	ppmv		ND				20	
tert-Butylbenzene	ND	9.1	ppmv		ND				20	
Carbon tetrachloride	ND	7.9	ppmv		ND				25	
Chlorobenzene	ND	12	ppmv		ND				20	
loroethane	ND	19	ppmv		ND				20	
hloroform	ND	10	ppmv		ND				20	
Chloromethane	ND	24	ppmv		ND				25	
2-Chlorotoluene	ND	10	ppmv		ND				20	
4-Chlorotoluene	ND	10	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	10	ppmv		ND				30	
Dibromochloromethane	ND	5.9	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	6.5	ppmv		ND				20	
Dibromomethane	ND	7.0	ppmv		ND				20	
1,2-Dichlorobenzene	ND	8.3	ppmv		ND				20	
1,3-Dichlorobenzene	ND	8.3	ppmv		ND				20	
1,4-Dichlorobenzene	ND	8.3	ppmv		ND				20	
Dichlorodifluoromethane	ND	10	ppmv		ND				30	
1,1-Dichloroethane	ND	12	ppmv		ND				20	
1,2-Dichloroethane	ND	12	ppmv		ND				20	
1,1-Dichloroethene	ND	13	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	13	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	13	ppmv		ND				20	
1,2-Dichloropropane	ND	11	ppmv		ND				20	
1,3-Dichloropropane	ND	11	ppmv		ND				20	
2,2-Dichloropropane	ND	11	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	11	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	11	ppmv		ND				20	
1,1-Dichloropropene	ND	11	ppmv		ND				20	
Ethylbenzene	ND	12	ppmv		ND				20	
Hexachlorobutadiene	ND	4.7	ppmv		ND				20	

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Patty Mata
Project Manager

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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10G1740 Extracted: 07/16/10										
Duplicate Analyzed: 07/16/2010 (10G1740-DUP1)					**Source: ITG1372-02**					
Isopropylbenzene	ND	10	ppmv		ND				20	
p-Isopropyltoluene	ND	9.1	ppmv		ND				20	
Methylene chloride	ND	14	ppmv		ND				20	
Naphthalene	ND	10	ppmv		ND				25	
n-Propylbenzene	ND	10	ppmv		ND				20	
Styrene	ND	24	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	7.3	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	7.3	ppmv		ND				25	
Tetrachloroethene	ND	7.4	ppmv		ND				20	
Toluene	ND	13	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	6.7	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	6.7	ppmv		ND				20	
1,1,1-Trichloroethane	ND	9.2	ppmv		ND				20	
1,1,2-Trichloroethane	ND	9.2	ppmv		ND				20	
Trichloroethene	ND	9.3	ppmv		ND				20	
Trichlorofluoromethane	ND	8.9	ppmv		ND				20	
1,2,3-Trichloropropane	ND	8.3	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	10	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	10	ppmv		ND				20	
Vinyl chloride	ND	20	ppmv		ND				30	
m,p-Xylenes	ND	12	ppmv		ND				20	
o-Xylene	ND	12	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	12	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	13	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	14	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	12	ppmv		ND				25	
tert-Butanol (TBA)	ND	170	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.77*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.56*		*ppmv*	*6.37*		*103*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*102*	*80-120*			

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10G1908 Extracted: 07/17/10										
Duplicate Analyzed: 07/17/2010 (10G1908-DUP1)					**Source: ITG1372-01**					
Carbon Dioxide	2.96	0.10	% by Volume		2.96			0	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.2	20	% by Volume		77.4			0.2	20	
Oxygen	19.8	5.5	% by Volume		19.7			0.8	20	

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Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITG1372	Sampled: 07/15/10 Received: 07/15/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITG1372

Sampled: 07/15/10
Received: 07/15/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Patty Mata
Project Manager

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IT 61372

NH
7/15/10
1717

LAB: Test America STL Other_____

Lab Identification (if necessary):
- ☑ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Nashville, Tennessee
- ☐ STL
- ☐ Other (Location)_____

SHELL Chain Of Custody Record

Shell Project Manager to be Invoiced: George Landreth

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910 Louisiana 6L
Houston, TX 77002

☐ NOT FOR ENV. REMEDIATION - NO ETIN - SEND PAPER INVOICE

INCIDENT NUMBER (IS ONLY)

SAP or CRMT NUMBER (TS CRMT)

DATE: _____

PAGE: _____ of _____

Company: C2 REM	Job Code:	Site Address: Street and City: 20245 S. Vermont St., Torrance	State: CA	Global ID No.:
Address: 23E2 B.E. Bristol, Suite B, Newport Beach, CA 92660		Bill Shell Facility to (Address to Pay Invoices):	Phone No.: 1-949-261-6098	Email: sklemm@c2rem.com
Project Contact (Person to Report To): Stefan Klemm				Consultant Project No.: 97-101 (Del Amo SVE/IBT)
Telephone: (949) 261-6098	Fax: (949) 261-6097	Email: sklemm@c2rem.com	Caption Name & Title:	LAB USE ONLY

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GOME WEB CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

RECEIPT VERIFICATION REQUESTED ☑

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	6 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946							Temperature on Receipt C°
	Effluent	7/15	10:30	Air	1 Tedlar														X	X							
	C1		10:40	Air	1 Tedlar														X	X							
	Post Ambient		10:50	Air	1 Tedlar														X	X							
	Inlet		11:00	Air	1 Tedlar														X	X							
	~~Inlet Dup~~ Post Amb DUP		10:50	Air	1 Tedlar														X	X							

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by (Signature): Leonard Jr Jell	Received by (Signature):	Date:	Time:
Relinquished by (Signature):	Received by (Signature):	Date:	Time:
Relinquished by (Signature):	Received by (Signature): Stephanie Avila	Date: 7/15/10	Time: 10:15

SHELL Revision

Oct D Graphic (714) 896-9782

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 08/12/10
Received: 08/12/10
Issued: 08/25/10 16:47

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITH1181-01	Effluent	Air
ITH1181-02	Carbon 1	Air
ITH1181-03	Post Ambient Air	Air
ITH1181-04	Inlet	Air
ITH1181-05	Post Ambient Air Dup	Air

Reviewed By:

'stAmerica Irvine

Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10H1488	1.6	ND	1	8/13/2010	8/13/2010	
Bromobenzene	EPA 8260B MOD	10H1488	0.78	ND	1	8/13/2010	8/13/2010	
Bromochloromethane	EPA 8260B MOD	10H1488	0.94	ND	1	8/13/2010	8/13/2010	
Bromodichloromethane	EPA 8260B MOD	10H1488	0.75	ND	1	8/13/2010	8/13/2010	
Bromoform	EPA 8260B MOD	10H1488	0.48	ND	1	8/13/2010	8/13/2010	
Bromomethane	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
n-Butylbenzene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10H1488	0.79	ND	1	8/13/2010	8/13/2010	
Chlorobenzene	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Chloroethane	EPA 8260B MOD	10H1488	1.9	ND	1	8/13/2010	8/13/2010	
Chloroform	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
Chloromethane	EPA 8260B MOD	10H1488	2.4	ND	1	8/13/2010	8/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
Dibromochloromethane	EPA 8260B MOD	10H1488	0.59	ND	1	8/13/2010	8/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10H1488	0.65	ND	1	8/13/2010	8/13/2010	
Dibromomethane	EPA 8260B MOD	10H1488	0.70	ND	1	8/13/2010	8/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
1,1-Dichloropropene	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
Ethylbenzene	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10H1488	0.47	ND	1	8/13/2010	8/13/2010	
Isopropylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
Methylene chloride	EPA 8260B MOD	10H1488	1.4	ND	1	8/13/2010	8/13/2010	
Naphthalene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
Styrene	EPA 8260B MOD	10H1488	2.4	ND	1	8/13/2010	8/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10H1488	0.73	ND	1	8/13/2010	8/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10H1488	0.73	ND	1	8/13/2010	8/13/2010	
Tetrachloroethene	EPA 8260B MOD	10H1488	0.74	ND	1	8/13/2010	8/13/2010	
Toluene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10H1488	0.67	ND	1	8/13/2010	8/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10H1488	0.67	ND	1	8/13/2010	8/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10H1488	0.92	ND	1	8/13/2010	8/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10H1488	0.92	ND	1	8/13/2010	8/13/2010	
Trichloroethene	EPA 8260B MOD	10H1488	0.93	ND	1	8/13/2010	8/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10H1488	0.89	ND	1	8/13/2010	8/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
'nyl chloride	EPA 8260B MOD	10H1488	2.0	ND	1	8/13/2010	8/13/2010	
.,p-Xylenes	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
o-Xylene	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10H1488	1.4	ND	1	8/13/2010	8/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10H1488	17	ND	1	8/13/2010	8/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*86 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10H1488	1.6	**180**	1	8/13/2010	8/13/2010	
Bromobenzene	EPA 8260B MOD	10H1488	0.78	ND	1	8/13/2010	8/13/2010	
Bromochloromethane	EPA 8260B MOD	10H1488	0.94	ND	1	8/13/2010	8/13/2010	
Bromodichloromethane	EPA 8260B MOD	10H1488	0.75	ND	1	8/13/2010	8/13/2010	
Bromoform	EPA 8260B MOD	10H1488	0.48	ND	1	8/13/2010	8/13/2010	
Bromomethane	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
n-Butylbenzene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10H1488	0.79	ND	1	8/13/2010	8/13/2010	
Chlorobenzene	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Chloroethane	EPA 8260B MOD	10H1488	1.9	ND	1	8/13/2010	8/13/2010	
Chloroform	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
Chloromethane	EPA 8260B MOD	10H1488	2.4	ND	1	8/13/2010	8/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
Dibromochloromethane	EPA 8260B MOD	10H1488	0.59	ND	1	8/13/2010	8/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10H1488	0.65	ND	1	8/13/2010	8/13/2010	
Dibromomethane	EPA 8260B MOD	10H1488	0.70	ND	1	8/13/2010	8/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
1,1-Dichloropropene	EPA 8260B MOD	10H1488	1.1	ND	1	8/13/2010	8/13/2010	
Ethylbenzene	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10H1488	0.47	ND	1	8/13/2010	8/13/2010	
Isopropylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10H1488	0.91	ND	1	8/13/2010	8/13/2010	
Methylene chloride	EPA 8260B MOD	10H1488	1.4	ND	1	8/13/2010	8/13/2010	
Naphthalene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
Styrene	EPA 8260B MOD	10H1488	2.4	ND	1	8/13/2010	8/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10H1488	0.73	ND	1	8/13/2010	8/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10H1488	0.73	ND	1	8/13/2010	8/13/2010	
Tetrachloroethene	EPA 8260B MOD	10H1488	0.74	ND	1	8/13/2010	8/13/2010	
Toluene	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10H1488	0.67	ND	1	8/13/2010	8/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10H1488	0.67	ND	1	8/13/2010	8/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10H1488	0.92	ND	1	8/13/2010	8/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10H1488	0.92	ND	1	8/13/2010	8/13/2010	
Trichloroethene	EPA 8260B MOD	10H1488	0.93	ND	1	8/13/2010	8/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10H1488	0.89	ND	1	8/13/2010	8/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10H1488	0.83	ND	1	8/13/2010	8/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10H1488	1.0	ND	1	8/13/2010	8/13/2010	
'nyl chloride	EPA 8260B MOD	10H1488	2.0	ND	1	8/13/2010	8/13/2010	
..,p-Xylenes	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
o-Xylene	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10H1488	1.3	ND	1	8/13/2010	8/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10H1488	1.4	ND	1	8/13/2010	8/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10H1488	1.2	ND	1	8/13/2010	8/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10H1488	17	ND	1	8/13/2010	8/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10H1488	80	**1500**	50	8/13/2010	8/13/2010	
Bromobenzene	EPA 8260B MOD	10H1488	39	ND	50	8/13/2010	8/13/2010	
Bromochloromethane	EPA 8260B MOD	10H1488	47	ND	50	8/13/2010	8/13/2010	
Bromodichloromethane	EPA 8260B MOD	10H1488	38	ND	50	8/13/2010	8/13/2010	
Bromoform	EPA 8260B MOD	10H1488	24	ND	50	8/13/2010	8/13/2010	
Bromomethane	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
n-Butylbenzene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10H1488	40	ND	50	8/13/2010	8/13/2010	
Chlorobenzene	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Chloroethane	EPA 8260B MOD	10H1488	95	ND	50	8/13/2010	8/13/2010	
Chloroform	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
Chloromethane	EPA 8260B MOD	10H1488	120	ND	50	8/13/2010	8/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
Dibromochloromethane	EPA 8260B MOD	10H1488	30	ND	50	8/13/2010	8/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10H1488	32	ND	50	8/13/2010	8/13/2010	
Dibromomethane	EPA 8260B MOD	10H1488	35	ND	50	8/13/2010	8/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
1,1-Dichloropropene	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
Ethylbenzene	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10H1488	24	ND	50	8/13/2010	8/13/2010	
Isopropylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Methylene chloride	EPA 8260B MOD	10H1488	70	ND	50	8/13/2010	8/13/2010	
Naphthalene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
Styrene	EPA 8260B MOD	10H1488	120	ND	50	8/13/2010	8/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10H1488	36	ND	50	8/13/2010	8/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10H1488	36	ND	50	8/13/2010	8/13/2010	
Tetrachloroethene	EPA 8260B MOD	10H1488	37	ND	50	8/13/2010	8/13/2010	
Toluene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10H1488	34	ND	50	8/13/2010	8/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10H1488	34	ND	50	8/13/2010	8/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Trichloroethene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10H1488	44	ND	50	8/13/2010	8/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
'nyl chloride	EPA 8260B MOD	10H1488	100	ND	50	8/13/2010	8/13/2010	
..,p-Xylenes	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
o-Xylene	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10H1488	70	ND	50	8/13/2010	8/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10H1488	850	ND	50	8/13/2010	8/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*88 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10H1488	400	**16000**	250	8/13/2010	8/13/2010	
Bromobenzene	EPA 8260B MOD	10H1488	200	ND	250	8/13/2010	8/13/2010	
Bromochloromethane	EPA 8260B MOD	10H1488	240	ND	250	8/13/2010	8/13/2010	
Bromodichloromethane	EPA 8260B MOD	10H1488	190	ND	250	8/13/2010	8/13/2010	
Bromoform	EPA 8260B MOD	10H1488	120	ND	250	8/13/2010	8/13/2010	
Bromomethane	EPA 8260B MOD	10H1488	320	ND	250	8/13/2010	8/13/2010	
n-Butylbenzene	EPA 8260B MOD	10H1488	230	ND	250	8/13/2010	8/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10H1488	230	ND	250	8/13/2010	8/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10H1488	230	ND	250	8/13/2010	8/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10H1488	200	ND	250	8/13/2010	8/13/2010	
Chlorobenzene	EPA 8260B MOD	10H1488	300	ND	250	8/13/2010	8/13/2010	
Chloroethane	EPA 8260B MOD	10H1488	480	ND	250	8/13/2010	8/13/2010	
Chloroform	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
Chloromethane	EPA 8260B MOD	10H1488	600	ND	250	8/13/2010	8/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
Dibromochloromethane	EPA 8260B MOD	10H1488	150	ND	250	8/13/2010	8/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10H1488	160	ND	250	8/13/2010	8/13/2010	
Dibromomethane	EPA 8260B MOD	10H1488	180	ND	250	8/13/2010	8/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10H1488	210	ND	250	8/13/2010	8/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10H1488	210	ND	250	8/13/2010	8/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10H1488	210	ND	250	8/13/2010	8/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10H1488	300	ND	250	8/13/2010	8/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10H1488	300	ND	250	8/13/2010	8/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10H1488	320	ND	250	8/13/2010	8/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10H1488	320	ND	250	8/13/2010	8/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10H1488	320	ND	250	8/13/2010	8/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10H1488	280	ND	250	8/13/2010	8/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10H1488	280	ND	250	8/13/2010	8/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10H1488	280	ND	250	8/13/2010	8/13/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10H1488	280	ND	250	8/13/2010	8/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10H1488	280	ND	250	8/13/2010	8/13/2010	
1,1-Dichloropropene	EPA 8260B MOD	10H1488	280	ND	250	8/13/2010	8/13/2010	
Ethylbenzene	EPA 8260B MOD	10H1488	300	**500**	250	8/13/2010	8/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10H1488	120	ND	250	8/13/2010	8/13/2010	
Isopropylbenzene	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10H1488	230	ND	250	8/13/2010	8/13/2010	
Methylene chloride	EPA 8260B MOD	10H1488	350	ND	250	8/13/2010	8/13/2010	
Naphthalene	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	

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2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
Styrene	EPA 8260B MOD	10H1488	600	ND	250	8/13/2010	8/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10H1488	180	ND	250	8/13/2010	8/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10H1488	180	ND	250	8/13/2010	8/13/2010	
Tetrachloroethene	EPA 8260B MOD	10H1488	180	ND	250	8/13/2010	8/13/2010	
Toluene	EPA 8260B MOD	10H1488	320	ND	250	8/13/2010	8/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10H1488	170	ND	250	8/13/2010	8/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10H1488	170	ND	250	8/13/2010	8/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10H1488	230	ND	250	8/13/2010	8/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10H1488	230	ND	250	8/13/2010	8/13/2010	
Trichloroethene	EPA 8260B MOD	10H1488	230	ND	250	8/13/2010	8/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10H1488	220	ND	250	8/13/2010	8/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10H1488	210	ND	250	8/13/2010	8/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10H1488	250	ND	250	8/13/2010	8/13/2010	
·nyl chloride	EPA 8260B MOD	10H1488	500	ND	250	8/13/2010	8/13/2010	
..,p-Xylenes	EPA 8260B MOD	10H1488	300	ND	250	8/13/2010	8/13/2010	
o-Xylene	EPA 8260B MOD	10H1488	300	ND	250	8/13/2010	8/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10H1488	300	ND	250	8/13/2010	8/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10H1488	320	ND	250	8/13/2010	8/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10H1488	350	ND	250	8/13/2010	8/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10H1488	300	ND	250	8/13/2010	8/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10H1488	4200	ND	250	8/13/2010	8/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*92 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10H1488	80	**1400**	50	8/13/2010	8/13/2010	
Bromobenzene	EPA 8260B MOD	10H1488	39	ND	50	8/13/2010	8/13/2010	
Bromochloromethane	EPA 8260B MOD	10H1488	47	ND	50	8/13/2010	8/13/2010	
Bromodichloromethane	EPA 8260B MOD	10H1488	38	ND	50	8/13/2010	8/13/2010	
Bromoform	EPA 8260B MOD	10H1488	24	ND	50	8/13/2010	8/13/2010	
Bromomethane	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
n-Butylbenzene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10H1488	40	ND	50	8/13/2010	8/13/2010	
Chlorobenzene	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Chloroethane	EPA 8260B MOD	10H1488	95	ND	50	8/13/2010	8/13/2010	
Chloroform	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
Chloromethane	EPA 8260B MOD	10H1488	120	ND	50	8/13/2010	8/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
Dibromochloromethane	EPA 8260B MOD	10H1488	30	ND	50	8/13/2010	8/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10H1488	32	ND	50	8/13/2010	8/13/2010	
Dibromomethane	EPA 8260B MOD	10H1488	35	ND	50	8/13/2010	8/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
1,1-Dichloropropene	EPA 8260B MOD	10H1488	55	ND	50	8/13/2010	8/13/2010	
Ethylbenzene	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10H1488	24	ND	50	8/13/2010	8/13/2010	
Isopropylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Methylene chloride	EPA 8260B MOD	10H1488	70	ND	50	8/13/2010	8/13/2010	
Naphthalene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
Styrene	EPA 8260B MOD	10H1488	120	ND	50	8/13/2010	8/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10H1488	36	ND	50	8/13/2010	8/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10H1488	36	ND	50	8/13/2010	8/13/2010	
Tetrachloroethene	EPA 8260B MOD	10H1488	37	ND	50	8/13/2010	8/13/2010	
Toluene	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10H1488	34	ND	50	8/13/2010	8/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10H1488	34	ND	50	8/13/2010	8/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Trichloroethene	EPA 8260B MOD	10H1488	46	ND	50	8/13/2010	8/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10H1488	44	ND	50	8/13/2010	8/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10H1488	42	ND	50	8/13/2010	8/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10H1488	50	ND	50	8/13/2010	8/13/2010	
·nyl chloride	EPA 8260B MOD	10H1488	100	ND	50	8/13/2010	8/13/2010	
..,p-Xylenes	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
o-Xylene	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10H1488	65	ND	50	8/13/2010	8/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10H1488	70	ND	50	8/13/2010	8/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10H1488	60	ND	50	8/13/2010	8/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10H1488	850	ND	50	8/13/2010	8/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*86 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Project Manager

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH1181-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10H1563	0.10	**2.2**	1	8/13/2010	8/13/2010	
Carbon Monoxide	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Methane	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Nitrogen	ASTM D1946-90	10H1563	20	**78**	1	8/13/2010	8/13/2010	
Oxygen	ASTM D1946-90	10H1563	5.5	**20**	1	8/13/2010	8/13/2010	
Sample ID: ITH1181-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10H1563	0.10	**2.1**	1	8/13/2010	8/13/2010	
Carbon Monoxide	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Methane	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Nitrogen	ASTM D1946-90	10H1563	20	**78**	1	8/13/2010	8/13/2010	
Oxygen	ASTM D1946-90	10H1563	5.5	**20**	1	8/13/2010	8/13/2010	
Sample ID: ITH1181-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10H1563	0.10	**2.1**	1	8/13/2010	8/13/2010	
Carbon Monoxide	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Methane	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Nitrogen	ASTM D1946-90	10H1563	20	**78**	1	8/13/2010	8/13/2010	
Oxygen	ASTM D1946-90	10H1563	5.5	**20**	1	8/13/2010	8/13/2010	
Sample ID: ITH1181-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10H1563	0.10	**19**	1	8/13/2010	8/13/2010	
Carbon Monoxide	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Methane	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Nitrogen	ASTM D1946-90	10H1563	20	**72**	1	8/13/2010	8/13/2010	
Oxygen	ASTM D1946-90	10H1563	5.5	**8.4**	1	8/13/2010	8/13/2010	
Sample ID: ITH1181-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10H1563	0.10	**2.0**	1	8/13/2010	8/13/2010	
Carbon Monoxide	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Methane	ASTM D1946-90	10H1563	0.10	ND	1	8/13/2010	8/13/2010	
Nitrogen	ASTM D1946-90	10H1563	20	**78**	1	8/13/2010	8/13/2010	
Oxygen	ASTM D1946-90	10H1563	5.5	**20**	1	8/13/2010	8/13/2010	

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITH1181-01) - Air					
ASTM D1946-90	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 13:02	08/13/2010 13:02
EPA 8260B MOD	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 10:45	08/13/2010 11:47
Sample ID: Carbon 1 (ITH1181-02) - Air					
ASTM D1946-90	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 14:39	08/13/2010 14:39
EPA 8260B MOD	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 13:05	08/13/2010 16:22
Sample ID: Post Ambient Air (ITH1181-03) - Air					
ASTM D1946-90	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 16:31	08/13/2010 16:31
EPA 8260B MOD	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 10:55	08/13/2010 13:09
Sample ID: Inlet (ITH1181-04) - Air					
ASTM D1946-90	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 16:48	08/13/2010 16:48
EPA 8260B MOD	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 10:57	08/13/2010 13:37
Sample ID: Post Ambient Air Dup (ITH1181-05) - Air					
ASTM D1946-90	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 17:09	08/13/2010 17:09
EPA 8260B MOD	3	08/12/2010 12:00	08/12/2010 16:10	08/13/2010 11:00	08/13/2010 14:04

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10H1488 Extracted: 08/13/10										
Blank Analyzed: 08/13/2010 (10H1488-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
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Sampled: 08/12/10
Received: 08/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10II1488 Extracted: 08/13/10										
Blank Analyzed: 08/13/2010 (10H1488-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
luene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*7.09*		*ppmv*	*6.99*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*5.78*		*ppmv*	*6.37*		*91*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10H1488 Extracted: 08/13/10										
LCS Analyzed: 08/13/2010 (10H1488-BS1)										
Benzene	15.7	1.6	ppmv	15.7		100	70-120			
Bromobenzene	7.91	0.78	ppmv	7.79		102	75-120			
Bromochloromethane	8.72	0.94	ppmv	9.45		92	70-130			
Bromodichloromethane	7.30	0.75	ppmv	7.46		98	70-135			
Bromoform	3.50	0.48	ppmv	4.84		72	55-130			
Bromomethane	10.9	1.3	ppmv	12.9		85	65-140			
n-Butylbenzene	10.3	0.91	ppmv	9.11		113	70-130			
sec-Butylbenzene	10.3	0.91	ppmv	9.11		113	70-125			
tert-Butylbenzene	10.5	0.91	ppmv	9.11		115	70-125			
Carbon tetrachloride	7.91	0.79	ppmv	7.95		99	65-140			
Chlorobenzene	10.5	1.2	ppmv	10.9		96	75-120			
Chloroethane	18.9	1.9	ppmv	18.9		100	60-140			
Chloroform	9.43	1.0	ppmv	10.2		92	70-130			
Chloromethane	19.7	2.4	ppmv	24.2		81	50-140			
2-Chlorotoluene	10.6	1.0	ppmv	9.66		110	70-125			
4-Chlorotoluene	10.5	1.0	ppmv	9.66		109	75-125			
1,2-Dibromo-3-chloropropane	4.51	1.0	ppmv	5.17		87	50-135			
Dibromochloromethane	5.38	0.59	ppmv	5.87		92	70-140			
1,2-Dibromoethane (EDB)	6.05	0.65	ppmv	6.51		93	75-125			
Dibromomethane	6.47	0.70	ppmv	7.03		92	70-125			
1,2-Dichlorobenzene	8.43	0.83	ppmv	8.32		101	75-120			
1,3-Dichlorobenzene	8.69	0.83	ppmv	8.32		105	75-120			
1,4-Dichlorobenzene	8.35	0.83	ppmv	8.32		100	75-120			
Dichlorodifluoromethane	7.61	1.0	ppmv	10.1		75	35-155			
1,1-Dichloroethane	11.8	1.2	ppmv	12.4		96	70-125			
1,2-Dichloroethane	10.2	1.2	ppmv	12.4		83	60-140			
1,1-Dichloroethene	11.9	1.3	ppmv	12.6		94	70-125			
cis-1,2-Dichloroethene	12.6	1.3	ppmv	12.6		100	70-125			
trans-1,2-Dichloroethene	13.0	1.3	ppmv	12.6		103	70-125			
1,2-Dichloropropane	10.8	1.1	ppmv	10.8		100	70-125			
1,3-Dichloropropane	10.5	1.1	ppmv	10.8		97	70-120			
2,2-Dichloropropane	11.2	1.1	ppmv	10.8		104	65-140			
cis-1,3-Dichloropropene	10.8	1.1	ppmv	11.0		98	75-125			
trans-1,3-Dichloropropene	11.5	1.1	ppmv	11.0		104	70-125			
1,1-Dichloropropene	11.2	1.1	ppmv	11.0		101	75-130			
Ethylbenzene	12.0	1.2	ppmv	11.5		104	75-125			

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Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10H1488 Extracted: 08/13/10										
LCS Analyzed: 08/13/2010 (10H1488-BS1)										
Hexachlorobutadiene	4.46	0.47	ppmv	4.69		95	65-135			
Isopropylbenzene	11.5	1.0	ppmv	10.2		113	75-130			
p-Isopropyltoluene	10.2	0.91	ppmv	9.11		111	75-125			
Methylene chloride	12.8	1.4	ppmv	14.4		89	55-130			
Naphthalene	9.13	1.0	ppmv	9.54		96	55-135			
n-Propylbenzene	11.7	1.0	ppmv	10.2		115	75-130			
Styrene	12.5	2.4	ppmv	11.7		106	75-130			
1,1,1,2-Tetrachloroethane	6.75	0.73	ppmv	7.28		93	70-130			
1,1,2,2-Tetrachloroethane	7.01	0.73	ppmv	7.28		96	55-130			
Tetrachloroethene	7.39	0.74	ppmv	7.37		100	70-125			
luene	13.9	1.3	ppmv	13.3		104	70-120			
1,2,3-Trichlorobenzene	6.04	0.67	ppmv	6.74		90	65-125			
1,2,4-Trichlorobenzene	6.74	0.67	ppmv	6.74		100	70-135			
1,1,1-Trichloroethane	8.45	0.92	ppmv	9.16		92	65-135			
1,1,2-Trichloroethane	8.24	0.92	ppmv	9.16		90	70-125			
Trichloroethene	9.32	0.93	ppmv	9.30		100	70-125			
Trichlorofluoromethane	8.75	0.89	ppmv	8.90		98	65-145			
1,2,3-Trichloropropane	7.65	0.83	ppmv	8.29		92	60-130			
1,2,4-Trimethylbenzene	11.7	1.0	ppmv	10.2		115	75-125			
1,3,5-Trimethylbenzene	11.9	1.0	ppmv	10.2		117	75-125			
Vinyl chloride	19.1	2.0	ppmv	19.6		97	55-135			
m,p-Xylenes	25.3	1.2	ppmv	23.0		110	75-125			
Di-isopropyl Ether (DIPE)	12.2	1.2	ppmv	12.0		102	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.0	1.3	ppmv	12.0		101	65-135			
Methyl-tert-butyl Ether (MTBE)	13.5	1.4	ppmv	13.9		97	60-135			
tert-Amyl Methyl Ether (TAME)	12.5	1.2	ppmv	12.0		104	60-135			
tert-Butanol (TBA)	83.2	17	ppmv	82.5		101	70-135			
Surrogate: 4-Bromofluorobenzene	*6.89*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*5.89*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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Patty Mata
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10H1488 Extracted: 08/13/10										
Duplicate Analyzed: 08/13/2010 (10H1488-DUP1)					**Source: ITH1181-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10H1488 Extracted: 08/13/10										
Duplicate Analyzed: 08/13/2010 (10H1488-DUP1)					**Source: ITH1181-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		0.593				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
luene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*7.03*		*ppmv*	*6.99*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*5.57*		*ppmv*	*6.37*		*87*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10H1563 Extracted: 08/13/10										
Duplicate Analyzed: 08/13/2010 (10H1563-DUP1)					**Source: ITH1181-01**					
Carbon Dioxide	2.21	0.10	% by Volume		2.19			0.9	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.6	20	% by Volume		77.7			0.08	20	
Oxygen	20.2	5.5	% by Volume		20.2			0.2	20	

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C2 Rem	Project ID: 97-101, Shell	
2382 Southeast Bristol St., Ste. B	97-101, 20245 S Vermont, Torrance, CA	Sampled: 08/12/10
Newport Beach, CA 92660	Report Number: ITH1181	Received: 08/12/10
Attention: Stephan Klemm		

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITH1181

Sampled: 08/12/10
Received: 08/12/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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LAB: Test. ica STL Other_____

SHELL Chain Of Custody Record

Lab Identification (if necessary):
- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

Shell Project Manager to be invoiced: George Landreth

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT-HOUSTON

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

[ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 08/12/2010

PAGE: 1 of 1

SAMPLING COMPANY: C2 REM	LOG CODE:	SITE ADDRESS: Street and City: 20245 S. Vermont St., Torrance	State: CA
GLOBAL ID NO.:			
ADDRESS: 2382 S.E. Bristol, Suite B, Newport Beach, CA 92660	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.: 1-949-261-8098	E-MAIL: sklemm@c2rem.com
CONSULTANT PROJECT NO.: 97-101 (Del Amo SVE/IBT)			
PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm	SAMPLER NAME(S) (Print): SM / SA	LAB USE ONLY: 1344151	
TELEPHONE: (949) 261-8098	FAX: (949) 261-8097	E-MAIL: sklemm@c2rem.com	

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet ~~and Inlet Dup are high~~ sample is concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946	TEMPERATURE ON RECEIPT C°
	Effluent	8/12/10	12:00	Air	1 Tedlar														X	X	
	Carbon 1	8/12/10	12:00	Air	1 Tedlar														X	X	
	Post Ambient Air	8/12/10	12:00	Air	1 Tedlar														X	X	
	Inlet	8/12/10	12:00	Air	1 Tedlar														X	X	
	~~Inlet Dup~~ Post Ambient Air Dup	8/12/10	12:00	Air	1 Tedlar														X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Stephanie Avila	Date: 8/12/10	Time: 12:10

11/18/05 Revision

Q&Q Graphic (714) 898-9702

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THE LEADER IN ENVIRONMENTAL TESTING
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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 09/09/10
Received: 09/09/10
Issued: 09/21/10 13:22

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITI0808-01	Effluent	Air
ITI0808-02	Carbon 1	Air
ITI0808-03	Post Ambient Air	Air
ITI0808-04	Inlet	Air
ITI0808-05	Post Ambient Air Dup.	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10I0949	1.6	ND	1	9/10/2010	9/10/2010	
Bromobenzene	EPA 8260B MOD	10I0949	0.78	ND	1	9/10/2010	9/10/2010	
Bromochloromethane	EPA 8260B MOD	10I0949	0.94	ND	1	9/10/2010	9/10/2010	
Bromodichloromethane	EPA 8260B MOD	10I0949	0.75	ND	1	9/10/2010	9/10/2010	
Bromoform	EPA 8260B MOD	10I0949	0.48	ND	1	9/10/2010	9/10/2010	
Bromomethane	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
n-Butylbenzene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
sec-Butylbenzene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
tert-Butylbenzene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
Carbon tetrachloride	EPA 8260B MOD	10I0949	0.79	ND	1	9/10/2010	9/10/2010	
Chlorobenzene	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Chloroethane	EPA 8260B MOD	10I0949	1.9	ND	1	9/10/2010	9/10/2010	
Chloroform	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
Chloromethane	EPA 8260B MOD	10I0949	2.4	ND	1	9/10/2010	9/10/2010	
2-Chlorotoluene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
4-Chlorotoluene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
Dibromochloromethane	EPA 8260B MOD	10I0949	0.59	ND	1	9/10/2010	9/10/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10I0949	0.65	ND	1	9/10/2010	9/10/2010	
Dibromomethane	EPA 8260B MOD	10I0949	0.70	ND	1	9/10/2010	9/10/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
1,1-Dichloroethane	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
1,2-Dichloroethane	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
1,1-Dichloroethene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
1,2-Dichloropropane	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
1,3-Dichloropropane	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
2,2-Dichloropropane	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
1,1-Dichloropropene	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
Ethylbenzene	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Hexachlorobutadiene	EPA 8260B MOD	10I0949	0.47	ND	1	9/10/2010	9/10/2010	
Isopropylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
p-Isopropyltoluene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
Methylene chloride	EPA 8260B MOD	10I0949	1.4	ND	1	9/10/2010	9/10/2010	
Naphthalene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
Styrene	EPA 8260B MOD	10I0949	2.4	ND	1	9/10/2010	9/10/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10I0949	0.73	ND	1	9/10/2010	9/10/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10I0949	0.73	ND	1	9/10/2010	9/10/2010	
Tetrachloroethene	EPA 8260B MOD	10I0949	0.74	ND	1	9/10/2010	9/10/2010	
Toluene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10I0949	0.67	ND	1	9/10/2010	9/10/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10I0949	0.67	ND	1	9/10/2010	9/10/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10I0949	0.92	ND	1	9/10/2010	9/10/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10I0949	0.92	ND	1	9/10/2010	9/10/2010	
Trichloroethene	EPA 8260B MOD	10I0949	0.93	ND	1	9/10/2010	9/10/2010	
Trichlorofluoromethane	EPA 8260B MOD	10I0949	0.89	ND	1	9/10/2010	9/10/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
...nyl chloride	EPA 8260B MOD	10I0949	2.0	ND	1	9/10/2010	9/10/2010	
...,p-Xylenes	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
o-Xylene	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10I0949	1.4	ND	1	9/10/2010	9/10/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10I0949	17	ND	1	9/10/2010	9/10/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10I0949	1.6	ND	1	9/10/2010	9/10/2010	
Bromobenzene	EPA 8260B MOD	10I0949	0.78	ND	1	9/10/2010	9/10/2010	
Bromochloromethane	EPA 8260B MOD	10I0949	0.94	ND	1	9/10/2010	9/10/2010	
Bromodichloromethane	EPA 8260B MOD	10I0949	0.75	ND	1	9/10/2010	9/10/2010	
Bromoform	EPA 8260B MOD	10I0949	0.48	ND	1	9/10/2010	9/10/2010	
Bromomethane	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
n-Butylbenzene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
sec-Butylbenzene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
tert-Butylbenzene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
Carbon tetrachloride	EPA 8260B MOD	10I0949	0.79	ND	1	9/10/2010	9/10/2010	
Chlorobenzene	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Chloroethane	EPA 8260B MOD	10I0949	1.9	ND	1	9/10/2010	9/10/2010	
Chloroform	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
Chloromethane	EPA 8260B MOD	10I0949	2.4	ND	1	9/10/2010	9/10/2010	
2-Chlorotoluene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
4-Chlorotoluene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
Dibromochloromethane	EPA 8260B MOD	10I0949	0.59	ND	1	9/10/2010	9/10/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10I0949	0.65	ND	1	9/10/2010	9/10/2010	
Dibromomethane	EPA 8260B MOD	10I0949	0.70	ND	1	9/10/2010	9/10/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
1,1-Dichloroethane	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
1,2-Dichloroethane	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
1,1-Dichloroethene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
1,2-Dichloropropane	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
1,3-Dichloropropane	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
2,2-Dichloropropane	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
1,1-Dichloropropene	EPA 8260B MOD	10I0949	1.1	ND	1	9/10/2010	9/10/2010	
Ethylbenzene	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Hexachlorobutadiene	EPA 8260B MOD	10I0949	0.47	ND	1	9/10/2010	9/10/2010	
Isopropylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
p-Isopropyltoluene	EPA 8260B MOD	10I0949	0.91	ND	1	9/10/2010	9/10/2010	
Methylene chloride	EPA 8260B MOD	10I0949	1.4	ND	1	9/10/2010	9/10/2010	
Naphthalene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
Styrene	EPA 8260B MOD	10I0949	2.4	ND	1	9/10/2010	9/10/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10I0949	0.73	ND	1	9/10/2010	9/10/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10I0949	0.73	ND	1	9/10/2010	9/10/2010	
Tetrachloroethene	EPA 8260B MOD	10I0949	0.74	ND	1	9/10/2010	9/10/2010	
Toluene	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10I0949	0.67	ND	1	9/10/2010	9/10/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10I0949	0.67	ND	1	9/10/2010	9/10/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10I0949	0.92	ND	1	9/10/2010	9/10/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10I0949	0.92	ND	1	9/10/2010	9/10/2010	
Trichloroethene	EPA 8260B MOD	10I0949	0.93	ND	1	9/10/2010	9/10/2010	
Trichlorofluoromethane	EPA 8260B MOD	10I0949	0.89	ND	1	9/10/2010	9/10/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10I0949	0.83	ND	1	9/10/2010	9/10/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10I0949	1.0	ND	1	9/10/2010	9/10/2010	
nyl chloride	EPA 8260B MOD	10I0949	2.0	ND	1	9/10/2010	9/10/2010	
,p-Xylenes	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
o-Xylene	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10I0949	1.3	ND	1	9/10/2010	9/10/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10I0949	1.4	ND	1	9/10/2010	9/10/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10I0949	1.2	ND	1	9/10/2010	9/10/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10I0949	17	ND	1	9/10/2010	9/10/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10I0949	80	**2800**	50	9/10/2010	9/10/2010	
Bromobenzene	EPA 8260B MOD	10I0949	39	ND	50	9/10/2010	9/10/2010	
Bromochloromethane	EPA 8260B MOD	10I0949	47	ND	50	9/10/2010	9/10/2010	
Bromodichloromethane	EPA 8260B MOD	10I0949	38	ND	50	9/10/2010	9/10/2010	
Bromoform	EPA 8260B MOD	10I0949	24	ND	50	9/10/2010	9/10/2010	
Bromomethane	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
n-Butylbenzene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
sec-Butylbenzene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
tert-Butylbenzene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Carbon tetrachloride	EPA 8260B MOD	10I0949	40	ND	50	9/10/2010	9/10/2010	
Chlorobenzene	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
Chloroethane	EPA 8260B MOD	10I0949	95	ND	50	9/10/2010	9/10/2010	
Chloroform	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
Chloromethane	EPA 8260B MOD	10I0949	120	ND	50	9/10/2010	9/10/2010	
2-Chlorotoluene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
4-Chlorotoluene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
Dibromochloromethane	EPA 8260B MOD	10I0949	30	ND	50	9/10/2010	9/10/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10I0949	32	ND	50	9/10/2010	9/10/2010	
Dibromomethane	EPA 8260B MOD	10I0949	35	ND	50	9/10/2010	9/10/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
1,1-Dichloroethane	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
1,2-Dichloroethane	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
1,1-Dichloroethene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
1,2-Dichloropropane	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
1,3-Dichloropropane	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
2,2-Dichloropropane	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
1,1-Dichloropropene	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
Ethylbenzene	EPA 8260B MOD	10I0949	60	**110**	50	9/10/2010	9/10/2010	
Hexachlorobutadiene	EPA 8260B MOD	10I0949	24	ND	50	9/10/2010	9/10/2010	
Isopropylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
p-Isopropyltoluene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Methylene chloride	EPA 8260B MOD	10I0949	70	ND	50	9/10/2010	9/10/2010	
Naphthalene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
Styrene	EPA 8260B MOD	10I0949	120	ND	50	9/10/2010	9/10/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10I0949	36	ND	50	9/10/2010	9/10/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10I0949	36	ND	50	9/10/2010	9/10/2010	
Tetrachloroethene	EPA 8260B MOD	10I0949	37	ND	50	9/10/2010	9/10/2010	
Toluene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10I0949	34	ND	50	9/10/2010	9/10/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10I0949	34	ND	50	9/10/2010	9/10/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Trichloroethene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Trichlorofluoromethane	EPA 8260B MOD	10I0949	44	ND	50	9/10/2010	9/10/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
'nyl chloride	EPA 8260B MOD	10I0949	100	ND	50	9/10/2010	9/10/2010	
..,p-Xylenes	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
o-Xylene	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10I0949	70	ND	50	9/10/2010	9/10/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10I0949	850	ND	50	9/10/2010	9/10/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10I1118	80	**4900**	50	9/11/2010	9/11/2010	
Bromobenzene	EPA 8260B MOD	10I1118	39	ND	50	9/11/2010	9/11/2010	
Bromochloromethane	EPA 8260B MOD	10I1118	47	ND	50	9/11/2010	9/11/2010	
Bromodichloromethane	EPA 8260B MOD	10I1118	38	ND	50	9/11/2010	9/11/2010	
Bromoform	EPA 8260B MOD	10I1118	24	ND	50	9/11/2010	9/11/2010	
Bromomethane	EPA 8260B MOD	10I1118	65	ND	50	9/11/2010	9/11/2010	
n-Butylbenzene	EPA 8260B MOD	10I1118	46	ND	50	9/11/2010	9/11/2010	
sec-Butylbenzene	EPA 8260B MOD	10I1118	46	ND	50	9/11/2010	9/11/2010	
tert-Butylbenzene	EPA 8260B MOD	10I1118	46	ND	50	9/11/2010	9/11/2010	
Carbon tetrachloride	EPA 8260B MOD	10I1118	40	ND	50	9/11/2010	9/11/2010	
Chlorobenzene	EPA 8260B MOD	10I1118	60	ND	50	9/11/2010	9/11/2010	
Chloroethane	EPA 8260B MOD	10I1118	95	ND	50	9/11/2010	9/11/2010	
Chloroform	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
Chloromethane	EPA 8260B MOD	10I1118	120	ND	50	9/11/2010	9/11/2010	
2-Chlorotoluene	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
4-Chlorotoluene	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
Dibromochloromethane	EPA 8260B MOD	10I1118	30	ND	50	9/11/2010	9/11/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10I1118	32	ND	50	9/11/2010	9/11/2010	
Dibromomethane	EPA 8260B MOD	10I1118	35	ND	50	9/11/2010	9/11/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10I1118	42	ND	50	9/11/2010	9/11/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10I1118	42	ND	50	9/11/2010	9/11/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10I1118	42	ND	50	9/11/2010	9/11/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
1,1-Dichloroethane	EPA 8260B MOD	10I1118	60	ND	50	9/11/2010	9/11/2010	
1,2-Dichloroethane	EPA 8260B MOD	10I1118	60	ND	50	9/11/2010	9/11/2010	
1,1-Dichloroethene	EPA 8260B MOD	10I1118	65	ND	50	9/11/2010	9/11/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10I1118	65	ND	50	9/11/2010	9/11/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10I1118	65	ND	50	9/11/2010	9/11/2010	
1,2-Dichloropropane	EPA 8260B MOD	10I1118	55	ND	50	9/11/2010	9/11/2010	
1,3-Dichloropropane	EPA 8260B MOD	10I1118	55	ND	50	9/11/2010	9/11/2010	
2,2-Dichloropropane	EPA 8260B MOD	10I1118	55	ND	50	9/11/2010	9/11/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10I1118	55	ND	50	9/11/2010	9/11/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10I1118	55	ND	50	9/11/2010	9/11/2010	
1,1-Dichloropropene	EPA 8260B MOD	10I1118	55	ND	50	9/11/2010	9/11/2010	
Ethylbenzene	EPA 8260B MOD	10I1118	60	**120**	50	9/11/2010	9/11/2010	
Hexachlorobutadiene	EPA 8260B MOD	10I1118	24	ND	50	9/11/2010	9/11/2010	
Isopropylbenzene	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
p-Isopropyltoluene	EPA 8260B MOD	10I1118	46	ND	50	9/11/2010	9/11/2010	
Methylene chloride	EPA 8260B MOD	10I1118	70	ND	50	9/11/2010	9/11/2010	
Naphthalene	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
Styrene	EPA 8260B MOD	10I1118	120	ND	50	9/11/2010	9/11/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10I1118	36	ND	50	9/11/2010	9/11/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10I1118	36	ND	50	9/11/2010	9/11/2010	
Tetrachloroethene	EPA 8260B MOD	10I1118	37	ND	50	9/11/2010	9/11/2010	
Toluene	EPA 8260B MOD	10I1118	65	ND	50	9/11/2010	9/11/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10I1118	34	ND	50	9/11/2010	9/11/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10I1118	34	ND	50	9/11/2010	9/11/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10I1118	46	ND	50	9/11/2010	9/11/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10I1118	46	ND	50	9/11/2010	9/11/2010	
Trichloroethene	EPA 8260B MOD	10I1118	46	ND	50	9/11/2010	9/11/2010	
Trichlorofluoromethane	EPA 8260B MOD	10I1118	44	ND	50	9/11/2010	9/11/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10I1118	42	ND	50	9/11/2010	9/11/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10I1118	50	ND	50	9/11/2010	9/11/2010	
nyl chloride	EPA 8260B MOD	10I1118	100	ND	50	9/11/2010	9/11/2010	
m,p-Xylenes	EPA 8260B MOD	10I1118	60	ND	50	9/11/2010	9/11/2010	
o-Xylene	EPA 8260B MOD	10I1118	60	ND	50	9/11/2010	9/11/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10I1118	60	ND	50	9/11/2010	9/11/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10I1118	65	ND	50	9/11/2010	9/11/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10I1118	70	ND	50	9/11/2010	9/11/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10I1118	60	ND	50	9/11/2010	9/11/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10I1118	850	ND	50	9/11/2010	9/11/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-05 (Post Ambient Air Dup. - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10I0949	80	**2700**	50	9/10/2010	9/10/2010	
Bromobenzene	EPA 8260B MOD	10I0949	39	ND	50	9/10/2010	9/10/2010	
Bromochloromethane	EPA 8260B MOD	10I0949	47	ND	50	9/10/2010	9/10/2010	
Bromodichloromethane	EPA 8260B MOD	10I0949	38	ND	50	9/10/2010	9/10/2010	
Bromoform	EPA 8260B MOD	10I0949	24	ND	50	9/10/2010	9/10/2010	
Bromomethane	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
n-Butylbenzene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
sec-Butylbenzene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
tert-Butylbenzene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Carbon tetrachloride	EPA 8260B MOD	10I0949	40	ND	50	9/10/2010	9/10/2010	
Chlorobenzene	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
Chloroethane	EPA 8260B MOD	10I0949	95	ND	50	9/10/2010	9/10/2010	
Chloroform	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
Chloromethane	EPA 8260B MOD	10I0949	120	ND	50	9/10/2010	9/10/2010	
2-Chlorotoluene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
4-Chlorotoluene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
Dibromochloromethane	EPA 8260B MOD	10I0949	30	ND	50	9/10/2010	9/10/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10I0949	32	ND	50	9/10/2010	9/10/2010	
Dibromomethane	EPA 8260B MOD	10I0949	35	ND	50	9/10/2010	9/10/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
1,1-Dichloroethane	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
1,2-Dichloroethane	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
1,1-Dichloroethene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
1,2-Dichloropropane	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
1,3-Dichloropropane	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
2,2-Dichloropropane	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
1,1-Dichloropropene	EPA 8260B MOD	10I0949	55	ND	50	9/10/2010	9/10/2010	
Ethylbenzene	EPA 8260B MOD	10I0949	60	**100**	50	9/10/2010	9/10/2010	
Hexachlorobutadiene	EPA 8260B MOD	10I0949	24	ND	50	9/10/2010	9/10/2010	
Isopropylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
p-Isopropyltoluene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Methylene chloride	EPA 8260B MOD	10I0949	70	ND	50	9/10/2010	9/10/2010	
Naphthalene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	

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2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-05 (Post Ambient Air Dup. - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
Styrene	EPA 8260B MOD	10I0949	120	ND	50	9/10/2010	9/10/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10I0949	36	ND	50	9/10/2010	9/10/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10I0949	36	ND	50	9/10/2010	9/10/2010	
Tetrachloroethene	EPA 8260B MOD	10I0949	37	ND	50	9/10/2010	9/10/2010	
Toluene	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10I0949	34	ND	50	9/10/2010	9/10/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10I0949	34	ND	50	9/10/2010	9/10/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Trichloroethene	EPA 8260B MOD	10I0949	46	ND	50	9/10/2010	9/10/2010	
Trichlorofluoromethane	EPA 8260B MOD	10I0949	44	ND	50	9/10/2010	9/10/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10I0949	42	ND	50	9/10/2010	9/10/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10I0949	50	ND	50	9/10/2010	9/10/2010	
nyl chloride	EPA 8260B MOD	10I0949	100	ND	50	9/10/2010	9/10/2010	
m,p-Xylenes	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
o-Xylene	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10I0949	65	ND	50	9/10/2010	9/10/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10I0949	70	ND	50	9/10/2010	9/10/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10I0949	60	ND	50	9/10/2010	9/10/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10I0949	850	ND	50	9/10/2010	9/10/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0808-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10I1135	0.10	**2.7**	1	9/11/2010	9/11/2010	
Carbon Monoxide	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Methane	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Nitrogen	ASTM D1946-90	10I1135	20	**77**	1	9/11/2010	9/11/2010	
Oxygen	ASTM D1946-90	10I1135	5.5	**20**	1	9/11/2010	9/11/2010	
Sample ID: ITI0808-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10I1135	0.10	**1.8**	1	9/11/2010	9/11/2010	
Carbon Monoxide	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Methane	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Nitrogen	ASTM D1946-90	10I1135	20	**78**	1	9/11/2010	9/11/2010	
Oxygen	ASTM D1946-90	10I1135	5.5	**20**	1	9/11/2010	9/11/2010	
Sample ID: ITI0808-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10I1135	0.10	**2.3**	1	9/11/2010	9/11/2010	
Carbon Monoxide	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Methane	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Nitrogen	ASTM D1946-90	10I1135	20	**78**	1	9/11/2010	9/11/2010	
Oxygen	ASTM D1946-90	10I1135	5.5	**20**	1	9/11/2010	9/11/2010	
Sample ID: ITI0808-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10I1135	0.10	**13**	1	9/11/2010	9/11/2010	
Carbon Monoxide	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Methane	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Nitrogen	ASTM D1946-90	10I1135	20	**75**	1	9/11/2010	9/11/2010	
Oxygen	ASTM D1946-90	10I1135	5.5	**12**	1	9/11/2010	9/11/2010	
Sample ID: ITI0808-05 (Post Ambient Air Dup. - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10I1135	0.10	**2.3**	1	9/11/2010	9/11/2010	
Carbon Monoxide	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Methane	ASTM D1946-90	10I1135	0.10	ND	1	9/11/2010	9/11/2010	
Nitrogen	ASTM D1946-90	10I1135	20	**78**	1	9/11/2010	9/11/2010	
Oxygen	ASTM D1946-90	10I1135	5.5	**20**	1	9/11/2010	9/11/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITI0808-01) - Air					
ASTM D1946-90	3	09/09/2010 13:30	09/09/2010 17:30	09/11/2010 19:29	09/11/2010 19:29
EPA 8260B MOD	3	09/09/2010 13:30	09/09/2010 17:30	09/10/2010 08:47	09/10/2010 10:23
Sample ID: Carbon 1 (ITI0808-02) - Air					
ASTM D1946-90	3	09/09/2010 13:30	09/09/2010 17:30	09/11/2010 19:46	09/11/2010 19:46
EPA 8260B MOD	3	09/09/2010 13:30	09/09/2010 17:30	09/10/2010 10:13	09/10/2010 15:03
Sample ID: Post Ambient Air (ITI0808-03) - Air					
ASTM D1946-90	3	09/09/2010 13:30	09/09/2010 17:30	09/11/2010 20:04	09/11/2010 20:04
EPA 8260B MOD	3	09/09/2010 13:30	09/09/2010 17:30	09/10/2010 09:10	09/10/2010 09:27
Sample ID: Inlet (ITI0808-04) - Air					
ASTM D1946-90	3	09/09/2010 13:30	09/09/2010 17:30	09/11/2010 20:22	09/11/2010 20:22
EPA 8260B MOD	3	09/09/2010 13:30	09/09/2010 17:30	09/11/2010 12:24	09/11/2010 12:54
Sample ID: Post Ambient Air Dup. (ITI0808-05) - Air					
ASTM D1946-90	3	09/09/2010 13:30	09/09/2010 17:30	09/11/2010 20:41	09/11/2010 20:41
EPA 8260B MOD	3	09/09/2010 13:30	09/09/2010 17:30	09/10/2010 09:19	09/10/2010 11:19

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0949 Extracted: 09/10/10										
Blank Analyzed: 09/10/2010 (10I0949-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0949 Extracted: 09/10/10										
Blank Analyzed: 09/10/2010 (10I0949-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
luene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.67*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*5.95*		*ppmv*	*6.37*		*93*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*102*	*80-120*			

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Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING
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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0949 Extracted: 09/10/10										
LCS Analyzed: 09/10/2010 (10I0949-BS1)										
Benzene	16.1	1.6	ppmv	15.7		103	70-120			
Bromobenzene	7.77	0.78	ppmv	7.79		100	75-120			
Bromochloromethane	9.62	0.94	ppmv	9.45		102	70-130			
Bromodichloromethane	8.00	0.75	ppmv	7.46		107	70-135			
Bromoform	4.90	0.48	ppmv	4.84		101	55-130			
Bromomethane	11.2	1.3	ppmv	12.9		87	65-140			
n-Butylbenzene	8.92	0.91	ppmv	9.11		98	70-130			
sec-Butylbenzene	9.06	0.91	ppmv	9.11		100	70-125			
tert-Butylbenzene	8.97	0.91	ppmv	9.11		98	70-125			
Carbon tetrachloride	8.01	0.79	ppmv	7.95		101	65-140			
Chlorobenzene	11.1	1.2	ppmv	10.9		102	75-120			
Chloroethane	17.1	1.9	ppmv	18.9		90	60-140			
Chloroform	9.91	1.0	ppmv	10.2		97	70-130			
Chloromethane	18.7	2.4	ppmv	24.2		77	50-140			
2-Chlorotoluene	9.37	1.0	ppmv	9.66		97	70-125			
4-Chlorotoluene	9.54	1.0	ppmv	9.66		99	75-125			
1,2-Dibromo-3-chloropropane	5.15	1.0	ppmv	5.17		99	50-135			
Dibromochloromethane	6.42	0.59	ppmv	5.87		109	70-140			
1,2-Dibromoethane (EDB)	6.40	0.65	ppmv	6.51		98	75-125			
Dibromomethane	7.03	0.70	ppmv	7.03		100	70-125			
1,2-Dichlorobenzene	8.49	0.83	ppmv	8.32		102	75-120			
1,3-Dichlorobenzene	8.56	0.83	ppmv	8.32		103	75-120			
1,4-Dichlorobenzene	8.42	0.83	ppmv	8.32		101	75-120			
Dichlorodifluoromethane	6.92	1.0	ppmv	10.1		68	35-155			
1,1-Dichloroethane	12.3	1.2	ppmv	12.4		99	70-125			
1,2-Dichloroethane	12.2	1.2	ppmv	12.4		99	60-140			
1,1-Dichloroethene	12.4	1.3	ppmv	12.6		99	70-125			
cis-1,2-Dichloroethene	12.6	1.3	ppmv	12.6		100	70-125			
trans-1,2-Dichloroethene	12.3	1.3	ppmv	12.6		98	70-125			
1,2-Dichloropropane	10.7	1.1	ppmv	10.8		99	70-125			
1,3-Dichloropropane	10.9	1.1	ppmv	10.8		101	70-120			
2,2-Dichloropropane	11.4	1.1	ppmv	10.8		106	65-140			
cis-1,3-Dichloropropene	11.2	1.1	ppmv	11.0		102	75-125			
trans-1,3-Dichloropropene	11.7	1.1	ppmv	11.0		106	70-125			
1,1-Dichloropropene	11.2	1.1	ppmv	11.0		102	75-130			
Ethylbenzene	12.1	1.2	ppmv	11.5		105	75-125			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0949 Extracted: 09/10/10										
LCS Analyzed: 09/10/2010 (10I0949-BS1)										
Hexachlorobutadiene	5.29	0.47	ppmv	4.69		113	65-135			
Isopropylbenzene	10.1	1.0	ppmv	10.2		99	75-130			
p-Isopropyltoluene	8.87	0.91	ppmv	9.11		97	75-125			
Methylene chloride	13.2	1.4	ppmv	14.4		92	55-130			
Naphthalene	9.62	1.0	ppmv	9.54		101	55-135			
n-Propylbenzene	9.96	1.0	ppmv	10.2		98	75-130			
Styrene	11.7	2.4	ppmv	11.7		99	75-130			
1,1,1,2-Tetrachloroethane	7.57	0.73	ppmv	7.28		104	70-130			
1,1,2,2-Tetrachloroethane	7.04	0.73	ppmv	7.28		97	55-130			
Tetrachloroethene	7.85	0.74	ppmv	7.37		107	70-125			
luene	13.0	1.3	ppmv	13.3		98	70-120			
1,2,3-Trichlorobenzene	6.92	0.67	ppmv	6.74		103	65-125			
1,2,4-Trichlorobenzene	7.13	0.67	ppmv	6.74		106	70-135			
1,1,1-Trichloroethane	8.92	0.92	ppmv	9.16		97	65-135			
1,1,2-Trichloroethane	9.16	0.92	ppmv	9.16		100	70-125			
Trichloroethene	9.32	0.93	ppmv	9.30		100	70-125			
Trichlorofluoromethane	9.24	0.89	ppmv	8.90		104	65-145			
1,2,3-Trichloropropane	7.64	0.83	ppmv	8.29		92	60-130			
1,2,4-Trimethylbenzene	10.1	1.0	ppmv	10.2		99	75-125			
1,3,5-Trimethylbenzene	10.1	1.0	ppmv	10.2		100	75-125			
Vinyl chloride	16.3	2.0	ppmv	19.6		84	55-135			
m,p-Xylenes	23.7	1.2	ppmv	23.0		103	75-125			
Di-isopropyl Ether (DIPE)	12.3	1.2	ppmv	12.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.9	1.3	ppmv	12.0		100	65-135			
Methyl-tert-butyl Ether (MTBE)	13.8	1.4	ppmv	13.9		99	60-135			
tert-Amyl Methyl Ether (TAME)	12.2	1.2	ppmv	12.0		102	60-135			
tert-Butanol (TBA)	86.2	17	ppmv	82.5		105	70-135			
Surrogate: 4-Bromofluorobenzene	*6.92*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*5.98*		*ppmv*	*6.37*		*94*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*101*	*80-120*			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0949 Extracted: 09/10/10										
Duplicate Analyzed: 09/10/2010 (10I0949-DUP1)					**Source: ITI0808-03**					
Benzene	2690	80	ppmv		2770			3	20	
Bromobenzene	ND	39	ppmv		ND				20	
Bromochloromethane	ND	47	ppmv		ND				20	
Bromodichloromethane	ND	38	ppmv		ND				20	
Bromoform	ND	24	ppmv		ND				25	
Bromomethane	ND	65	ppmv		ND				20	
n-Butylbenzene	ND	46	ppmv		ND				20	
sec-Butylbenzene	ND	46	ppmv		ND				20	
tert-Butylbenzene	ND	46	ppmv		ND				20	
Carbon tetrachloride	ND	40	ppmv		ND				25	
Chlorobenzene	ND	60	ppmv		ND				20	
Chloroethane	ND	95	ppmv		ND				20	
Chloroform	ND	50	ppmv		ND				20	
Chloromethane	ND	120	ppmv		ND				25	
2-Chlorotoluene	ND	50	ppmv		ND				20	
4-Chlorotoluene	ND	50	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	50	ppmv		ND				30	
Dibromochloromethane	ND	30	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	32	ppmv		ND				20	
Dibromomethane	ND	35	ppmv		ND				20	
1,2-Dichlorobenzene	ND	42	ppmv		ND				20	
1,3-Dichlorobenzene	ND	42	ppmv		ND				20	
1,4-Dichlorobenzene	ND	42	ppmv		ND				20	
Dichlorodifluoromethane	ND	50	ppmv		ND				30	
1,1-Dichloroethane	ND	60	ppmv		ND				20	
1,2-Dichloroethane	ND	60	ppmv		ND				20	
1,1-Dichloroethene	ND	65	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	65	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	65	ppmv		ND				20	
1,2-Dichloropropane	ND	55	ppmv		ND				20	
1,3-Dichloropropane	ND	55	ppmv		ND				20	
2,2-Dichloropropane	ND	55	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	55	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	55	ppmv		ND				20	
1,1-Dichloropropene	ND	55	ppmv		ND				20	
Ethylbenzene	97.9	60	ppmv		108			10	20	

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0949 Extracted: 09/10/10										
Duplicate Analyzed: 09/10/2010 (10I0949-DUP1)					**Source: ITI0808-03**					
Hexachlorobutadiene	ND	24	ppmv		ND				20	
Isopropylbenzene	ND	50	ppmv		ND				20	
p-Isopropyltoluene	ND	46	ppmv		ND				20	
Methylene chloride	ND	70	ppmv		ND				20	
Naphthalene	ND	50	ppmv		ND				25	
n-Propylbenzene	ND	50	ppmv		ND				20	
Styrene	ND	120	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	36	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	36	ppmv		ND				25	
Tetrachloroethene	ND	37	ppmv		ND				20	
luene	10.9	65	ppmv		11.7			7	20	
1,2,3-Trichlorobenzene	ND	34	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	34	ppmv		ND				20	
1,1,1-Trichloroethane	ND	46	ppmv		ND				20	
1,1,2-Trichloroethane	ND	46	ppmv		ND				20	
Trichloroethene	ND	46	ppmv		ND				20	
Trichlorofluoromethane	ND	44	ppmv		ND				20	
1,2,3-Trichloropropane	ND	42	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	50	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	50	ppmv		ND				20	
Vinyl chloride	ND	100	ppmv		ND				30	
m,p-Xylenes	ND	60	ppmv		ND				20	
o-Xylene	ND	60	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	60	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	65	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	70	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	60	ppmv		54.8				25	
tert-Butanol (TBA)	ND	850	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.71*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*6.03*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*101*	*80-120*			

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Patty Mata
Project Manager

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C2 Rem
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1118 Extracted: 09/11/10										
Blank Analyzed: 09/11/2010 (10I1118-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1118 Extracted: 09/11/10										
Blank Analyzed: 09/11/2010 (10I1118-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
uene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.65*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.05*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*ppmv*	*12.2*		*101*	*80-120*			

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1118 Extracted: 09/11/10										
LCS Analyzed: 09/11/2010 (10I1118-BS1)										
Benzene	17.4	1.6	ppmv	15.7		111	70-120			
Bromobenzene	8.69	0.78	ppmv	7.79		112	75-120			
Bromochloromethane	10.1	0.94	ppmv	9.45		107	70-130			
Bromodichloromethane	8.13	0.75	ppmv	7.46		109	70-135			
Bromoform	4.39	0.48	ppmv	4.84		91	55-130			
Bromomethane	12.5	1.3	ppmv	12.9		97	65-140			
n-Butylbenzene	10.5	0.91	ppmv	9.11		116	70-130			
sec-Butylbenzene	11.0	0.91	ppmv	9.11		120	70-125			
tert-Butylbenzene	10.8	0.91	ppmv	9.11		119	70-125			
Carbon tetrachloride	9.38	0.79	ppmv	7.95		118	65-140			
Chlorobenzene	12.3	1.2	ppmv	10.9		113	75-120			
Chloroethane	18.6	1.9	ppmv	18.9		98	60-140			
Chloroform	10.5	1.0	ppmv	10.2		102	70-130			
Chloromethane	18.9	2.4	ppmv	24.2		78	50-140			
2-Chlorotoluene	11.1	1.0	ppmv	9.66		115	70-125			
4-Chlorotoluene	10.9	1.0	ppmv	9.66		113	75-125			
1,2-Dibromo-3-chloropropane	5.52	1.0	ppmv	5.17		107	50-135			
Dibromochloromethane	6.32	0.59	ppmv	5.87		108	70-140			
1,2-Dibromoethane (EDB)	7.00	0.65	ppmv	6.51		108	75-125			
Dibromomethane	7.71	0.70	ppmv	7.03		110	70-125			
1,2-Dichlorobenzene	9.61	0.83	ppmv	8.32		116	75-120			
1,3-Dichlorobenzene	9.90	0.83	ppmv	8.32		119	75-120			
1,4-Dichlorobenzene	9.49	0.83	ppmv	8.32		114	75-120			
Dichlorodifluoromethane	7.29	1.0	ppmv	10.1		72	35-155			
1,1-Dichloroethane	13.0	1.2	ppmv	12.4		105	70-125			
1,2-Dichloroethane	12.5	1.2	ppmv	12.4		102	60-140			
1,1-Dichloroethene	13.7	1.3	ppmv	12.6		108	70-125			
cis-1,2-Dichloroethene	14.1	1.3	ppmv	12.6		112	70-125			
trans-1,2-Dichloroethene	14.1	1.3	ppmv	12.6		112	70-125			
1,2-Dichloropropane	11.8	1.1	ppmv	10.8		109	70-125			
1,3-Dichloropropane	11.6	1.1	ppmv	10.8		108	70-120			
2,2-Dichloropropane	12.9	1.1	ppmv	10.8		119	65-140			
cis-1,3-Dichloropropene	12.2	1.1	ppmv	11.0		110	75-125			
trans-1,3-Dichloropropene	12.6	1.1	ppmv	11.0		114	70-125			
1,1-Dichloropropene	12.7	1.1	ppmv	11.0		115	75-130			
Ethylbenzene	13.3	1.2	ppmv	11.5		115	75-125			

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1118 Extracted: 09/11/10										
LCS Analyzed: 09/11/2010 (10I1118-BS1)										
Hexachlorobutadiene	5.54	0.47	ppmv	4.69		118	65-135			
Isopropylbenzene	11.9	1.0	ppmv	10.2		117	75-130			
p-Isopropyltoluene	10.9	0.91	ppmv	9.11		119	75-125			
Methylene chloride	14.3	1.4	ppmv	14.4		100	55-130			
Naphthalene	10.3	1.0	ppmv	9.54		108	55-135			
n-Propylbenzene	11.8	1.0	ppmv	10.2		116	75-130			
Styrene	13.3	2.4	ppmv	11.7		114	75-130			
1,1,1,2-Tetrachloroethane	7.84	0.73	ppmv	7.28		108	70-130			
1,1,2,2-Tetrachloroethane	8.36	0.73	ppmv	7.28		115	55-130			
Tetrachloroethene	8.47	0.74	ppmv	7.37		115	70-125			
uene	14.7	1.3	ppmv	13.3		111	70-120			
1,2,3-Trichlorobenzene	7.47	0.67	ppmv	6.74		111	65-125			
1,2,4-Trichlorobenzene	7.72	0.67	ppmv	6.74		115	70-135			
1,1,1-Trichloroethane	9.98	0.92	ppmv	9.16		109	65-135			
1,1,2-Trichloroethane	10.1	0.92	ppmv	9.16		110	70-125			
Trichloroethene	10.6	0.93	ppmv	9.30		114	70-125			
Trichlorofluoromethane	9.70	0.89	ppmv	8.90		109	65-145			
1,2,3-Trichloropropane	8.95	0.83	ppmv	8.29		108	60-130			
1,2,4-Trimethylbenzene	12.5	1.0	ppmv	10.2		123	75-125			
1,3,5-Trimethylbenzene	12.2	1.0	ppmv	10.2		120	75-125			
Vinyl chloride	17.1	2.0	ppmv	19.6		88	55-135			
m,p-Xylenes	26.1	1.2	ppmv	23.0		113	75-125			
Di-isopropyl Ether (DIPE)	11.7	1.2	ppmv	12.0		97	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.9	1.3	ppmv	12.0		100	65-135			
Methyl-tert-butyl Ether (MTBE)	14.2	1.4	ppmv	13.9		102	60-135			
tert-Amyl Methyl Ether (TAME)	11.9	1.2	ppmv	12.0		99	60-135			
tert-Butanol (TBA)	104	17	ppmv	82.5		127	70-135			
Surrogate: 4-Bromofluorobenzene	*6.68*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*5.99*		*ppmv*	*6.37*		*94*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*104*	*80-120*			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1118 Extracted: 09/11/10										
Duplicate Analyzed: 09/11/2010 (10I1118-DUP1)					**Source: ITI0925-01**					
Benzene	0.883	1.6	ppmv		0.851			4	20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	0.124	0.91	ppmv		0.113			9	20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	3.36	1.2	ppmv		3.30			2	20	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1118 Extracted: 09/11/10										
Duplicate Analyzed: 09/11/2010 (10I1118-DUP1)					**Source: ITI0925-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	0.342	1.0	ppmv		0.313			9	20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	1.11	1.0	ppmv		0.993			11	20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
Toluene	9.38	1.3	ppmv		9.02			4	20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	7.37	1.0	ppmv		6.35			15	20	
1,3,5-Trimethylbenzene	2.88	1.0	ppmv		2.64			8	20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	18.1	1.2	ppmv		17.5			3	20	
o-Xylene	6.80	1.2	ppmv		6.63			3	20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.75*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.15*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITI0808

Sampled: 09/09/10
Received: 09/09/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1135 Extracted: 09/11/10										
Duplicate Analyzed: 09/11/2010 (10I1135-DUP1)					**Source: ITI0828-01**					
Carbon Dioxide	ND	0.10	% by Volume		ND				20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	78.3	20	% by Volume		78.3			0.04	20	
Oxygen	21.7	5.5	% by Volume		21.7			0.1	20	

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITI0808	Sampled: 09/09/10 Received: 09/09/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

:stAmerica Irvine

Patty Mata
Project Manager

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITI0808	Sampled: 09/09/10 Received: 09/09/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test ica STL Other_____

Lab Identification (if necessary):

- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennessee
- [ ] STL
- [ ] Other (location)_____

SHL _ Chain Of Custody Record

Shell Project Manager to be invoiced: George Landreth

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT-HOUSTON
- [ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY)

SAP or CRMT NUMBER (TS/CRMT)

DATE: 09/09/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
2382 S.E. Bristol, Suite B, Newport Beach, CA 92660		1-949-261-8098	sklemm@c2rem.com	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Stefan Klemm	(949) 261-8098	(949) 261-8097	sklemm@c2rem.com

SAMPLER NAME(S) (Print): SA / CA

LAB USE ONLY: IIE 0808

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet ~~and Inlet Dup are~~ high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946						TEMPERATURE ON RECEIPT C°
	Effluent	09/09/10	13:30	Air	1 Tedlar														X	X						
	Carbon 1	↓	↓	Air	1 Tedlar														X	X						
	Post Ambient Air			Air	1 Tedlar														X	X						
	Inlet			Air	1 Tedlar														X	X						
	~~Inlet Dup~~ Post Ambient Air Dup.	↓	↓	Air	1 Tedlar														X	X						18:08 9/9/10 NR

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		09/09/2010	17:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

11/18/05 Revision

RT

Q&Q Graphic (714) 898-9702

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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 10/12/10
Received: 10/12/10
Issued: 10/26/10 14:37

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITJ1221-01	Effluent	Air
ITJ1221-02	Carbon 1	Air
ITJ1221-03	Post Ambient Air	Air
ITJ1221-04	Inlet	Air
ITJ1221-05	Post Ambient Air Dup	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10J1334	1.6	ND	1	10/13/2010	10/13/2010	
Bromobenzene	EPA 8260B MOD	10J1334	0.78	ND	1	10/13/2010	10/13/2010	
Bromochloromethane	EPA 8260B MOD	10J1334	0.94	ND	1	10/13/2010	10/13/2010	
Bromodichloromethane	EPA 8260B MOD	10J1334	0.75	ND	1	10/13/2010	10/13/2010	
Bromoform	EPA 8260B MOD	10J1334	0.48	ND	1	10/13/2010	10/13/2010	
Bromomethane	EPA 8260B MOD	10J1334	1.3	ND	1	10/13/2010	10/13/2010	
n-Butylbenzene	EPA 8260B MOD	10J1334	0.91	ND	1	10/13/2010	10/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10J1334	0.91	ND	1	10/13/2010	10/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10J1334	0.91	ND	1	10/13/2010	10/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10J1334	0.79	ND	1	10/13/2010	10/13/2010	C, L
Chlorobenzene	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
Chloroethane	EPA 8260B MOD	10J1334	1.9	ND	1	10/13/2010	10/13/2010	
Chloroform	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
Chloromethane	EPA 8260B MOD	10J1334	2.4	ND	1	10/13/2010	10/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
Dibromochloromethane	EPA 8260B MOD	10J1334	0.59	ND	1	10/13/2010	10/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10J1334	0.65	ND	1	10/13/2010	10/13/2010	
Dibromomethane	EPA 8260B MOD	10J1334	0.70	ND	1	10/13/2010	10/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10J1334	0.83	ND	1	10/13/2010	10/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10J1334	0.83	ND	1	10/13/2010	10/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10J1334	0.83	ND	1	10/13/2010	10/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10J1334	1.3	ND	1	10/13/2010	10/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10J1334	1.3	ND	1	10/13/2010	10/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10J1334	1.3	ND	1	10/13/2010	10/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10J1334	1.1	ND	1	10/13/2010	10/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10J1334	1.1	ND	1	10/13/2010	10/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10J1334	1.1	ND	1	10/13/2010	10/13/2010	L
cis-1,3-Dichloropropene	EPA 8260B MOD	10J1334	1.1	ND	1	10/13/2010	10/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10J1334	1.1	ND	1	10/13/2010	10/13/2010	C, L
1,1-Dichloropropene	EPA 8260B MOD	10J1334	1.1	ND	1	10/13/2010	10/13/2010	
Ethylbenzene	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10J1334	0.47	ND	1	10/13/2010	10/13/2010	
Isopropylbenzene	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10J1334	0.91	ND	1	10/13/2010	10/13/2010	
Methylene chloride	EPA 8260B MOD	10J1334	1.4	ND	1	10/13/2010	10/13/2010	
Naphthalene	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	

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Project Manager

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VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
Styrene	EPA 8260B MOD	10J1334	2.4	ND	1	10/13/2010	10/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10J1334	0.73	ND	1	10/13/2010	10/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10J1334	0.73	ND	1	10/13/2010	10/13/2010	
Tetrachloroethene	EPA 8260B MOD	10J1334	0.74	ND	1	10/13/2010	10/13/2010	
Toluene	EPA 8260B MOD	10J1334	1.3	ND	1	10/13/2010	10/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10J1334	0.67	ND	1	10/13/2010	10/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10J1334	0.67	ND	1	10/13/2010	10/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10J1334	0.92	ND	1	10/13/2010	10/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10J1334	0.92	ND	1	10/13/2010	10/13/2010	
Trichloroethene	EPA 8260B MOD	10J1334	0.93	ND	1	10/13/2010	10/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10J1334	0.89	ND	1	10/13/2010	10/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10J1334	0.83	ND	1	10/13/2010	10/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10J1334	1.0	ND	1	10/13/2010	10/13/2010	
nyl chloride	EPA 8260B MOD	10J1334	2.0	ND	1	10/13/2010	10/13/2010	
m,p-Xylenes	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
o-Xylene	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10J1334	1.3	ND	1	10/13/2010	10/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10J1334	1.4	ND	1	10/13/2010	10/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10J1334	1.2	ND	1	10/13/2010	10/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10J1334	17	ND	1	10/13/2010	10/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10J1344	1.6	ND	1	10/13/2010	10/14/2010	
Bromobenzene	EPA 8260B MOD	10J1344	0.78	ND	1	10/13/2010	10/14/2010	
Bromochloromethane	EPA 8260B MOD	10J1344	0.94	ND	1	10/13/2010	10/14/2010	
Bromodichloromethane	EPA 8260B MOD	10J1344	0.75	ND	1	10/13/2010	10/14/2010	
Bromoform	EPA 8260B MOD	10J1344	0.48	ND	1	10/13/2010	10/14/2010	
Bromomethane	EPA 8260B MOD	10J1344	1.3	ND	1	10/13/2010	10/14/2010	
n-Butylbenzene	EPA 8260B MOD	10J1344	0.91	ND	1	10/13/2010	10/14/2010	
sec-Butylbenzene	EPA 8260B MOD	10J1344	0.91	ND	1	10/13/2010	10/14/2010	
tert-Butylbenzene	EPA 8260B MOD	10J1344	0.91	ND	1	10/13/2010	10/14/2010	
Carbon tetrachloride	EPA 8260B MOD	10J1344	0.79	ND	1	10/13/2010	10/14/2010	
Chlorobenzene	EPA 8260B MOD	10J1344	1.2	ND	1	10/13/2010	10/14/2010	
Chloroethane	EPA 8260B MOD	10J1344	1.9	ND	1	10/13/2010	10/14/2010	
Chloroform	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
Chloromethane	EPA 8260B MOD	10J1344	2.4	ND	1	10/13/2010	10/14/2010	
2-Chlorotoluene	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
4-Chlorotoluene	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
Dibromochloromethane	EPA 8260B MOD	10J1344	0.59	ND	1	10/13/2010	10/14/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10J1344	0.65	ND	1	10/13/2010	10/14/2010	
Dibromomethane	EPA 8260B MOD	10J1344	0.70	ND	1	10/13/2010	10/14/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10J1344	0.83	ND	1	10/13/2010	10/14/2010	C
1,3-Dichlorobenzene	EPA 8260B MOD	10J1344	0.83	ND	1	10/13/2010	10/14/2010	C
1,4-Dichlorobenzene	EPA 8260B MOD	10J1344	0.83	ND	1	10/13/2010	10/14/2010	C
Dichlorodifluoromethane	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
1,1-Dichloroethane	EPA 8260B MOD	10J1344	1.2	ND	1	10/13/2010	10/14/2010	
1,2-Dichloroethane	EPA 8260B MOD	10J1344	1.2	ND	1	10/13/2010	10/14/2010	
1,1-Dichloroethene	EPA 8260B MOD	10J1344	1.3	ND	1	10/13/2010	10/14/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10J1344	1.3	ND	1	10/13/2010	10/14/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10J1344	1.3	ND	1	10/13/2010	10/14/2010	
1,2-Dichloropropane	EPA 8260B MOD	10J1344	1.1	ND	1	10/13/2010	10/14/2010	
1,3-Dichloropropane	EPA 8260B MOD	10J1344	1.1	ND	1	10/13/2010	10/14/2010	
2,2-Dichloropropane	EPA 8260B MOD	10J1344	1.1	ND	1	10/13/2010	10/14/2010	L, C
cis-1,3-Dichloropropene	EPA 8260B MOD	10J1344	1.1	ND	1	10/13/2010	10/14/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10J1344	1.1	ND	1	10/13/2010	10/14/2010	
1,1-Dichloropropene	EPA 8260B MOD	10J1344	1.1	ND	1	10/13/2010	10/14/2010	
Ethylbenzene	EPA 8260B MOD	10J1344	1.2	ND	1	10/13/2010	10/14/2010	
Hexachlorobutadiene	EPA 8260B MOD	10J1344	0.47	ND	1	10/13/2010	10/14/2010	C
Isopropylbenzene	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
p-Isopropyltoluene	EPA 8260B MOD	10J1344	0.91	ND	1	10/13/2010	10/14/2010	
Methylene chloride	EPA 8260B MOD	10J1344	1.4	ND	1	10/13/2010	10/14/2010	
Naphthalene	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	

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VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
Styrene	EPA 8260B MOD	10J1344	2.4	ND	1	10/13/2010	10/14/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10J1344	0.73	ND	1	10/13/2010	10/14/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10J1344	0.73	ND	1	10/13/2010	10/14/2010	
Tetrachloroethene	EPA 8260B MOD	10J1344	0.74	ND	1	10/13/2010	10/14/2010	
Toluene	EPA 8260B MOD	10J1344	1.3	**1.9**	1	10/13/2010	10/14/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10J1344	0.67	ND	1	10/13/2010	10/14/2010	C
1,2,4-Trichlorobenzene	EPA 8260B MOD	10J1344	0.67	ND	1	10/13/2010	10/14/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10J1344	0.92	ND	1	10/13/2010	10/14/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10J1344	0.92	ND	1	10/13/2010	10/14/2010	
Trichloroethene	EPA 8260B MOD	10J1344	0.93	ND	1	10/13/2010	10/14/2010	
Trichlorofluoromethane	EPA 8260B MOD	10J1344	0.89	ND	1	10/13/2010	10/14/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10J1344	0.83	ND	1	10/13/2010	10/14/2010	C
1,2,4-Trimethylbenzene	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10J1344	1.0	ND	1	10/13/2010	10/14/2010	
'nyl chloride	EPA 8260B MOD	10J1344	2.0	ND	1	10/13/2010	10/14/2010	
.n,p-Xylenes	EPA 8260B MOD	10J1344	1.2	**3.0**	1	10/13/2010	10/14/2010	
o-Xylene	EPA 8260B MOD	10J1344	1.2	ND	1	10/13/2010	10/14/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10J1344	1.2	ND	1	10/13/2010	10/14/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10J1344	1.3	ND	1	10/13/2010	10/14/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10J1344	1.4	ND	1	10/13/2010	10/14/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10J1344	1.2	ND	1	10/13/2010	10/14/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10J1344	17	ND	1	10/13/2010	10/14/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*114 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10J1334	80	**1100**	50	10/13/2010	10/13/2010	
Bromobenzene	EPA 8260B MOD	10J1334	39	ND	50	10/13/2010	10/13/2010	
Bromochloromethane	EPA 8260B MOD	10J1334	47	ND	50	10/13/2010	10/13/2010	
Bromodichloromethane	EPA 8260B MOD	10J1334	38	ND	50	10/13/2010	10/13/2010	
Bromoform	EPA 8260B MOD	10J1334	24	ND	50	10/13/2010	10/13/2010	
Bromomethane	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
n-Butylbenzene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10J1334	40	ND	50	10/13/2010	10/13/2010	C, L
Chlorobenzene	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
Chloroethane	EPA 8260B MOD	10J1334	95	ND	50	10/13/2010	10/13/2010	
Chloroform	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
Chloromethane	EPA 8260B MOD	10J1334	120	ND	50	10/13/2010	10/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
Dibromochloromethane	EPA 8260B MOD	10J1334	30	ND	50	10/13/2010	10/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10J1334	32	ND	50	10/13/2010	10/13/2010	
Dibromomethane	EPA 8260B MOD	10J1334	35	ND	50	10/13/2010	10/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	L
cis-1,3-Dichloropropene	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	C, L
1,1-Dichloropropene	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
Ethylbenzene	EPA 8260B MOD	10J1334	60	**73**	50	10/13/2010	10/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10J1334	24	ND	50	10/13/2010	10/13/2010	
Isopropylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Methylene chloride	EPA 8260B MOD	10J1334	70	ND	50	10/13/2010	10/13/2010	
Naphthalene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	

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2382 Southeast Bristol St., Ste. B
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
Styrene	EPA 8260B MOD	10J1334	120	ND	50	10/13/2010	10/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10J1334	36	ND	50	10/13/2010	10/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10J1334	36	ND	50	10/13/2010	10/13/2010	
Tetrachloroethene	EPA 8260B MOD	10J1334	37	ND	50	10/13/2010	10/13/2010	
Toluene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10J1334	34	ND	50	10/13/2010	10/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10J1334	34	ND	50	10/13/2010	10/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Trichloroethene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10J1334	44	ND	50	10/13/2010	10/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
'nyl chloride	EPA 8260B MOD	10J1334	100	ND	50	10/13/2010	10/13/2010	
m,p-Xylenes	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
o-Xylene	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10J1334	70	ND	50	10/13/2010	10/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10J1334	850	ND	50	10/13/2010	10/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10J1334	320	**12000**	200	10/13/2010	10/13/2010	
Bromobenzene	EPA 8260B MOD	10J1334	160	ND	200	10/13/2010	10/13/2010	
Bromochloromethane	EPA 8260B MOD	10J1334	190	ND	200	10/13/2010	10/13/2010	
Bromodichloromethane	EPA 8260B MOD	10J1334	150	ND	200	10/13/2010	10/13/2010	
Bromoform	EPA 8260B MOD	10J1334	96	ND	200	10/13/2010	10/13/2010	
Bromomethane	EPA 8260B MOD	10J1334	260	ND	200	10/13/2010	10/13/2010	
n-Butylbenzene	EPA 8260B MOD	10J1334	180	ND	200	10/13/2010	10/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10J1334	180	ND	200	10/13/2010	10/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10J1334	180	ND	200	10/13/2010	10/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10J1334	160	ND	200	10/13/2010	10/13/2010	C, L
Chlorobenzene	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
Chloroethane	EPA 8260B MOD	10J1334	380	ND	200	10/13/2010	10/13/2010	
Chloroform	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
Chloromethane	EPA 8260B MOD	10J1334	480	ND	200	10/13/2010	10/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
Dibromochloromethane	EPA 8260B MOD	10J1334	120	ND	200	10/13/2010	10/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10J1334	130	ND	200	10/13/2010	10/13/2010	
Dibromomethane	EPA 8260B MOD	10J1334	140	ND	200	10/13/2010	10/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10J1334	170	ND	200	10/13/2010	10/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10J1334	170	ND	200	10/13/2010	10/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10J1334	170	ND	200	10/13/2010	10/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10J1334	260	ND	200	10/13/2010	10/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10J1334	260	ND	200	10/13/2010	10/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10J1334	260	ND	200	10/13/2010	10/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10J1334	220	ND	200	10/13/2010	10/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10J1334	220	ND	200	10/13/2010	10/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10J1334	220	ND	200	10/13/2010	10/13/2010	L
cis-1,3-Dichloropropene	EPA 8260B MOD	10J1334	220	ND	200	10/13/2010	10/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10J1334	220	ND	200	10/13/2010	10/13/2010	C, L
1,1-Dichloropropene	EPA 8260B MOD	10J1334	220	ND	200	10/13/2010	10/13/2010	
Ethylbenzene	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10J1334	94	ND	200	10/13/2010	10/13/2010	
Isopropylbenzene	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10J1334	180	ND	200	10/13/2010	10/13/2010	
Methylene chloride	EPA 8260B MOD	10J1334	280	ND	200	10/13/2010	10/13/2010	
Naphthalene	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
Styrene	EPA 8260B MOD	10J1334	480	ND	200	10/13/2010	10/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10J1334	150	ND	200	10/13/2010	10/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10J1334	150	ND	200	10/13/2010	10/13/2010	
Tetrachloroethene	EPA 8260B MOD	10J1334	150	ND	200	10/13/2010	10/13/2010	
Toluene	EPA 8260B MOD	10J1334	260	ND	200	10/13/2010	10/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10J1334	130	ND	200	10/13/2010	10/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10J1334	130	ND	200	10/13/2010	10/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10J1334	180	ND	200	10/13/2010	10/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10J1334	180	ND	200	10/13/2010	10/13/2010	
Trichloroethene	EPA 8260B MOD	10J1334	190	ND	200	10/13/2010	10/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10J1334	180	ND	200	10/13/2010	10/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10J1334	170	ND	200	10/13/2010	10/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10J1334	200	ND	200	10/13/2010	10/13/2010	
·inyl chloride	EPA 8260B MOD	10J1334	400	ND	200	10/13/2010	10/13/2010	
.n,p-Xylenes	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
o-Xylene	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10J1334	260	ND	200	10/13/2010	10/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10J1334	280	ND	200	10/13/2010	10/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10J1334	240	ND	200	10/13/2010	10/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10J1334	3400	ND	200	10/13/2010	10/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10J1334	80	**1200**	50	10/13/2010	10/13/2010	
Bromobenzene	EPA 8260B MOD	10J1334	39	ND	50	10/13/2010	10/13/2010	
Bromochloromethane	EPA 8260B MOD	10J1334	47	ND	50	10/13/2010	10/13/2010	
Bromodichloromethane	EPA 8260B MOD	10J1334	38	ND	50	10/13/2010	10/13/2010	
Bromoform	EPA 8260B MOD	10J1334	24	ND	50	10/13/2010	10/13/2010	
Bromomethane	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
n-Butylbenzene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
sec-Butylbenzene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
tert-Butylbenzene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Carbon tetrachloride	EPA 8260B MOD	10J1334	40	ND	50	10/13/2010	10/13/2010	C, L
Chlorobenzene	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
Chloroethane	EPA 8260B MOD	10J1334	95	ND	50	10/13/2010	10/13/2010	
Chloroform	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
Chloromethane	EPA 8260B MOD	10J1334	120	ND	50	10/13/2010	10/13/2010	
2-Chlorotoluene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
4-Chlorotoluene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
Dibromochloromethane	EPA 8260B MOD	10J1334	30	ND	50	10/13/2010	10/13/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10J1334	32	ND	50	10/13/2010	10/13/2010	
Dibromomethane	EPA 8260B MOD	10J1334	35	ND	50	10/13/2010	10/13/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
1,1-Dichloroethane	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
1,2-Dichloroethane	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
1,1-Dichloroethene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
1,2-Dichloropropane	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
1,3-Dichloropropane	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
2,2-Dichloropropane	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	L
cis-1,3-Dichloropropene	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	C, L
1,1-Dichloropropene	EPA 8260B MOD	10J1334	55	ND	50	10/13/2010	10/13/2010	
Ethylbenzene	EPA 8260B MOD	10J1334	60	**95**	50	10/13/2010	10/13/2010	
Hexachlorobutadiene	EPA 8260B MOD	10J1334	24	ND	50	10/13/2010	10/13/2010	
Isopropylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
p-Isopropyltoluene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Methylene chloride	EPA 8260B MOD	10J1334	70	ND	50	10/13/2010	10/13/2010	
Naphthalene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
Styrene	EPA 8260B MOD	10J1334	120	ND	50	10/13/2010	10/13/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10J1334	36	ND	50	10/13/2010	10/13/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10J1334	36	ND	50	10/13/2010	10/13/2010	
Tetrachloroethene	EPA 8260B MOD	10J1334	37	ND	50	10/13/2010	10/13/2010	
Toluene	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10J1334	34	ND	50	10/13/2010	10/13/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10J1334	34	ND	50	10/13/2010	10/13/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Trichloroethene	EPA 8260B MOD	10J1334	46	ND	50	10/13/2010	10/13/2010	
Trichlorofluoromethane	EPA 8260B MOD	10J1334	44	ND	50	10/13/2010	10/13/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10J1334	42	ND	50	10/13/2010	10/13/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10J1334	50	ND	50	10/13/2010	10/13/2010	
inyl chloride	EPA 8260B MOD	10J1334	100	ND	50	10/13/2010	10/13/2010	
m,p-Xylenes	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
o-Xylene	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10J1334	65	ND	50	10/13/2010	10/13/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10J1334	70	ND	50	10/13/2010	10/13/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10J1334	60	ND	50	10/13/2010	10/13/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10J1334	850	ND	50	10/13/2010	10/13/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1221-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10J1564	0.10	**2.5**	1	10/14/2010	10/14/2010	
Carbon Monoxide	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Methane	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Nitrogen	ASTM D1946-90	10J1564	20	**78**	1	10/14/2010	10/14/2010	
Oxygen	ASTM D1946-90	10J1564	5.5	**20**	1	10/14/2010	10/14/2010	
Sample ID: ITJ1221-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10J1564	0.10	**2.4**	1	10/14/2010	10/14/2010	
Carbon Monoxide	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Methane	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Nitrogen	ASTM D1946-90	10J1564	20	**78**	1	10/14/2010	10/14/2010	
Oxygen	ASTM D1946-90	10J1564	5.5	**20**	1	10/14/2010	10/14/2010	
Sample ID: ITJ1221-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10J1564	0.10	**2.4**	1	10/14/2010	10/14/2010	
Carbon Monoxide	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Methane	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Nitrogen	ASTM D1946-90	10J1564	20	**78**	1	10/14/2010	10/14/2010	
Oxygen	ASTM D1946-90	10J1564	5.5	**20**	1	10/14/2010	10/14/2010	
Sample ID: ITJ1221-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10J1564	0.10	**19**	1	10/14/2010	10/14/2010	
Carbon Monoxide	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Methane	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Nitrogen	ASTM D1946-90	10J1564	20	**74**	1	10/14/2010	10/14/2010	
Oxygen	ASTM D1946-90	10J1564	5.5	**7.1**	1	10/14/2010	10/14/2010	
Sample ID: ITJ1221-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10J1564	0.10	**2.6**	1	10/14/2010	10/14/2010	
Carbon Monoxide	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Methane	ASTM D1946-90	10J1564	0.10	ND	1	10/14/2010	10/14/2010	
Nitrogen	ASTM D1946-90	10J1564	20	**78**	1	10/14/2010	10/14/2010	
Oxygen	ASTM D1946-90	10J1564	5.5	**20**	1	10/14/2010	10/14/2010	

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITJ1221-01) - Air					
ASTM D1946-90	3	10/12/2010 15:00	10/12/2010 18:00	10/14/2010 13:14	10/14/2010 13:14
EPA 8260B MOD	3	10/12/2010 15:00	10/12/2010 18:00	10/13/2010 09:50	10/13/2010 11:50
Sample ID: Carbon 1 (ITJ1221-02) - Air					
ASTM D1946-90	3	10/12/2010 15:00	10/12/2010 18:00	10/14/2010 15:02	10/14/2010 15:02
EPA 8260B MOD	3	10/12/2010 15:00	10/12/2010 18:00	10/13/2010 20:00	10/14/2010 03:55
Sample ID: Post Ambient Air (ITJ1221-03) - Air					
ASTM D1946-90	3	10/12/2010 15:00	10/12/2010 18:00	10/14/2010 14:08	10/14/2010 14:08
EPA 8260B MOD	3	10/12/2010 15:00	10/12/2010 18:00	10/13/2010 12:17	10/13/2010 13:13
Sample ID: Inlet (ITJ1221-04) - Air					
ASTM D1946-90	3	10/12/2010 15:00	10/12/2010 18:00	10/14/2010 14:25	10/14/2010 14:25
EPA 8260B MOD	3	10/12/2010 15:00	10/12/2010 18:00	10/13/2010 12:20	10/13/2010 13:41
Sample ID: Post Ambient Air Dup (ITJ1221-05) - Air					
ASTM D1946-90	3	10/12/2010 15:00	10/12/2010 18:00	10/14/2010 14:44	10/14/2010 14:44
EPA 8260B MOD	3	10/12/2010 15:00	10/12/2010 18:00	10/13/2010 12:23	10/13/2010 14:09

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Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1334 Extracted: 10/13/10										
Blank Analyzed: 10/13/2010 (10J1334-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1334 Extracted: 10/13/10										
Blank Analyzed: 10/13/2010 (10J1334-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
Toluene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*7.37*		*ppmv*	*6.99*		*106*	*80-120*			
Surrogate: Dibromofluoromethane	*6.07*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*13.1*		*ppmv*	*12.2*		*108*	*80-120*			

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Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1334 Extracted: 10/13/10										
LCS Analyzed: 10/13/2010 (10J1334-BS1)										
Benzene	15.0	1.6	ppmv	15.7		96	70-120			
Bromobenzene	8.13	0.78	ppmv	7.79		104	75-120			
Bromochloromethane	8.75	0.94	ppmv	9.45		93	70-130			
Bromodichloromethane	9.99	0.75	ppmv	7.46		134	70-135			
Bromoform	5.74	0.48	ppmv	4.84		119	55-130			
Bromomethane	13.3	1.3	ppmv	12.9		103	65-140			
n-Butylbenzene	9.26	0.91	ppmv	9.11		102	70-130			
sec-Butylbenzene	9.68	0.91	ppmv	9.11		106	70-125			
tert-Butylbenzene	9.84	0.91	ppmv	9.11		108	70-125			
Carbon tetrachloride	12.8	0.79	ppmv	7.95		160	65-140			*L*
Chlorobenzene	10.5	1.2	ppmv	10.9		96	75-120			
Chloroethane	15.3	1.9	ppmv	18.9		81	60-140			
Chloroform	10.9	1.0	ppmv	10.2		107	70-130			
Chloromethane	16.3	2.4	ppmv	24.2		67	50-140			
2-Chlorotoluene	10.1	1.0	ppmv	9.66		104	70-125			
4-Chlorotoluene	10.3	1.0	ppmv	9.66		107	75-125			
1,2-Dibromo-3-chloropropane	6.42	1.0	ppmv	5.17		124	50-135			
Dibromochloromethane	8.22	0.59	ppmv	5.87		140	70-140			
1,2-Dibromoethane (EDB)	7.10	0.65	ppmv	6.51		109	75-125			
Dibromomethane	7.61	0.70	ppmv	7.03		108	70-125			
1,2-Dichlorobenzene	8.17	0.83	ppmv	8.32		98	75-120			
1,3-Dichlorobenzene	8.40	0.83	ppmv	8.32		101	75-120			
1,4-Dichlorobenzene	8.29	0.83	ppmv	8.32		100	75-120			
Dichlorodifluoromethane	10.0	1.0	ppmv	10.1		99	35-155			
1,1-Dichloroethane	10.8	1.2	ppmv	12.4		87	70-125			
1,2-Dichloroethane	15.3	1.2	ppmv	12.4		124	60-140			
1,1-Dichloroethene	10.9	1.3	ppmv	12.6		87	70-125			
cis-1,2-Dichloroethene	10.7	1.3	ppmv	12.6		85	70-125			
trans-1,2-Dichloroethene	11.2	1.3	ppmv	12.6		89	70-125			
1,2-Dichloropropane	9.80	1.1	ppmv	10.8		91	70-125			
1,3-Dichloropropane	11.1	1.1	ppmv	10.8		103	70-120			
2,2-Dichloropropane	15.3	1.1	ppmv	10.8		142	65-140			*L*
cis-1,3-Dichloropropene	12.6	1.1	ppmv	11.0		114	75-125			
trans-1,3-Dichloropropene	14.3	1.1	ppmv	11.0		130	70-125			*L*
1,1-Dichloropropene	12.6	1.1	ppmv	11.0		114	75-130			
Ethylbenzene	12.4	1.2	ppmv	11.5		108	75-125			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1334 Extracted: 10/13/10										
LCS Analyzed: 10/13/2010 (10J1334-BS1)										
Hexachlorobutadiene	6.02	0.47	ppmv	4.69		128	65-135			
Isopropylbenzene	10.7	1.0	ppmv	10.2		105	75-130			
p-Isopropyltoluene	9.63	0.91	ppmv	9.11		106	75-125			
Methylene chloride	11.1	1.4	ppmv	14.4		77	55-130			
Naphthalene	8.73	1.0	ppmv	9.54		91	55-135			
n-Propylbenzene	10.5	1.0	ppmv	10.2		103	75-130			
Styrene	12.6	2.4	ppmv	11.7		108	75-130			
1,1,1,2-Tetrachloroethane	8.71	0.73	ppmv	7.28		120	70-130			
1,1,2,2-Tetrachloroethane	7.27	0.73	ppmv	7.28		100	55-130			
Tetrachloroethene	8.09	0.74	ppmv	7.37		110	70-125			
oluene	12.9	1.3	ppmv	13.3		97	70-120			
1,2,3-Trichlorobenzene	6.81	0.67	ppmv	6.74		101	65-125			
1,2,4-Trichlorobenzene	7.03	0.67	ppmv	6.74		104	70-135			
1,1,1-Trichloroethane	11.7	0.92	ppmv	9.16		128	65-135			
1,1,2-Trichloroethane	9.13	0.92	ppmv	9.16		100	70-125			
Trichloroethene	9.98	0.93	ppmv	9.30		107	70-125			
Trichlorofluoromethane	11.9	0.89	ppmv	8.90		134	65-145			
1,2,3-Trichloropropane	8.61	0.83	ppmv	8.29		104	60-130			
1,2,4-Trimethylbenzene	11.7	1.0	ppmv	10.2		115	75-125			
1,3,5-Trimethylbenzene	11.5	1.0	ppmv	10.2		113	75-125			
Vinyl chloride	19.8	2.0	ppmv	19.6		101	55-135			
m,p-Xylenes	24.2	1.2	ppmv	23.0		105	75-125			
Di-isopropyl Ether (DIPE)	8.20	1.2	ppmv	12.0		69	60-135			
Ethyl tert-Butyl Ether (ETBE)	9.08	1.3	ppmv	12.0		76	65-135			
Methyl-tert-butyl Ether (MTBE)	12.6	1.4	ppmv	13.9		91	60-135			
tert-Amyl Methyl Ether (TAME)	9.50	1.2	ppmv	12.0		79	60-135			
tert-Butanol (TBA)	80.7	17	ppmv	82.5		98	70-135			
Surrogate: 4-Bromofluorobenzene	*7.40*		*ppmv*	*6.99*		*106*	*80-120*			
Surrogate: Dibromofluoromethane	*6.29*		*ppmv*	*6.37*		*99*	*80-120*			
Surrogate: Toluene-d8	*12.9*		*ppmv*	*12.2*		*105*	*80-120*			

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Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1334 Extracted: 10/13/10										
Duplicate Analyzed: 10/13/2010 (10J1334-DUP1)					**Source: ITJ1221-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	ND	0.79	ppmv		ND				25	*C, L*
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	ND	1.0	ppmv		ND				20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	*L*
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	*C, L*
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1334 Extracted: 10/13/10										
Duplicate Analyzed: 10/13/2010 (10J1334-DUP1)					**Source: ITJ1221-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
oluene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*7.39*		*ppmv*	*6.99*		*106*	*80-120*			
Surrogate: Dibromofluoromethane	*6.40*		*ppmv*	*6.37*		*100*	*80-120*			
Surrogate: Toluene-d8	*13.1*		*ppmv*	*12.2*		*107*	*80-120*			

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Project Manager

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1344 Extracted: 10/13/10										
Blank Analyzed: 10/13/2010 (10J1344-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1344 Extracted: 10/13/10										
Blank Analyzed: 10/13/2010 (10J1344-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	2.22	1.4	ppmv							*B*
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
Toluene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.87*		*ppmv*	*6.99*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*6.72*		*ppmv*	*6.37*		*105*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*ppmv*	*12.2*		*101*	*80-120*			

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2382 Southeast Bristol St., Ste. B
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1344 Extracted: 10/13/10										
LCS Analyzed: 10/13/2010 (10J1344-BS1)										
Benzene	15.5	1.6	ppmv	15.7		99	70-120			
Bromobenzene	8.38	0.78	ppmv	7.79		108	75-120			
Bromochloromethane	10.0	0.94	ppmv	9.45		106	70-130			
Bromodichloromethane	8.21	0.75	ppmv	7.46		110	70-135			
Bromoform	4.23	0.48	ppmv	4.84		87	55-130			
Bromomethane	12.4	1.3	ppmv	12.9		96	65-140			
n-Butylbenzene	9.32	0.91	ppmv	9.11		102	70-130			
sec-Butylbenzene	9.18	0.91	ppmv	9.11		101	70-125			
tert-Butylbenzene	9.38	0.91	ppmv	9.11		103	70-125			
Carbon tetrachloride	8.80	0.79	ppmv	7.95		111	65-140			
Chlorobenzene	10.4	1.2	ppmv	10.9		96	75-120			
Chloroethane	15.9	1.9	ppmv	18.9		84	60-140			
Chloroform	10.8	1.0	ppmv	10.2		106	70-130			
Chloromethane	16.7	2.4	ppmv	24.2		69	50-140			
2-Chlorotoluene	10.3	1.0	ppmv	9.66		106	70-125			
4-Chlorotoluene	10.1	1.0	ppmv	9.66		104	75-125			
1,2-Dibromo-3-chloropropane	5.29	1.0	ppmv	5.17		102	50-135			
Dibromochloromethane	5.95	0.59	ppmv	5.87		101	70-140			
1,2-Dibromoethane (EDB)	6.55	0.65	ppmv	6.51		101	75-125			
Dibromomethane	7.58	0.70	ppmv	7.03		108	70-125			
1,2-Dichlorobenzene	9.25	0.83	ppmv	8.32		111	75-120			
1,3-Dichlorobenzene	9.14	0.83	ppmv	8.32		110	75-120			
1,4-Dichlorobenzene	9.32	0.83	ppmv	8.32		112	75-120			
Dichlorodifluoromethane	7.11	1.0	ppmv	10.1		70	35-155			
1,1-Dichloroethane	12.1	1.2	ppmv	12.4		98	70-125			
1,2-Dichloroethane	13.2	1.2	ppmv	12.4		107	60-140			
1,1-Dichloroethene	12.1	1.3	ppmv	12.6		96	70-125			
cis-1,2-Dichloroethene	13.5	1.3	ppmv	12.6		107	70-125			
trans-1,2-Dichloroethene	13.0	1.3	ppmv	12.6		103	70-125			
1,2-Dichloropropane	10.4	1.1	ppmv	10.8		96	70-125			
1,3-Dichloropropane	10.6	1.1	ppmv	10.8		98	70-120			
2,2-Dichloropropane	15.4	1.1	ppmv	10.8		143	65-140			*L*
cis-1,3-Dichloropropene	11.7	1.1	ppmv	11.0		106	75-125			
trans-1,3-Dichloropropene	12.2	1.1	ppmv	11.0		111	70-125			
1,1-Dichloropropene	11.1	1.1	ppmv	11.0		101	75-130			
Ethylbenzene	11.3	1.2	ppmv	11.5		98	75-125			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1344 Extracted: 10/13/10										
LCS Analyzed: 10/13/2010 (10J1344-BS1)										
Hexachlorobutadiene	5.66	0.47	ppmv	4.69		121	65-135			
Isopropylbenzene	10.3	1.0	ppmv	10.2		101	75-130			
p-Isopropyltoluene	9.34	0.91	ppmv	9.11		103	75-125			
Methylene chloride	16.0	1.4	ppmv	14.4		111	55-130			
Naphthalene	10.6	1.0	ppmv	9.54		111	55-135			
n-Propylbenzene	10.6	1.0	ppmv	10.2		105	75-130			
Styrene	11.6	2.4	ppmv	11.7		99	75-130			
1,1,1,2-Tetrachloroethane	7.27	0.73	ppmv	7.28		100	70-130			
1,1,2,2-Tetrachloroethane	7.30	0.73	ppmv	7.28		100	55-130			
Tetrachloroethene	7.08	0.74	ppmv	7.37		96	70-125			
Toluene	13.2	1.3	ppmv	13.3		99	70-120			
1,2,3-Trichlorobenzene	7.75	0.67	ppmv	6.74		115	65-125			
1,2,4-Trichlorobenzene	7.86	0.67	ppmv	6.74		117	70-135			
1,1,1-Trichloroethane	10.7	0.92	ppmv	9.16		117	65-135			
1,1,2-Trichloroethane	9.52	0.92	ppmv	9.16		104	70-125			
Trichloroethene	9.51	0.93	ppmv	9.30		102	70-125			
Trichlorofluoromethane	9.95	0.89	ppmv	8.90		112	65-145			
1,2,3-Trichloropropane	8.18	0.83	ppmv	8.29		99	60-130			
1,2,4-Trimethylbenzene	11.1	1.0	ppmv	10.2		109	75-125			
1,3,5-Trimethylbenzene	10.6	1.0	ppmv	10.2		105	75-125			
Vinyl chloride	16.2	2.0	ppmv	19.6		83	55-135			
m,p-Xylenes	21.3	1.2	ppmv	23.0		92	75-125			
Di-isopropyl Ether (DIPE)	10.2	1.2	ppmv	12.0		85	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.2	1.3	ppmv	12.0		85	65-135			
Methyl-tert-butyl Ether (MTBE)	13.2	1.4	ppmv	13.9		95	60-135			
tert-Amyl Methyl Ether (TAME)	9.64	1.2	ppmv	12.0		81	60-135			
tert-Butanol (TBA)	104	17	ppmv	82.5		126	70-135			
Surrogate: 4-Bromofluorobenzene	*6.54*		*ppmv*	*6.99*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*6.96*		*ppmv*	*6.37*		*109*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*80-120*			

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1344 Extracted: 10/13/10										
Duplicate Analyzed: 10/13/2010 (10J1344-DUP1)					**Source: ITJ1018-08**					
Benzene	185	8.0	ppmv		192			4	20	
Bromobenzene	ND	3.9	ppmv		ND				20	
Bromochloromethane	ND	4.7	ppmv		ND				20	
Bromodichloromethane	ND	3.8	ppmv		ND				20	
Bromoform	ND	2.4	ppmv		ND				25	
Bromomethane	ND	6.5	ppmv		ND				20	
n-Butylbenzene	ND	4.6	ppmv		ND				20	
sec-Butylbenzene	ND	4.6	ppmv		ND				20	
tert-Butylbenzene	ND	4.6	ppmv		ND				20	
Carbon tetrachloride	ND	4.0	ppmv		ND				25	
Chlorobenzene	ND	6.0	ppmv		ND				20	
Chloroethane	ND	9.5	ppmv		ND				20	
Chloroform	ND	5.0	ppmv		ND				20	
Chloromethane	ND	12	ppmv		ND				25	
2-Chlorotoluene	ND	5.0	ppmv		ND				20	
4-Chlorotoluene	ND	5.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	5.0	ppmv		ND				30	
Dibromochloromethane	ND	3.0	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	3.2	ppmv		ND				20	
Dibromomethane	ND	3.5	ppmv		ND				20	
1,2-Dichlorobenzene	ND	4.2	ppmv		ND				20	*C*
1,3-Dichlorobenzene	ND	4.2	ppmv		ND				20	*C*
1,4-Dichlorobenzene	ND	4.2	ppmv		ND				20	*C*
Dichlorodifluoromethane	ND	5.0	ppmv		ND				30	
1,1-Dichloroethane	ND	6.0	ppmv		ND				20	
1,2-Dichloroethane	ND	6.0	ppmv		ND				20	
1,1-Dichloroethene	ND	6.5	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	6.5	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	6.5	ppmv		ND				20	
1,2-Dichloropropane	ND	5.5	ppmv		ND				20	
1,3-Dichloropropane	ND	5.5	ppmv		ND				20	
2,2-Dichloropropane	ND	5.5	ppmv		ND				25	*L, C*
cis-1,3-Dichloropropene	ND	5.5	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	5.5	ppmv		ND				20	
1,1-Dichloropropene	ND	5.5	ppmv		ND				20	
Ethylbenzene	25.3	6.0	ppmv		25.3			0.2	20	

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Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1344 Extracted: 10/13/10										
Duplicate Analyzed: 10/13/2010 (10J1344-DUP1)					**Source: ITJ1018-08**					
Hexachlorobutadiene	ND	2.4	ppmv		ND				20	C
Isopropylbenzene	0.854	5.0	ppmv		0.875			2	20	
p-Isopropyltoluene	ND	4.6	ppmv		ND				20	
Methylene chloride	20.8	7.0	ppmv		20.6			1	20	
Naphthalene	ND	5.0	ppmv		ND				25	
n-Propylbenzene	1.44	5.0	ppmv		1.46			1	20	
Styrene	ND	12	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	3.6	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	3.6	ppmv		1.94				25	
Tetrachloroethene	ND	3.7	ppmv		ND				20	
Toluene	249	6.5	ppmv		261			4	20	
1,2,3-Trichlorobenzene	ND	3.4	ppmv		ND				20	C
1,2,4-Trichlorobenzene	ND	3.4	ppmv		ND				20	
1,1,1-Trichloroethane	ND	4.6	ppmv		ND				20	
1,1,2-Trichloroethane	ND	4.6	ppmv		ND				20	
Trichloroethene	ND	4.6	ppmv		ND				20	
Trichlorofluoromethane	ND	4.4	ppmv		ND				20	
1,2,3-Trichloropropane	ND	4.2	ppmv		ND				20	C
1,2,4-Trimethylbenzene	7.57	5.0	ppmv		7.36			3	20	
1,3,5-Trimethylbenzene	6.49	5.0	ppmv		6.18			5	20	
Vinyl chloride	ND	10	ppmv		ND				30	
m,p-Xylenes	125	6.0	ppmv		121			3	20	
o-Xylene	48.4	6.0	ppmv		48.4			0.05	20	
Di-isopropyl Ether (DIPE)	ND	6.0	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	6.5	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	7.0	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	6.0	ppmv		ND				25	
tert-Butanol (TBA)	ND	85	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*7.14*		*ppmv*	*6.99*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*6.68*		*ppmv*	*6.37*		*105*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*80-120*			

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Patty Mata
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITJ1221

Sampled: 10/12/10
Received: 10/12/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J1564 Extracted: 10/14/10										
Duplicate Analyzed: 10/14/2010 (10J1564-DUP1)					**Source: ITJ1221-01**					
Carbon Dioxide	2.47	0.10	% by Volume		2.47			0	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.7	20	% by Volume		77.6			0.1	20	
Oxygen	19.8	5.5	% by Volume		19.9			0.4	20	

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Project Manager

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C2 Rem	Project ID: 97-101, Shell	
2382 Southeast Bristol St., Ste. B	97-101, 20245 S Vermont, Torrance, CA	Sampled: 10/12/10
Newport Beach, CA 92660	Report Number: ITJ1221	Received: 10/12/10
Attention: Stephan Klemm		

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITJ1221	Sampled: 10/12/10 Received: 10/12/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test America STL Other_____

SHELL Chain Of Custody Record

Lab Identification (if necessary):
- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennessee
- [ ] STL
- [ ] Other (location)_____

Shell Project Manager to be invoiced: George Landreth

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

[ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 10/12/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
2382 S.E. Bristol, Suite B, Newport Beach, CA 92660		1-949-261-8098	sklemm@c2rem.com	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):	LAB USE ONLY
Stefan Klemm	(949) 261-8098	(949) 261-8097	sklemm@c2rem.com	SA, CA.	11 1221

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

~~Inlet and inlet Dup are high concentration for Benzene~~

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946	TEMPERATURE ON RECEIPT C°
	Effluent	10/12	3:00	Air	1 Tedlar														X	X	RT
	Carbon 1	10/12/10	3:00	Air	1 Tedlar														X	X	
	Post Ambient Air	10/12/10	3:00	Air	1 Tedlar														X	X	
	Inlet	10/12/10	3:00	Air.	1 Tedlar														X	X	
	Post Ambient Air Dup	10/12/10	3:00	Air	1 Tedlar														X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	10/12/10	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Q&Q Graphic (714) 898-9702

11/18/05 Revision

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 11/04/10
Received: 11/04/10
Issued: 11/18/10 09:18

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

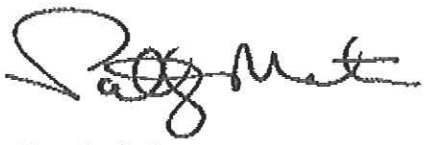
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITK0501-01	Effluent	Air
ITK0501-02	Carbon 1	Air
ITK0501-03	Post Ambient Air	Air
ITK0501-04	Inlet	Air
ITK0501-05	Post Ambient Air Dup	Air

Reviewed By:



stAmerica Irvine

Patty Mata
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING
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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10K0636	1.6	ND	1	11/5/2010	11/5/2010	
Bromobenzene	EPA 8260B MOD	10K0636	0.78	ND	1	11/5/2010	11/5/2010	
Bromochloromethane	EPA 8260B MOD	10K0636	0.94	ND	1	11/5/2010	11/5/2010	
Bromodichloromethane	EPA 8260B MOD	10K0636	0.75	ND	1	11/5/2010	11/5/2010	
Bromoform	EPA 8260B MOD	10K0636	0.48	ND	1	11/5/2010	11/5/2010	
Bromomethane	EPA 8260B MOD	10K0636	1.3	ND	1	11/5/2010	11/5/2010	
n-Butylbenzene	EPA 8260B MOD	10K0636	0.91	ND	1	11/5/2010	11/5/2010	
sec-Butylbenzene	EPA 8260B MOD	10K0636	0.91	ND	1	11/5/2010	11/5/2010	
tert-Butylbenzene	EPA 8260B MOD	10K0636	0.91	ND	1	11/5/2010	11/5/2010	
Carbon tetrachloride	EPA 8260B MOD	10K0636	0.79	ND	1	11/5/2010	11/5/2010	
Chlorobenzene	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
Chloroethane	EPA 8260B MOD	10K0636	1.9	ND	1	11/5/2010	11/5/2010	
Chloroform	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
Chloromethane	EPA 8260B MOD	10K0636	2.4	ND	1	11/5/2010	11/5/2010	
2-Chlorotoluene	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
4-Chlorotoluene	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
Dibromochloromethane	EPA 8260B MOD	10K0636	0.59	ND	1	11/5/2010	11/5/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10K0636	0.65	ND	1	11/5/2010	11/5/2010	
Dibromomethane	EPA 8260B MOD	10K0636	0.70	ND	1	11/5/2010	11/5/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10K0636	0.83	ND	1	11/5/2010	11/5/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10K0636	0.83	ND	1	11/5/2010	11/5/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10K0636	0.83	ND	1	11/5/2010	11/5/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
1,1-Dichloroethane	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
1,2-Dichloroethane	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
1,1-Dichloroethene	EPA 8260B MOD	10K0636	1.3	ND	1	11/5/2010	11/5/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10K0636	1.3	ND	1	11/5/2010	11/5/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10K0636	1.3	ND	1	11/5/2010	11/5/2010	
1,2-Dichloropropane	EPA 8260B MOD	10K0636	1.1	ND	1	11/5/2010	11/5/2010	
1,3-Dichloropropane	EPA 8260B MOD	10K0636	1.1	ND	1	11/5/2010	11/5/2010	
2,2-Dichloropropane	EPA 8260B MOD	10K0636	1.1	ND	1	11/5/2010	11/5/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10K0636	1.1	ND	1	11/5/2010	11/5/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10K0636	1.1	ND	1	11/5/2010	11/5/2010	
1,1-Dichloropropene	EPA 8260B MOD	10K0636	1.1	ND	1	11/5/2010	11/5/2010	
Ethylbenzene	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
Hexachlorobutadiene	EPA 8260B MOD	10K0636	0.47	ND	1	11/5/2010	11/5/2010	
Isopropylbenzene	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
p-Isopropyltoluene	EPA 8260B MOD	10K0636	0.91	ND	1	11/5/2010	11/5/2010	
Methylene chloride	EPA 8260B MOD	10K0636	1.4	ND	1	11/5/2010	11/5/2010	
Naphthalene	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
Styrene	EPA 8260B MOD	10K0636	2.4	ND	1	11/5/2010	11/5/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10K0636	0.73	ND	1	11/5/2010	11/5/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10K0636	0.73	ND	1	11/5/2010	11/5/2010	
Tetrachloroethene	EPA 8260B MOD	10K0636	0.74	ND	1	11/5/2010	11/5/2010	
Toluene	EPA 8260B MOD	10K0636	1.3	ND	1	11/5/2010	11/5/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10K0636	0.67	ND	1	11/5/2010	11/5/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10K0636	0.67	ND	1	11/5/2010	11/5/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10K0636	0.92	ND	1	11/5/2010	11/5/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10K0636	0.92	ND	1	11/5/2010	11/5/2010	
Trichloroethene	EPA 8260B MOD	10K0636	0.93	ND	1	11/5/2010	11/5/2010	
Trichlorofluoromethane	EPA 8260B MOD	10K0636	0.89	ND	1	11/5/2010	11/5/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10K0636	0.83	ND	1	11/5/2010	11/5/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
,5-Trimethylbenzene	EPA 8260B MOD	10K0636	1.0	ND	1	11/5/2010	11/5/2010	
nyl chloride	EPA 8260B MOD	10K0636	2.0	ND	1	11/5/2010	11/5/2010	
m,p-Xylenes	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
o-Xylene	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10K0636	1.3	ND	1	11/5/2010	11/5/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10K0636	1.4	ND	1	11/5/2010	11/5/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10K0636	1.2	ND	1	11/5/2010	11/5/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10K0636	17	ND	1	11/5/2010	11/5/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*85 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10K0636	80	**3100**	50	11/5/2010	11/5/2010	
Bromobenzene	EPA 8260B MOD	10K0636	39	ND	50	11/5/2010	11/5/2010	
Bromochloromethane	EPA 8260B MOD	10K0636	47	ND	50	11/5/2010	11/5/2010	
Bromodichloromethane	EPA 8260B MOD	10K0636	38	ND	50	11/5/2010	11/5/2010	
Bromoform	EPA 8260B MOD	10K0636	24	ND	50	11/5/2010	11/5/2010	
Bromomethane	EPA 8260B MOD	10K0636	65	ND	50	11/5/2010	11/5/2010	
n-Butylbenzene	EPA 8260B MOD	10K0636	46	ND	50	11/5/2010	11/5/2010	
sec-Butylbenzene	EPA 8260B MOD	10K0636	46	ND	50	11/5/2010	11/5/2010	
tert-Butylbenzene	EPA 8260B MOD	10K0636	46	ND	50	11/5/2010	11/5/2010	
Carbon tetrachloride	EPA 8260B MOD	10K0636	40	ND	50	11/5/2010	11/5/2010	
Chlorobenzene	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
Chloroethane	EPA 8260B MOD	10K0636	95	ND	50	11/5/2010	11/5/2010	
Chloroform	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
Chloromethane	EPA 8260B MOD	10K0636	120	ND	50	11/5/2010	11/5/2010	
2-Chlorotoluene	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
4-Chlorotoluene	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
Dibromochloromethane	EPA 8260B MOD	10K0636	30	ND	50	11/5/2010	11/5/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10K0636	32	ND	50	11/5/2010	11/5/2010	
Dibromomethane	EPA 8260B MOD	10K0636	35	ND	50	11/5/2010	11/5/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10K0636	42	ND	50	11/5/2010	11/5/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10K0636	42	ND	50	11/5/2010	11/5/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10K0636	42	ND	50	11/5/2010	11/5/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
1,1-Dichloroethane	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
1,2-Dichloroethane	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
1,1-Dichloroethene	EPA 8260B MOD	10K0636	65	ND	50	11/5/2010	11/5/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10K0636	65	ND	50	11/5/2010	11/5/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10K0636	65	ND	50	11/5/2010	11/5/2010	
1,2-Dichloropropane	EPA 8260B MOD	10K0636	55	ND	50	11/5/2010	11/5/2010	
1,3-Dichloropropane	EPA 8260B MOD	10K0636	55	ND	50	11/5/2010	11/5/2010	
2,2-Dichloropropane	EPA 8260B MOD	10K0636	55	ND	50	11/5/2010	11/5/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10K0636	55	ND	50	11/5/2010	11/5/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10K0636	55	ND	50	11/5/2010	11/5/2010	
1,1-Dichloropropene	EPA 8260B MOD	10K0636	55	ND	50	11/5/2010	11/5/2010	
Ethylbenzene	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
Hexachlorobutadiene	EPA 8260B MOD	10K0636	24	ND	50	11/5/2010	11/5/2010	
Isopropylbenzene	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
p-Isopropyltoluene	EPA 8260B MOD	10K0636	46	ND	50	11/5/2010	11/5/2010	
Methylene chloride	EPA 8260B MOD	10K0636	70	ND	50	11/5/2010	11/5/2010	
Naphthalene	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
Styrene	EPA 8260B MOD	10K0636	120	ND	50	11/5/2010	11/5/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10K0636	36	ND	50	11/5/2010	11/5/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10K0636	36	ND	50	11/5/2010	11/5/2010	
Tetrachloroethene	EPA 8260B MOD	10K0636	37	ND	50	11/5/2010	11/5/2010	
Toluene	EPA 8260B MOD	10K0636	65	ND	50	11/5/2010	11/5/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10K0636	34	ND	50	11/5/2010	11/5/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10K0636	34	ND	50	11/5/2010	11/5/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10K0636	46	ND	50	11/5/2010	11/5/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10K0636	46	ND	50	11/5/2010	11/5/2010	
Trichloroethene	EPA 8260B MOD	10K0636	46	ND	50	11/5/2010	11/5/2010	
Trichlorofluoromethane	EPA 8260B MOD	10K0636	44	ND	50	11/5/2010	11/5/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10K0636	42	ND	50	11/5/2010	11/5/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
,5-Trimethylbenzene	EPA 8260B MOD	10K0636	50	ND	50	11/5/2010	11/5/2010	
yl chloride	EPA 8260B MOD	10K0636	100	ND	50	11/5/2010	11/5/2010	
m,p-Xylenes	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
o-Xylene	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10K0636	65	ND	50	11/5/2010	11/5/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10K0636	70	ND	50	11/5/2010	11/5/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10K0636	60	ND	50	11/5/2010	11/5/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10K0636	850	ND	50	11/5/2010	11/5/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*84 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10K0636	40	**2400**	25	11/5/2010	11/5/2010	
Bromobenzene	EPA 8260B MOD	10K0636	20	ND	25	11/5/2010	11/5/2010	
Bromochloromethane	EPA 8260B MOD	10K0636	24	ND	25	11/5/2010	11/5/2010	
Bromodichloromethane	EPA 8260B MOD	10K0636	19	ND	25	11/5/2010	11/5/2010	
Bromoform	EPA 8260B MOD	10K0636	12	ND	25	11/5/2010	11/5/2010	
Bromomethane	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
n-Butylbenzene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
sec-Butylbenzene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
tert-Butylbenzene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Carbon tetrachloride	EPA 8260B MOD	10K0636	20	ND	25	11/5/2010	11/5/2010	
Chlorobenzene	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
Chloroethane	EPA 8260B MOD	10K0636	48	ND	25	11/5/2010	11/5/2010	
Chloroform	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
Chloromethane	EPA 8260B MOD	10K0636	60	ND	25	11/5/2010	11/5/2010	
2-Chlorotoluene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
4-Chlorotoluene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
Dibromochloromethane	EPA 8260B MOD	10K0636	15	ND	25	11/5/2010	11/5/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10K0636	16	ND	25	11/5/2010	11/5/2010	
Dibromomethane	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
1,1-Dichloroethane	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
1,2-Dichloroethane	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
1,1-Dichloroethene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
1,2-Dichloropropane	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
1,3-Dichloropropane	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
2,2-Dichloropropane	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
1,1-Dichloropropene	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
Ethylbenzene	EPA 8260B MOD	10K0636	30	**100**	25	11/5/2010	11/5/2010	
Hexachlorobutadiene	EPA 8260B MOD	10K0636	12	ND	25	11/5/2010	11/5/2010	
Isopropylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
p-Isopropyltoluene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Methylene chloride	EPA 8260B MOD	10K0636	35	ND	25	11/5/2010	11/5/2010	
Naphthalene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
Styrene	EPA 8260B MOD	10K0636	60	ND	25	11/5/2010	11/5/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
Tetrachloroethene	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
Toluene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10K0636	17	ND	25	11/5/2010	11/5/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10K0636	17	ND	25	11/5/2010	11/5/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Trichloroethene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Trichlorofluoromethane	EPA 8260B MOD	10K0636	22	ND	25	11/5/2010	11/5/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
,5-Trimethylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
nyl chloride	EPA 8260B MOD	10K0636	50	ND	25	11/5/2010	11/5/2010	
m,p-Xylenes	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
o-Xylene	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10K0636	35	ND	25	11/5/2010	11/5/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10K0636	420	ND	25	11/5/2010	11/5/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*84 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10K0636	160	**11000**	100	11/5/2010	11/5/2010	
Bromobenzene	EPA 8260B MOD	10K0636	78	ND	100	11/5/2010	11/5/2010	
Bromochloromethane	EPA 8260B MOD	10K0636	94	ND	100	11/5/2010	11/5/2010	
Bromodichloromethane	EPA 8260B MOD	10K0636	75	ND	100	11/5/2010	11/5/2010	
Bromoform	EPA 8260B MOD	10K0636	48	ND	100	11/5/2010	11/5/2010	
Bromomethane	EPA 8260B MOD	10K0636	130	ND	100	11/5/2010	11/5/2010	
n-Butylbenzene	EPA 8260B MOD	10K0636	91	ND	100	11/5/2010	11/5/2010	
sec-Butylbenzene	EPA 8260B MOD	10K0636	91	ND	100	11/5/2010	11/5/2010	
tert-Butylbenzene	EPA 8260B MOD	10K0636	91	ND	100	11/5/2010	11/5/2010	
Carbon tetrachloride	EPA 8260B MOD	10K0636	79	ND	100	11/5/2010	11/5/2010	
Chlorobenzene	EPA 8260B MOD	10K0636	120	ND	100	11/5/2010	11/5/2010	
Chloroethane	EPA 8260B MOD	10K0636	190	ND	100	11/5/2010	11/5/2010	
Chloroform	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
Chloromethane	EPA 8260B MOD	10K0636	240	ND	100	11/5/2010	11/5/2010	
2-Chlorotoluene	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
4-Chlorotoluene	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
Dibromochloromethane	EPA 8260B MOD	10K0636	59	ND	100	11/5/2010	11/5/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10K0636	65	ND	100	11/5/2010	11/5/2010	
Dibromomethane	EPA 8260B MOD	10K0636	70	ND	100	11/5/2010	11/5/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10K0636	83	ND	100	11/5/2010	11/5/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10K0636	83	ND	100	11/5/2010	11/5/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10K0636	83	ND	100	11/5/2010	11/5/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
1,1-Dichloroethane	EPA 8260B MOD	10K0636	120	ND	100	11/5/2010	11/5/2010	
1,2-Dichloroethane	EPA 8260B MOD	10K0636	120	ND	100	11/5/2010	11/5/2010	
1,1-Dichloroethene	EPA 8260B MOD	10K0636	130	ND	100	11/5/2010	11/5/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10K0636	130	ND	100	11/5/2010	11/5/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10K0636	130	ND	100	11/5/2010	11/5/2010	
1,2-Dichloropropane	EPA 8260B MOD	10K0636	110	ND	100	11/5/2010	11/5/2010	
1,3-Dichloropropane	EPA 8260B MOD	10K0636	110	ND	100	11/5/2010	11/5/2010	
2,2-Dichloropropane	EPA 8260B MOD	10K0636	110	ND	100	11/5/2010	11/5/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10K0636	110	ND	100	11/5/2010	11/5/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10K0636	110	ND	100	11/5/2010	11/5/2010	
1,1-Dichloropropene	EPA 8260B MOD	10K0636	110	ND	100	11/5/2010	11/5/2010	
Ethylbenzene	EPA 8260B MOD	10K0636	120	**430**	100	11/5/2010	11/5/2010	
Hexachlorobutadiene	EPA 8260B MOD	10K0636	47	ND	100	11/5/2010	11/5/2010	
Isopropylbenzene	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
p-Isopropyltoluene	EPA 8260B MOD	10K0636	91	ND	100	11/5/2010	11/5/2010	
Methylene chloride	EPA 8260B MOD	10K0636	140	ND	100	11/5/2010	11/5/2010	
Naphthalene	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
Styrene	EPA 8260B MOD	10K0636	240	ND	100	11/5/2010	11/5/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10K0636	73	ND	100	11/5/2010	11/5/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10K0636	73	ND	100	11/5/2010	11/5/2010	
Tetrachloroethene	EPA 8260B MOD	10K0636	74	ND	100	11/5/2010	11/5/2010	
Toluene	EPA 8260B MOD	10K0636	130	ND	100	11/5/2010	11/5/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10K0636	67	ND	100	11/5/2010	11/5/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10K0636	67	ND	100	11/5/2010	11/5/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10K0636	92	ND	100	11/5/2010	11/5/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10K0636	92	ND	100	11/5/2010	11/5/2010	
Trichloroethene	EPA 8260B MOD	10K0636	93	ND	100	11/5/2010	11/5/2010	
Trichlorofluoromethane	EPA 8260B MOD	10K0636	89	ND	100	11/5/2010	11/5/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10K0636	83	ND	100	11/5/2010	11/5/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10K0636	100	ND	100	11/5/2010	11/5/2010	
Vinyl chloride	EPA 8260B MOD	10K0636	200	ND	100	11/5/2010	11/5/2010	
m,p-Xylenes	EPA 8260B MOD	10K0636	120	ND	100	11/5/2010	11/5/2010	
o-Xylene	EPA 8260B MOD	10K0636	120	ND	100	11/5/2010	11/5/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10K0636	120	ND	100	11/5/2010	11/5/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10K0636	130	ND	100	11/5/2010	11/5/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10K0636	140	ND	100	11/5/2010	11/5/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10K0636	120	ND	100	11/5/2010	11/5/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10K0636	1700	ND	100	11/5/2010	11/5/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*84 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10K0636	40	**2400**	25	11/5/2010	11/5/2010	
Bromobenzene	EPA 8260B MOD	10K0636	20	ND	25	11/5/2010	11/5/2010	
Bromochloromethane	EPA 8260B MOD	10K0636	24	ND	25	11/5/2010	11/5/2010	
Bromodichloromethane	EPA 8260B MOD	10K0636	19	ND	25	11/5/2010	11/5/2010	
Bromoform	EPA 8260B MOD	10K0636	12	ND	25	11/5/2010	11/5/2010	
Bromomethane	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
n-Butylbenzene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
sec-Butylbenzene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
tert-Butylbenzene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Carbon tetrachloride	EPA 8260B MOD	10K0636	20	ND	25	11/5/2010	11/5/2010	
Chlorobenzene	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
Chloroethane	EPA 8260B MOD	10K0636	48	ND	25	11/5/2010	11/5/2010	
Chloroform	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
Chloromethane	EPA 8260B MOD	10K0636	60	ND	25	11/5/2010	11/5/2010	
2-Chlorotoluene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
4-Chlorotoluene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
Dibromochloromethane	EPA 8260B MOD	10K0636	15	ND	25	11/5/2010	11/5/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10K0636	16	ND	25	11/5/2010	11/5/2010	
Dibromomethane	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
1,1-Dichloroethane	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
1,2-Dichloroethane	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
1,1-Dichloroethene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
1,2-Dichloropropane	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
1,3-Dichloropropane	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
2,2-Dichloropropane	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
1,1-Dichloropropene	EPA 8260B MOD	10K0636	28	ND	25	11/5/2010	11/5/2010	
Ethylbenzene	EPA 8260B MOD	10K0636	30	**110**	25	11/5/2010	11/5/2010	
Hexachlorobutadiene	EPA 8260B MOD	10K0636	12	ND	25	11/5/2010	11/5/2010	
Isopropylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
p-Isopropyltoluene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Methylene chloride	EPA 8260B MOD	10K0636	35	ND	25	11/5/2010	11/5/2010	
Naphthalene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
Styrene	EPA 8260B MOD	10K0636	60	ND	25	11/5/2010	11/5/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
Tetrachloroethene	EPA 8260B MOD	10K0636	18	ND	25	11/5/2010	11/5/2010	
Toluene	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10K0636	17	ND	25	11/5/2010	11/5/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10K0636	17	ND	25	11/5/2010	11/5/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Trichloroethene	EPA 8260B MOD	10K0636	23	ND	25	11/5/2010	11/5/2010	
Trichlorofluoromethane	EPA 8260B MOD	10K0636	22	ND	25	11/5/2010	11/5/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10K0636	21	ND	25	11/5/2010	11/5/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
3,5-Trimethylbenzene	EPA 8260B MOD	10K0636	25	ND	25	11/5/2010	11/5/2010	
nyl chloride	EPA 8260B MOD	10K0636	50	ND	25	11/5/2010	11/5/2010	
m,p-Xylenes	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
o-Xylene	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10K0636	32	ND	25	11/5/2010	11/5/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10K0636	35	ND	25	11/5/2010	11/5/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10K0636	30	ND	25	11/5/2010	11/5/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10K0636	420	ND	25	11/5/2010	11/5/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*84 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0501-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10K0738	0.10	**2.7**	1	11/5/2010	11/5/2010	
Carbon Monoxide	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Methane	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Nitrogen	ASTM D1946-90	10K0738	20	**77**	1	11/5/2010	11/5/2010	
Oxygen	ASTM D1946-90	10K0738	5.5	**20**	1	11/5/2010	11/5/2010	
Sample ID: ITK0501-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10K0738	0.10	**2.6**	1	11/5/2010	11/5/2010	
Carbon Monoxide	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Methane	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Nitrogen	ASTM D1946-90	10K0738	20	**77**	1	11/5/2010	11/5/2010	
Oxygen	ASTM D1946-90	10K0738	5.5	**20**	1	11/5/2010	11/5/2010	
Sample ID: ITK0501-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10K0738	0.10	**2.7**	1	11/5/2010	11/5/2010	
Carbon Monoxide	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Methane	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Nitrogen	ASTM D1946-90	10K0738	20	**78**	1	11/5/2010	11/5/2010	
Oxygen	ASTM D1946-90	10K0738	5.5	**20**	1	11/5/2010	11/5/2010	
Sample ID: ITK0501-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10K0738	0.10	**19**	1	11/5/2010	11/5/2010	
Carbon Monoxide	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Methane	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Nitrogen	ASTM D1946-90	10K0738	20	**73**	1	11/5/2010	11/5/2010	
Oxygen	ASTM D1946-90	10K0738	5.5	**7.6**	1	11/5/2010	11/5/2010	
Sample ID: ITK0501-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10K0738	0.10	**2.8**	1	11/5/2010	11/5/2010	
Carbon Monoxide	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Methane	ASTM D1946-90	10K0738	0.10	ND	1	11/5/2010	11/5/2010	
Nitrogen	ASTM D1946-90	10K0738	20	**78**	1	11/5/2010	11/5/2010	
Oxygen	ASTM D1946-90	10K0738	5.5	**20**	1	11/5/2010	11/5/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITK0501-01) - Air					
ASTM D1946-90	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 16:22	11/05/2010 16:22
EPA 8260B MOD	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 10:07	11/05/2010 10:36
Sample ID: Carbon 1 (ITK0501-02) - Air					
ASTM D1946-90	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 16:57	11/05/2010 16:57
EPA 8260B MOD	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 15:16	11/05/2010 15:36
Sample ID: Post Ambient Air (ITK0501-03) - Air					
ASTM D1946-90	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 17:16	11/05/2010 17:16
EPA 8260B MOD	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 13:42	11/05/2010 16:38
Sample ID: Inlet (ITK0501-04) - Air					
ASTM D1946-90	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 17:34	11/05/2010 17:34
EPA 8260B MOD	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 11:13	11/05/2010 13:09
Sample ID: Post Ambient Air Dup (ITK0501-05) - Air					
ASTM D1946-90	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 17:52	11/05/2010 17:52
EPA 8260B MOD	3	11/04/2010 12:00	11/04/2010 14:25	11/05/2010 13:52	11/05/2010 17:08

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Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0636 Extracted: 11/05/10										
Blank Analyzed: 11/05/2010 (10K0636-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
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Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0636 Extracted: 11/05/10										
Blank Analyzed: 11/05/2010 (10K0636-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,2,2-Tetrachloroethane	ND	0.73	ppmv							
trachloroethene	ND	0.74	ppmv							
luene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.03*		*ppmv*	*6.99*		*86*	*80-120*			
Surrogate: Dibromofluoromethane	*6.12*		*ppmv*	*6.37*		*96*	*80-120*			
Surrogate: Toluene-d8	*11.9*		*ppmv*	*12.2*		*97*	*80-120*			

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0636 Extracted: 11/05/10										
LCS Analyzed: 11/05/2010 (10K0636-BS1)										
Benzene	15.7	1.6	ppmv	15.7		101	70-120			
Bromobenzene	7.83	0.78	ppmv	7.79		101	75-120			
Bromochloromethane	9.85	0.94	ppmv	9.45		104	70-130			
Bromodichloromethane	7.70	0.75	ppmv	7.46		103	70-135			
Bromoform	4.10	0.48	ppmv	4.84		85	55-130			
Bromomethane	13.0	1.3	ppmv	12.9		101	65-140			
n-Butylbenzene	8.86	0.91	ppmv	9.11		97	70-130			
sec-Butylbenzene	9.03	0.91	ppmv	9.11		99	70-125			
tert-Butylbenzene	9.06	0.91	ppmv	9.11		99	70-125			
Carbon tetrachloride	7.46	0.79	ppmv	7.95		94	65-140			
Chlorobenzene	10.5	1.2	ppmv	10.9		97	75-120			
Chloroethane	18.1	1.9	ppmv	18.9		95	60-140			
Chloroform	10.1	1.0	ppmv	10.2		98	70-130			
Chloromethane	21.1	2.4	ppmv	24.2		87	50-140			
2-Chlorotoluene	9.56	1.0	ppmv	9.66		99	70-125			
4-Chlorotoluene	9.73	1.0	ppmv	9.66		101	75-125			
1,2-Dibromo-3-chloropropane	4.19	1.0	ppmv	5.17		81	50-135			
Dibromochloromethane	5.95	0.59	ppmv	5.87		101	70-140			
1,2-Dibromoethane (EDB)	6.37	0.65	ppmv	6.51		98	75-125			
Dibromomethane	7.19	0.70	ppmv	7.03		102	70-125			
1,2-Dichlorobenzene	8.49	0.83	ppmv	8.32		102	75-120			
1,3-Dichlorobenzene	8.42	0.83	ppmv	8.32		101	75-120			
1,4-Dichlorobenzene	8.22	0.83	ppmv	8.32		99	75-120			
Dichlorodifluoromethane	8.72	1.0	ppmv	10.1		86	35-155			
1,1-Dichloroethane	12.5	1.2	ppmv	12.4		101	70-125			
1,2-Dichloroethane	11.6	1.2	ppmv	12.4		94	60-140			
1,1-Dichloroethene	13.4	1.3	ppmv	12.6		106	70-125			
cis-1,2-Dichloroethene	14.1	1.3	ppmv	12.6		112	70-125			
trans-1,2-Dichloroethene	13.5	1.3	ppmv	12.6		107	70-125			
1,2-Dichloropropane	11.2	1.1	ppmv	10.8		104	70-125			
1,3-Dichloropropane	11.3	1.1	ppmv	10.8		105	70-120			
2,2-Dichloropropane	11.1	1.1	ppmv	10.8		103	65-140			
cis-1,3-Dichloropropene	11.9	1.1	ppmv	11.0		108	75-125			
trans-1,3-Dichloropropene	12.3	1.1	ppmv	11.0		112	70-125			
1,1-Dichloropropene	10.6	1.1	ppmv	11.0		97	75-130			
Ethylbenzene	11.6	1.2	ppmv	11.5		101	75-125			

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0636 Extracted: 11/05/10										
LCS Analyzed: 11/05/2010 (10K0636-BS1)										
Hexachlorobutadiene	4.71	0.47	ppmv	4.69		101	65-135			
Isopropylbenzene	9.55	1.0	ppmv	10.2		94	75-130			
p-Isopropyltoluene	8.83	0.91	ppmv	9.11		97	75-125			
Methylene chloride	13.8	1.4	ppmv	14.4		96	55-130			
Naphthalene	9.81	1.0	ppmv	9.54		103	55-135			
n-Propylbenzene	9.97	1.0	ppmv	10.2		98	75-130			
Styrene	12.5	2.4	ppmv	11.7		107	75-130			
1,1,1,2-Tetrachloroethane	7.33	0.73	ppmv	7.28		101	70-130			
1,2,2-Tetrachloroethane	7.03	0.73	ppmv	7.28		96	55-130			
trachloroethene	6.97	0.74	ppmv	7.37		95	70-125			
luene	13.6	1.3	ppmv	13.3		103	70-120			
1,2,3-Trichlorobenzene	7.09	0.67	ppmv	6.74		105	65-125			
1,2,4-Trichlorobenzene	7.34	0.67	ppmv	6.74		109	70-135			
1,1,1-Trichloroethane	9.21	0.92	ppmv	9.16		101	65-135			
1,1,2-Trichloroethane	9.51	0.92	ppmv	9.16		104	70-125			
Trichloroethene	9.13	0.93	ppmv	9.30		98	70-125			
Trichlorofluoromethane	9.26	0.89	ppmv	8.90		104	65-145			
1,2,3-Trichloropropane	7.69	0.83	ppmv	8.29		93	60-130			
1,2,4-Trimethylbenzene	10.6	1.0	ppmv	10.2		104	75-125			
1,3,5-Trimethylbenzene	10.4	1.0	ppmv	10.2		102	75-125			
Vinyl chloride	18.3	2.0	ppmv	19.6		94	55-135			
m,p-Xylenes	24.4	1.2	ppmv	23.0		106	75-125			
Di-isopropyl Ether (DIPE)	12.2	1.2	ppmv	12.0		102	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.4	1.3	ppmv	12.0		95	65-135			
Methyl-tert-butyl Ether (MTBE)	13.8	1.4	ppmv	13.9		99	60-135			
tert-Amyl Methyl Ether (TAME)	11.6	1.2	ppmv	12.0		97	60-135			
tert-Butanol (TBA)	87.8	17	ppmv	82.5		107	70-135			
Surrogate: 4-Bromofluorobenzene	*6.29*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*6.32*		*ppmv*	*6.37*		*99*	*80-120*			
Surrogate: Toluene-d8	*11.9*		*ppmv*	*12.2*		*97*	*80-120*			

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0636 Extracted: 11/05/10										
Duplicate Analyzed: 11/05/2010 (10K0636-DUP1)					**Source: ITK0501-02**					
Benzene	3580	80	ppmv		3120			14	20	
Bromobenzene	ND	39	ppmv		ND				20	
Bromochloromethane	ND	47	ppmv		ND				20	
Bromodichloromethane	ND	38	ppmv		ND				20	
Bromoform	ND	24	ppmv		ND				25	
Bromomethane	ND	65	ppmv		ND				20	
n-Butylbenzene	ND	46	ppmv		ND				20	
sec-Butylbenzene	ND	46	ppmv		ND				20	
tert-Butylbenzene	ND	46	ppmv		ND				20	
Carbon tetrachloride	ND	40	ppmv		ND				25	
Chlorobenzene	ND	60	ppmv		ND				20	
Chloroethane	ND	95	ppmv		ND				20	
Chloroform	ND	50	ppmv		ND				20	
Chloromethane	ND	120	ppmv		ND				25	
2-Chlorotoluene	ND	50	ppmv		ND				20	
4-Chlorotoluene	ND	50	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	50	ppmv		ND				30	
Dibromochloromethane	ND	30	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	32	ppmv		ND				20	
Dibromomethane	ND	35	ppmv		ND				20	
1,2-Dichlorobenzene	ND	42	ppmv		ND				20	
1,3-Dichlorobenzene	ND	42	ppmv		ND				20	
1,4-Dichlorobenzene	ND	42	ppmv		ND				20	
Dichlorodifluoromethane	ND	50	ppmv		ND				30	
1,1-Dichloroethane	ND	60	ppmv		ND				20	
1,2-Dichloroethane	ND	60	ppmv		ND				20	
1,1-Dichloroethene	ND	65	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	65	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	65	ppmv		ND				20	
1,2-Dichloropropane	ND	55	ppmv		ND				20	
1,3-Dichloropropane	ND	55	ppmv		ND				20	
2,2-Dichloropropane	ND	55	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	55	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	55	ppmv		ND				20	
1,1-Dichloropropene	ND	55	ppmv		ND				20	
Ethylbenzene	ND	60	ppmv		ND				20	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0636 Extracted: 11/05/10										
Duplicate Analyzed: 11/05/2010 (10K0636-DUP1)					**Source: ITK0501-02**					
Hexachlorobutadiene	ND	24	ppmv		ND				20	
Isopropylbenzene	ND	50	ppmv		ND				20	
p-Isopropyltoluene	ND	46	ppmv		ND				20	
Methylene chloride	ND	70	ppmv		ND				20	
Naphthalene	ND	50	ppmv		ND				25	
n-Propylbenzene	ND	50	ppmv		ND				20	
Styrene	ND	120	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	36	ppmv		ND				20	
1,2,2-Tetrachloroethane	ND	36	ppmv		ND				25	
trachloroethene	ND	37	ppmv		ND				20	
luene	ND	65	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	34	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	34	ppmv		ND				20	
1,1,1-Trichloroethane	ND	46	ppmv		ND				20	
1,1,2-Trichloroethane	ND	46	ppmv		ND				20	
Trichloroethene	ND	46	ppmv		ND				20	
Trichlorofluoromethane	ND	44	ppmv		ND				20	
1,2,3-Trichloropropane	ND	42	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	50	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	50	ppmv		ND				20	
Vinyl chloride	ND	100	ppmv		ND				30	
m,p-Xylenes	ND	60	ppmv		ND				20	
o-Xylene	ND	60	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	60	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	65	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	70	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	60	ppmv		ND				25	
tert-Butanol (TBA)	ND	850	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*5.94*		*ppmv*	*6.99*		*85*	*80-120*			
Surrogate: Dibromofluoromethane	*6.16*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*11.7*		*ppmv*	*12.2*		*96*	*80-120*			

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Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0738 Extracted: 11/05/10										
Duplicate Analyzed: 11/05/2010 (10K0738-DUP1)					**Source: ITK0501-01**					
Carbon Dioxide	2.73	0.10	% by Volume		2.70			1	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.6	20	% by Volume		77.4			0.2	20	
Oxygen	19.7	5.5	% by Volume		19.9			1	20	

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITK0501	Sampled: 11/04/10 Received: 11/04/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITK0501

Sampled: 11/04/10
Received: 11/04/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test STL Other_____

Lab Identification (if necessary):
- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced: George Landreth

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

[ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY)

SAP or CRMT NUMBER (TS/CRMT)

DATE: 11/04/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
2382 S.E. Bristol, Suite B, Newport Beach, CA 92660		1-949-261-8098	sklemm@c2rem.com	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	sklemm@c2rem.com

SAMPLER NAME(S) (Print): SA, SM.

LAB USE ONLY: ET K0501

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): [x] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet is high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946						TEMPERATURE ON RECEIPT C°
	Effluent	11/4/10	12:00	Air	1 Tedlar														X	X						
	Carbon 1	↓	↓	Air	1 Tedlar														X	X						
	Post Ambient Air			Air	1 Tedlar														X	X						
	Inlet			Air	1 Tedlar														X	X						
	Post Ambient Air Dup			Air	1 Tedlar														X	X						0.0 11/4/10 16:35

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		11/04/2010	14:25
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

11/18/05 Revision

Q&Q Graphic (714) 898-9702

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THE LEADER IN ENVIRONMENTAL TESTING
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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 12/15/10
Received: 12/15/10
Issued: 01/03/11 16:55

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 22°C and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ITL1483-01	Effluent	Air
ITL1483-02	Carbon 1	Air
ITL1483-03	Post Ambient Air	Air
ITL1483-04	Inlet	Air
ITL1483-05	Post Ambient Air Dup	Air

Reviewed By:

stAmerica Irvine

Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10L1869	1.6	ND	1	12/16/2010	12/16/2010	
Bromobenzene	EPA 8260B MOD	10L1869	0.78	ND	1	12/16/2010	12/16/2010	
Bromochloromethane	EPA 8260B MOD	10L1869	0.94	ND	1	12/16/2010	12/16/2010	
Bromodichloromethane	EPA 8260B MOD	10L1869	0.75	ND	1	12/16/2010	12/16/2010	
Bromoform	EPA 8260B MOD	10L1869	0.48	ND	1	12/16/2010	12/16/2010	
Bromomethane	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
n-Butylbenzene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10L1869	0.79	ND	1	12/16/2010	12/16/2010	
Chlorobenzene	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Chloroethane	EPA 8260B MOD	10L1869	1.9	ND	1	12/16/2010	12/16/2010	
Chloroform	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
Chloromethane	EPA 8260B MOD	10L1869	2.4	ND	1	12/16/2010	12/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
4-Chlorotoluene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
Dibromochloromethane	EPA 8260B MOD	10L1869	0.59	ND	1	12/16/2010	12/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10L1869	0.65	ND	1	12/16/2010	12/16/2010	
Dibromomethane	EPA 8260B MOD	10L1869	0.70	ND	1	12/16/2010	12/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
Ethylbenzene	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10L1869	0.47	ND	1	12/16/2010	12/16/2010	
Isopropylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
Methylene chloride	EPA 8260B MOD	10L1869	1.4	ND	1	12/16/2010	12/16/2010	
Naphthalene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
Styrene	EPA 8260B MOD	10L1869	2.4	ND	1	12/16/2010	12/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10L1869	0.73	ND	1	12/16/2010	12/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10L1869	0.73	ND	1	12/16/2010	12/16/2010	
Tetrachloroethene	EPA 8260B MOD	10L1869	0.74	ND	1	12/16/2010	12/16/2010	
Toluene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10L1869	0.67	ND	1	12/16/2010	12/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10L1869	0.67	ND	1	12/16/2010	12/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10L1869	0.92	ND	1	12/16/2010	12/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10L1869	0.92	ND	1	12/16/2010	12/16/2010	
Trichloroethene	EPA 8260B MOD	10L1869	0.93	ND	1	12/16/2010	12/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10L1869	0.89	ND	1	12/16/2010	12/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
nyl chloride	EPA 8260B MOD	10L1869	2.0	ND	1	12/16/2010	12/16/2010	
m,p-Xylenes	EPA 8260B MOD	10L1869	1.2	**1.6**	1	12/16/2010	12/16/2010	
o-Xylene	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10L1869	1.4	ND	1	12/16/2010	12/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10L1869	17	ND	1	12/16/2010	12/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10L1869	1.6	ND	1	12/16/2010	12/16/2010	
Bromobenzene	EPA 8260B MOD	10L1869	0.78	ND	1	12/16/2010	12/16/2010	
Bromochloromethane	EPA 8260B MOD	10L1869	0.94	ND	1	12/16/2010	12/16/2010	
Bromodichloromethane	EPA 8260B MOD	10L1869	0.75	ND	1	12/16/2010	12/16/2010	
Bromoform	EPA 8260B MOD	10L1869	0.48	ND	1	12/16/2010	12/16/2010	
Bromomethane	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
n-Butylbenzene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10L1869	0.79	ND	1	12/16/2010	12/16/2010	
Chlorobenzene	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Chloroethane	EPA 8260B MOD	10L1869	1.9	ND	1	12/16/2010	12/16/2010	
Chloroform	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
Chloromethane	EPA 8260B MOD	10L1869	2.4	ND	1	12/16/2010	12/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
4-Chlorotoluene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
Dibromochloromethane	EPA 8260B MOD	10L1869	0.59	ND	1	12/16/2010	12/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10L1869	0.65	ND	1	12/16/2010	12/16/2010	
Dibromomethane	EPA 8260B MOD	10L1869	0.70	ND	1	12/16/2010	12/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10L1869	1.1	ND	1	12/16/2010	12/16/2010	
Ethylbenzene	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10L1869	0.47	ND	1	12/16/2010	12/16/2010	
Isopropylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10L1869	0.91	ND	1	12/16/2010	12/16/2010	
Methylene chloride	EPA 8260B MOD	10L1869	1.4	ND	1	12/16/2010	12/16/2010	
Naphthalene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
Styrene	EPA 8260B MOD	10L1869	2.4	ND	1	12/16/2010	12/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10L1869	0.73	ND	1	12/16/2010	12/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10L1869	0.73	ND	1	12/16/2010	12/16/2010	
Tetrachloroethene	EPA 8260B MOD	10L1869	0.74	ND	1	12/16/2010	12/16/2010	
Toluene	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10L1869	0.67	ND	1	12/16/2010	12/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10L1869	0.67	ND	1	12/16/2010	12/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10L1869	0.92	ND	1	12/16/2010	12/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10L1869	0.92	ND	1	12/16/2010	12/16/2010	
Trichloroethene	EPA 8260B MOD	10L1869	0.93	ND	1	12/16/2010	12/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10L1869	0.89	ND	1	12/16/2010	12/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10L1869	0.83	ND	1	12/16/2010	12/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10L1869	1.0	ND	1	12/16/2010	12/16/2010	
ıyl chloride	EPA 8260B MOD	10L1869	2.0	ND	1	12/16/2010	12/16/2010	
ı,p-Xylenes	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
o-Xylene	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10L1869	1.3	ND	1	12/16/2010	12/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10L1869	1.4	ND	1	12/16/2010	12/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10L1869	1.2	ND	1	12/16/2010	12/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10L1869	17	ND	1	12/16/2010	12/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10L1869	40	**1400**	25	12/16/2010	12/16/2010	
Bromobenzene	EPA 8260B MOD	10L1869	20	ND	25	12/16/2010	12/16/2010	
Bromochloromethane	EPA 8260B MOD	10L1869	24	ND	25	12/16/2010	12/16/2010	
Bromodichloromethane	EPA 8260B MOD	10L1869	19	ND	25	12/16/2010	12/16/2010	
Bromoform	EPA 8260B MOD	10L1869	12	ND	25	12/16/2010	12/16/2010	
Bromomethane	EPA 8260B MOD	10L1869	32	ND	25	12/16/2010	12/16/2010	
n-Butylbenzene	EPA 8260B MOD	10L1869	23	ND	25	12/16/2010	12/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10L1869	23	ND	25	12/16/2010	12/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10L1869	23	ND	25	12/16/2010	12/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10L1869	20	ND	25	12/16/2010	12/16/2010	
Chlorobenzene	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
Chloroethane	EPA 8260B MOD	10L1869	48	ND	25	12/16/2010	12/16/2010	
Chloroform	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
Chloromethane	EPA 8260B MOD	10L1869	60	ND	25	12/16/2010	12/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
4-Chlorotoluene	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
Dibromochloromethane	EPA 8260B MOD	10L1869	15	ND	25	12/16/2010	12/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10L1869	16	ND	25	12/16/2010	12/16/2010	
Dibromomethane	EPA 8260B MOD	10L1869	18	ND	25	12/16/2010	12/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10L1869	21	ND	25	12/16/2010	12/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10L1869	21	ND	25	12/16/2010	12/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10L1869	21	ND	25	12/16/2010	12/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10L1869	32	ND	25	12/16/2010	12/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10L1869	32	ND	25	12/16/2010	12/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10L1869	32	ND	25	12/16/2010	12/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10L1869	28	ND	25	12/16/2010	12/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10L1869	28	ND	25	12/16/2010	12/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10L1869	28	ND	25	12/16/2010	12/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10L1869	28	ND	25	12/16/2010	12/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10L1869	28	ND	25	12/16/2010	12/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10L1869	28	ND	25	12/16/2010	12/16/2010	
Ethylbenzene	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10L1869	12	ND	25	12/16/2010	12/16/2010	
Isopropylbenzene	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10L1869	23	ND	25	12/16/2010	12/16/2010	
Methylene chloride	EPA 8260B MOD	10L1869	70	**86**	50	12/16/2010	12/16/2010	
Naphthalene	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
Styrene	EPA 8260B MOD	10L1869	60	ND	25	12/16/2010	12/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10L1869	18	ND	25	12/16/2010	12/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10L1869	18	ND	25	12/16/2010	12/16/2010	
Tetrachloroethene	EPA 8260B MOD	10L1869	18	ND	25	12/16/2010	12/16/2010	
Toluene	EPA 8260B MOD	10L1869	32	ND	25	12/16/2010	12/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10L1869	17	ND	25	12/16/2010	12/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10L1869	17	ND	25	12/16/2010	12/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10L1869	23	ND	25	12/16/2010	12/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10L1869	23	ND	25	12/16/2010	12/16/2010	
Trichloroethene	EPA 8260B MOD	10L1869	23	ND	25	12/16/2010	12/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10L1869	22	ND	25	12/16/2010	12/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10L1869	21	ND	25	12/16/2010	12/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10L1869	25	ND	25	12/16/2010	12/16/2010	
yl chloride	EPA 8260B MOD	10L1869	50	ND	25	12/16/2010	12/16/2010	
m,p-Xylenes	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
o-Xylene	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10L1869	32	ND	25	12/16/2010	12/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10L1869	35	ND	25	12/16/2010	12/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10L1869	30	ND	25	12/16/2010	12/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10L1869	420	ND	25	12/16/2010	12/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10L1869	320	**6300**	200	12/16/2010	12/16/2010	
Bromobenzene	EPA 8260B MOD	10L1869	160	ND	200	12/16/2010	12/16/2010	
Bromochloromethane	EPA 8260B MOD	10L1869	190	ND	200	12/16/2010	12/16/2010	
Bromodichloromethane	EPA 8260B MOD	10L1869	150	ND	200	12/16/2010	12/16/2010	
Bromoform	EPA 8260B MOD	10L1869	96	ND	200	12/16/2010	12/16/2010	
Bromomethane	EPA 8260B MOD	10L1869	260	ND	200	12/16/2010	12/16/2010	
n-Butylbenzene	EPA 8260B MOD	10L1869	180	ND	200	12/16/2010	12/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10L1869	180	ND	200	12/16/2010	12/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10L1869	180	ND	200	12/16/2010	12/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10L1869	160	ND	200	12/16/2010	12/16/2010	
Chlorobenzene	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
Chloroethane	EPA 8260B MOD	10L1869	380	ND	200	12/16/2010	12/16/2010	
Chloroform	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
Chloromethane	EPA 8260B MOD	10L1869	480	ND	200	12/16/2010	12/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
4-Chlorotoluene	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
Dibromochloromethane	EPA 8260B MOD	10L1869	120	ND	200	12/16/2010	12/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10L1869	130	ND	200	12/16/2010	12/16/2010	
Dibromomethane	EPA 8260B MOD	10L1869	140	ND	200	12/16/2010	12/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10L1869	170	ND	200	12/16/2010	12/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10L1869	170	ND	200	12/16/2010	12/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10L1869	170	ND	200	12/16/2010	12/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10L1869	260	ND	200	12/16/2010	12/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10L1869	260	ND	200	12/16/2010	12/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10L1869	260	ND	200	12/16/2010	12/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10L1869	220	ND	200	12/16/2010	12/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10L1869	220	ND	200	12/16/2010	12/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10L1869	220	ND	200	12/16/2010	12/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10L1869	220	ND	200	12/16/2010	12/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10L1869	220	ND	200	12/16/2010	12/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10L1869	220	ND	200	12/16/2010	12/16/2010	
Ethylbenzene	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10L1869	94	ND	200	12/16/2010	12/16/2010	
Isopropylbenzene	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10L1869	180	ND	200	12/16/2010	12/16/2010	
Methylene chloride	EPA 8260B MOD	10L1869	280	ND	200	12/16/2010	12/16/2010	
Naphthalene	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
Styrene	EPA 8260B MOD	10L1869	480	ND	200	12/16/2010	12/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10L1869	150	ND	200	12/16/2010	12/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10L1869	150	ND	200	12/16/2010	12/16/2010	
Tetrachloroethene	EPA 8260B MOD	10L1869	150	ND	200	12/16/2010	12/16/2010	
Toluene	EPA 8260B MOD	10L1869	260	ND	200	12/16/2010	12/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10L1869	130	ND	200	12/16/2010	12/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10L1869	130	ND	200	12/16/2010	12/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10L1869	180	ND	200	12/16/2010	12/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10L1869	180	ND	200	12/16/2010	12/16/2010	
Trichloroethene	EPA 8260B MOD	10L1869	190	ND	200	12/16/2010	12/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10L1869	180	ND	200	12/16/2010	12/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10L1869	170	ND	200	12/16/2010	12/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10L1869	200	ND	200	12/16/2010	12/16/2010	
[illegible]nyl chloride	EPA 8260B MOD	10L1869	400	ND	200	12/16/2010	12/16/2010	
m,p-Xylenes	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
o-Xylene	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10L1869	260	ND	200	12/16/2010	12/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10L1869	280	ND	200	12/16/2010	12/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10L1869	240	ND	200	12/16/2010	12/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10L1869	3400	ND	200	12/16/2010	12/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	10L1869	80	**2300**	50	12/16/2010	12/16/2010	
Bromobenzene	EPA 8260B MOD	10L1869	39	ND	50	12/16/2010	12/16/2010	
Bromochloromethane	EPA 8260B MOD	10L1869	47	ND	50	12/16/2010	12/16/2010	
Bromodichloromethane	EPA 8260B MOD	10L1869	38	ND	50	12/16/2010	12/16/2010	
Bromoform	EPA 8260B MOD	10L1869	24	ND	50	12/16/2010	12/16/2010	
Bromomethane	EPA 8260B MOD	10L1869	65	ND	50	12/16/2010	12/16/2010	
n-Butylbenzene	EPA 8260B MOD	10L1869	46	ND	50	12/16/2010	12/16/2010	
sec-Butylbenzene	EPA 8260B MOD	10L1869	46	ND	50	12/16/2010	12/16/2010	
tert-Butylbenzene	EPA 8260B MOD	10L1869	46	ND	50	12/16/2010	12/16/2010	
Carbon tetrachloride	EPA 8260B MOD	10L1869	40	ND	50	12/16/2010	12/16/2010	
Chlorobenzene	EPA 8260B MOD	10L1869	60	ND	50	12/16/2010	12/16/2010	
Chloroethane	EPA 8260B MOD	10L1869	95	ND	50	12/16/2010	12/16/2010	
Chloroform	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
Chloromethane	EPA 8260B MOD	10L1869	120	ND	50	12/16/2010	12/16/2010	
2-Chlorotoluene	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
4-Chlorotoluene	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
Dibromochloromethane	EPA 8260B MOD	10L1869	30	ND	50	12/16/2010	12/16/2010	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	10L1869	32	ND	50	12/16/2010	12/16/2010	
Dibromomethane	EPA 8260B MOD	10L1869	35	ND	50	12/16/2010	12/16/2010	
1,2-Dichlorobenzene	EPA 8260B MOD	10L1869	42	ND	50	12/16/2010	12/16/2010	
1,3-Dichlorobenzene	EPA 8260B MOD	10L1869	42	ND	50	12/16/2010	12/16/2010	
1,4-Dichlorobenzene	EPA 8260B MOD	10L1869	42	ND	50	12/16/2010	12/16/2010	
Dichlorodifluoromethane	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
1,1-Dichloroethane	EPA 8260B MOD	10L1869	60	ND	50	12/16/2010	12/16/2010	
1,2-Dichloroethane	EPA 8260B MOD	10L1869	60	ND	50	12/16/2010	12/16/2010	
1,1-Dichloroethene	EPA 8260B MOD	10L1869	65	ND	50	12/16/2010	12/16/2010	
cis-1,2-Dichloroethene	EPA 8260B MOD	10L1869	65	ND	50	12/16/2010	12/16/2010	
trans-1,2-Dichloroethene	EPA 8260B MOD	10L1869	65	ND	50	12/16/2010	12/16/2010	
1,2-Dichloropropane	EPA 8260B MOD	10L1869	55	ND	50	12/16/2010	12/16/2010	
1,3-Dichloropropane	EPA 8260B MOD	10L1869	55	ND	50	12/16/2010	12/16/2010	
2,2-Dichloropropane	EPA 8260B MOD	10L1869	55	ND	50	12/16/2010	12/16/2010	
cis-1,3-Dichloropropene	EPA 8260B MOD	10L1869	55	ND	50	12/16/2010	12/16/2010	
trans-1,3-Dichloropropene	EPA 8260B MOD	10L1869	55	ND	50	12/16/2010	12/16/2010	
1,1-Dichloropropene	EPA 8260B MOD	10L1869	55	ND	50	12/16/2010	12/16/2010	
Ethylbenzene	EPA 8260B MOD	10L1869	60	**100**	50	12/16/2010	12/16/2010	
Hexachlorobutadiene	EPA 8260B MOD	10L1869	24	ND	50	12/16/2010	12/16/2010	
Isopropylbenzene	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
p-Isopropyltoluene	EPA 8260B MOD	10L1869	46	ND	50	12/16/2010	12/16/2010	
Methylene chloride	EPA 8260B MOD	10L1869	70	**70**	50	12/16/2010	12/16/2010	
Naphthalene	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
Styrene	EPA 8260B MOD	10L1869	120	ND	50	12/16/2010	12/16/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	10L1869	36	ND	50	12/16/2010	12/16/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	10L1869	36	ND	50	12/16/2010	12/16/2010	
Tetrachloroethene	EPA 8260B MOD	10L1869	37	ND	50	12/16/2010	12/16/2010	
Toluene	EPA 8260B MOD	10L1869	65	ND	50	12/16/2010	12/16/2010	
1,2,3-Trichlorobenzene	EPA 8260B MOD	10L1869	34	ND	50	12/16/2010	12/16/2010	
1,2,4-Trichlorobenzene	EPA 8260B MOD	10L1869	34	ND	50	12/16/2010	12/16/2010	
1,1,1-Trichloroethane	EPA 8260B MOD	10L1869	46	ND	50	12/16/2010	12/16/2010	
1,1,2-Trichloroethane	EPA 8260B MOD	10L1869	46	ND	50	12/16/2010	12/16/2010	
Trichloroethene	EPA 8260B MOD	10L1869	46	ND	50	12/16/2010	12/16/2010	
Trichlorofluoromethane	EPA 8260B MOD	10L1869	44	ND	50	12/16/2010	12/16/2010	
1,2,3-Trichloropropane	EPA 8260B MOD	10L1869	42	ND	50	12/16/2010	12/16/2010	
1,2,4-Trimethylbenzene	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
1,3,5-Trimethylbenzene	EPA 8260B MOD	10L1869	50	ND	50	12/16/2010	12/16/2010	
nyl chloride	EPA 8260B MOD	10L1869	100	ND	50	12/16/2010	12/16/2010	
m,p-Xylenes	EPA 8260B MOD	10L1869	60	ND	50	12/16/2010	12/16/2010	
o-Xylene	EPA 8260B MOD	10L1869	60	ND	50	12/16/2010	12/16/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	10L1869	60	ND	50	12/16/2010	12/16/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	10L1869	65	ND	50	12/16/2010	12/16/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	10L1869	70	ND	50	12/16/2010	12/16/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	10L1869	60	ND	50	12/16/2010	12/16/2010	
tert-Butanol (TBA)	EPA 8260B MOD	10L1869	850	ND	50	12/16/2010	12/16/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project ID: 97-101, Shell
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Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1483-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10L1892	0.10	**2.5**	1	12/16/2010	12/16/2010	
Carbon Monoxide	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Methane	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Nitrogen	ASTM D1946-90	10L1892	20	**77**	1	12/16/2010	12/16/2010	
Oxygen	ASTM D1946-90	10L1892	5.5	**20**	1	12/16/2010	12/16/2010	
Sample ID: ITL1483-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10L1892	0.10	**2.4**	1	12/16/2010	12/16/2010	
Carbon Monoxide	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Methane	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Nitrogen	ASTM D1946-90	10L1892	20	**77**	1	12/16/2010	12/16/2010	
Oxygen	ASTM D1946-90	10L1892	5.5	**20**	1	12/16/2010	12/16/2010	
Sample ID: ITL1483-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10L1892	0.10	**2.3**	1	12/16/2010	12/16/2010	
Carbon Monoxide	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Methane	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Nitrogen	ASTM D1946-90	10L1892	20	**78**	1	12/16/2010	12/16/2010	
Oxygen	ASTM D1946-90	10L1892	5.5	**20**	1	12/16/2010	12/16/2010	
Sample ID: ITL1483-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10L1892	0.10	**19**	1	12/16/2010	12/16/2010	
Carbon Monoxide	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Methane	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Nitrogen	ASTM D1946-90	10L1892	20	**74**	1	12/16/2010	12/16/2010	
Oxygen	ASTM D1946-90	10L1892	5.5	**7.5**	1	12/16/2010	12/16/2010	
Sample ID: ITL1483-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	10L1892	0.10	**2.3**	1	12/16/2010	12/16/2010	
Carbon Monoxide	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Methane	ASTM D1946-90	10L1892	0.10	ND	1	12/16/2010	12/16/2010	
Nitrogen	ASTM D1946-90	10L1892	20	**78**	1	12/16/2010	12/16/2010	
Oxygen	ASTM D1946-90	10L1892	5.5	**20**	1	12/16/2010	12/16/2010	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (ITL1483-01) - Air					
ASTM D1946-90	3	12/15/2010 13:25	12/15/2010 15:30	12/16/2010 14:22	12/16/2010 14:22
EPA 8260B MOD	3	12/15/2010 13:25	12/15/2010 15:30	12/16/2010 10:10	12/16/2010 12:58
Sample ID: Carbon 1 (ITL1483-02) - Air					
ASTM D1946-90	3	12/15/2010 13:30	12/15/2010 15:30	12/16/2010 15:01	12/16/2010 15:01
EPA 8260B MOD	3	12/15/2010 13:30	12/15/2010 15:30	12/16/2010 10:32	12/16/2010 13:26
Sample ID: Post Ambient Air (ITL1483-03) - Air					
ASTM D1946-90	3	12/15/2010 13:35	12/15/2010 15:30	12/16/2010 15:19	12/16/2010 15:19
EPA 8260B MOD	3	12/15/2010 13:35	12/15/2010 15:30	12/16/2010 10:11	12/16/2010 13:54
Sample ID: Inlet (ITL1483-04) - Air					
ASTM D1946-90	3	12/15/2010 13:40	12/15/2010 15:30	12/16/2010 15:38	12/16/2010 15:38
EPA 8260B MOD	3	12/15/2010 13:40	12/15/2010 15:30	12/16/2010 10:33	12/16/2010 14:50
Sample ID: Post Ambient Air Dup (ITL1483-05) - Air					
ASTM D1946-90	3	12/15/2010 13:35	12/15/2010 15:30	12/16/2010 15:57	12/16/2010 15:57
EPA 8260B MOD	3	12/15/2010 13:35	12/15/2010 15:30	12/16/2010 15:08	12/16/2010 15:47

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1869 Extracted: 12/16/10										
Blank Analyzed: 12/16/2010 (10L1869-BLK1)										
Benzene	ND	1.6	ppmv							
Bromobenzene	ND	0.78	ppmv							
Bromochloromethane	ND	0.94	ppmv							
Bromodichloromethane	ND	0.75	ppmv							
Bromoform	ND	0.48	ppmv							
Bromomethane	ND	1.3	ppmv							
n-Butylbenzene	ND	0.91	ppmv							
sec-Butylbenzene	ND	0.91	ppmv							
tert-Butylbenzene	ND	0.91	ppmv							
Carbon tetrachloride	ND	0.79	ppmv							
Chlorobenzene	ND	1.2	ppmv							
Chloroethane	ND	1.9	ppmv							
Chloroform	ND	1.0	ppmv							
Chloromethane	ND	2.4	ppmv							
2-Chlorotoluene	ND	1.0	ppmv							
4-Chlorotoluene	ND	1.0	ppmv							
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv							
Dibromochloromethane	ND	0.59	ppmv							
1,2-Dibromoethane (EDB)	ND	0.65	ppmv							
Dibromomethane	ND	0.70	ppmv							
1,2-Dichlorobenzene	ND	0.83	ppmv							
1,3-Dichlorobenzene	ND	0.83	ppmv							
1,4-Dichlorobenzene	ND	0.83	ppmv							
Dichlorodifluoromethane	ND	1.0	ppmv							
1,1-Dichloroethane	ND	1.2	ppmv							
1,2-Dichloroethane	ND	1.2	ppmv							
1,1-Dichloroethene	ND	1.3	ppmv							
cis-1,2-Dichloroethene	ND	1.3	ppmv							
trans-1,2-Dichloroethene	ND	1.3	ppmv							
1,2-Dichloropropane	ND	1.1	ppmv							
1,3-Dichloropropane	ND	1.1	ppmv							
2,2-Dichloropropane	ND	1.1	ppmv							
cis-1,3-Dichloropropene	ND	1.1	ppmv							
trans-1,3-Dichloropropene	ND	1.1	ppmv							
1,1-Dichloropropene	ND	1.1	ppmv							
Ethylbenzene	ND	1.2	ppmv							

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1869 Extracted: 12/16/10										
Blank Analyzed: 12/16/2010 (10L1869-BLK1)										
Hexachlorobutadiene	ND	0.47	ppmv							
Isopropylbenzene	ND	1.0	ppmv							
p-Isopropyltoluene	ND	0.91	ppmv							
Methylene chloride	ND	1.4	ppmv							
Naphthalene	ND	1.0	ppmv							
n-Propylbenzene	ND	1.0	ppmv							
Styrene	ND	2.4	ppmv							
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv							
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv							
Tetrachloroethene	ND	0.74	ppmv							
Toluene	ND	1.3	ppmv							
1,2,3-Trichlorobenzene	ND	0.67	ppmv							
1,2,4-Trichlorobenzene	ND	0.67	ppmv							
1,1,1-Trichloroethane	ND	0.92	ppmv							
1,1,2-Trichloroethane	ND	0.92	ppmv							
Trichloroethene	ND	0.93	ppmv							
Trichlorofluoromethane	ND	0.89	ppmv							
1,2,3-Trichloropropane	ND	0.83	ppmv							
1,2,4-Trimethylbenzene	ND	1.0	ppmv							
1,3,5-Trimethylbenzene	ND	1.0	ppmv							
Vinyl chloride	ND	2.0	ppmv							
m,p-Xylenes	ND	1.2	ppmv							
o-Xylene	ND	1.2	ppmv							
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv							
tert-Butanol (TBA)	ND	17	ppmv							
Surrogate: 4-Bromofluorobenzene	*6.76*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.51*		*ppmv*	*6.37*		*102*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*101*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1869 Extracted: 12/16/10										
LCS Analyzed: 12/16/2010 (10L1869-BS1)										
Benzene	15.3	1.6	ppmv	15.7		98	70-120			
Bromobenzene	7.84	0.78	ppmv	7.79		101	75-120			
Bromochloromethane	9.62	0.94	ppmv	9.45		102	70-130			
Bromodichloromethane	8.51	0.75	ppmv	7.46		114	70-135			
Bromoform	5.19	0.48	ppmv	4.84		107	55-130			
Bromomethane	12.5	1.3	ppmv	12.9		97	65-140			
n-Butylbenzene	9.66	0.91	ppmv	9.11		106	70-130			
sec-Butylbenzene	9.59	0.91	ppmv	9.11		105	70-125			
tert-Butylbenzene	9.38	0.91	ppmv	9.11		103	70-125			
Carbon tetrachloride	8.68	0.79	ppmv	7.95		109	65-140			
Chlorobenzene	10.5	1.2	ppmv	10.9		97	75-120			
Chloroethane	18.1	1.9	ppmv	18.9		96	60-140			
Chloroform	10.8	1.0	ppmv	10.2		105	70-130			
Chloromethane	22.5	2.4	ppmv	24.2		93	50-140			
2-Chlorotoluene	9.89	1.0	ppmv	9.66		102	70-125			
4-Chlorotoluene	9.99	1.0	ppmv	9.66		103	75-125			
1,2-Dibromo-3-chloropropane	5.64	1.0	ppmv	5.17		109	50-135			
Dibromochloromethane	5.43	0.59	ppmv	5.87		92	70-140			
1,2-Dibromoethane (EDB)	6.69	0.65	ppmv	6.51		103	75-125			
Dibromomethane	7.51	0.70	ppmv	7.03		107	70-125			
1,2-Dichlorobenzene	8.61	0.83	ppmv	8.32		104	75-120			
1,3-Dichlorobenzene	8.51	0.83	ppmv	8.32		102	75-120			
1,4-Dichlorobenzene	8.17	0.83	ppmv	8.32		98	75-120			
Dichlorodifluoromethane	9.93	1.0	ppmv	10.1		98	35-155			
1,1-Dichloroethane	13.6	1.2	ppmv	12.4		110	70-125			
1,2-Dichloroethane	13.4	1.2	ppmv	12.4		108	60-140			
1,1-Dichloroethene	12.6	1.3	ppmv	12.6		100	70-125			
cis-1,2-Dichloroethene	13.1	1.3	ppmv	12.6		104	70-125			
trans-1,2-Dichloroethene	13.0	1.3	ppmv	12.6		103	70-125			
1,2-Dichloropropane	11.7	1.1	ppmv	10.8		109	70-125			
1,3-Dichloropropane	11.2	1.1	ppmv	10.8		104	70-120			
2,2-Dichloropropane	14.2	1.1	ppmv	10.8		131	65-140			
cis-1,3-Dichloropropene	12.5	1.1	ppmv	11.0		113	75-125			
trans-1,3-Dichloropropene	13.3	1.1	ppmv	11.0		121	70-125			
1,1-Dichloropropene	11.7	1.1	ppmv	11.0		106	75-130			
Ethylbenzene	11.5	1.2	ppmv	11.5		100	75-125			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1869 Extracted: 12/16/10										
LCS Analyzed: 12/16/2010 (10L1869-BS1)										
Hexachlorobutadiene	5.22	0.47	ppmv	4.69		111	65-135			
Isopropylbenzene	10.0	1.0	ppmv	10.2		99	75-130			
p-Isopropyltoluene	9.46	0.91	ppmv	9.11		104	75-125			
Methylene chloride	13.4	1.4	ppmv	14.4		93	55-130			
Naphthalene	9.55	1.0	ppmv	9.54		100	55-135			
n-Propylbenzene	10.6	1.0	ppmv	10.2		105	75-130			
Styrene	12.0	2.4	ppmv	11.7		102	75-130			
1,1,1,2-Tetrachloroethane	6.72	0.73	ppmv	7.28		92	70-130			
1,1,2,2-Tetrachloroethane	8.25	0.73	ppmv	7.28		113	55-130			
Tetrachloroethene	7.07	0.74	ppmv	7.37		96	70-125			
uene	13.0	1.3	ppmv	13.3		98	70-120			
1,2,3-Trichlorobenzene	6.96	0.67	ppmv	6.74		103	65-125			
1,2,4-Trichlorobenzene	6.97	0.67	ppmv	6.74		103	70-135			
1,1,1-Trichloroethane	11.1	0.92	ppmv	9.16		121	65-135			
1,1,2-Trichloroethane	9.39	0.92	ppmv	9.16		102	70-125			
Trichloroethene	9.27	0.93	ppmv	9.30		100	70-125			
Trichlorofluoromethane	10.7	0.89	ppmv	8.90		120	65-145			
1,2,3-Trichloropropane	8.91	0.83	ppmv	8.29		107	60-130			
1,2,4-Trimethylbenzene	10.6	1.0	ppmv	10.2		105	75-125			
1,3,5-Trimethylbenzene	10.6	1.0	ppmv	10.2		104	75-125			
Vinyl chloride	19.0	2.0	ppmv	19.6		97	55-135			
m,p-Xylenes	22.9	1.2	ppmv	23.0		100	75-125			
Di-isopropyl Ether (DIPE)	11.9	1.2	ppmv	12.0		99	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.0	1.3	ppmv	12.0		100	65-135			
Methyl-tert-butyl Ether (MTBE)	13.6	1.4	ppmv	13.9		98	60-135			
tert-Amyl Methyl Ether (TAME)	12.0	1.2	ppmv	12.0		100	60-135			
tert-Butanol (TBA)	84.1	17	ppmv	82.5		102	70-135			
Surrogate: 4-Bromofluorobenzene	*6.92*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*6.72*		*ppmv*	*6.37*		*106*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

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97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1869 Extracted: 12/16/10										
Duplicate Analyzed: 12/16/2010 (10L1869-DUP1)					**Source: ITL1525-01**					
Benzene	ND	1.6	ppmv		ND				20	
Bromobenzene	ND	0.78	ppmv		ND				20	
Bromochloromethane	ND	0.94	ppmv		ND				20	
Bromodichloromethane	ND	0.75	ppmv		ND				20	
Bromoform	ND	0.48	ppmv		ND				25	
Bromomethane	ND	1.3	ppmv		ND				20	
n-Butylbenzene	ND	0.91	ppmv		ND				20	
sec-Butylbenzene	ND	0.91	ppmv		ND				20	
tert-Butylbenzene	ND	0.91	ppmv		ND				20	
Carbon tetrachloride	0.191	0.79	ppmv		0.200			5	25	
Chlorobenzene	ND	1.2	ppmv		ND				20	
Chloroethane	ND	1.9	ppmv		ND				20	
Chloroform	45.0	1.0	ppmv		47.9			6	20	
Chloromethane	ND	2.4	ppmv		ND				25	
2-Chlorotoluene	ND	1.0	ppmv		ND				20	
4-Chlorotoluene	ND	1.0	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	1.0	ppmv		ND				30	
Dibromochloromethane	ND	0.59	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	0.65	ppmv		ND				20	
Dibromomethane	ND	0.70	ppmv		ND				20	
1,2-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,3-Dichlorobenzene	ND	0.83	ppmv		ND				20	
1,4-Dichlorobenzene	ND	0.83	ppmv		ND				20	
Dichlorodifluoromethane	ND	1.0	ppmv		ND				30	
1,1-Dichloroethane	ND	1.2	ppmv		ND				20	
1,2-Dichloroethane	ND	1.2	ppmv		ND				20	
1,1-Dichloroethene	ND	1.3	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	1.3	ppmv		ND				20	
1,2-Dichloropropane	ND	1.1	ppmv		ND				20	
1,3-Dichloropropane	ND	1.1	ppmv		ND				20	
2,2-Dichloropropane	ND	1.1	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	1.1	ppmv		ND				20	
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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Sampled: 12/15/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES in Air by GC/MS (EPA 8260B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1869 Extracted: 12/16/10										
Duplicate Analyzed: 12/16/2010 (10L1869-DUP1)					**Source: ITL1525-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	ND	1.0	ppmv		ND				20	
Styrene	ND	2.4	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.73	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.73	ppmv		ND				25	
Tetrachloroethene	ND	0.74	ppmv		ND				20	
uene	ND	1.3	ppmv		ND				20	
1,2,3-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	0.67	ppmv		ND				20	
1,1,1-Trichloroethane	ND	0.92	ppmv		ND				20	
1,1,2-Trichloroethane	ND	0.92	ppmv		ND				20	
Trichloroethene	ND	0.93	ppmv		ND				20	
Trichlorofluoromethane	ND	0.89	ppmv		ND				20	
1,2,3-Trichloropropane	ND	0.83	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	1.0	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		ND				20	
o-Xylene	ND	1.2	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	1.2	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	1.2	ppmv		ND				25	
tert-Butanol (TBA)	ND	17	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.73*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*6.64*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*103*	*80-120*			

stAmerica Irvine

Patty Mata
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1892 Extracted: 12/16/10										
Duplicate Analyzed: 12/16/2010 (10L1892-DUP1)					**Source: ITL1483-01**					
Carbon Dioxide	2.72	0.10	% by Volume		2.53			7	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.3	20	% by Volume		77.4			0.09	20	
Oxygen	20.0	5.5	% by Volume		20.1			0.6	20	

TestAmerica Irvine

Patty Mata
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Stephan Klemm	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: ITL1483	Sampled: 12/15/10 Received: 12/15/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

TestAmerica Irvine

Patty Mata
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: ITL1483

Sampled: 12/15/10
Received: 12/15/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8260B MOD	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

LAB: Test ca STL Other_____

Lab Identification (if necessary):
- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

SHI L Chain Of Custody Record

Shell Project Manager to be invoiced: Roger Shakely

Shell Chemical LP
c/o C2 REM - E. Boynton
2382 S.E. Bristol Street, Ste B
Newport Beach, CA 92660

- [x] ENVIRONMENTAL SERVICES
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON
- [ ] NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 12/15/2010

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
C2 REM		20245 S. Vermont St., Torrance	CA	

ADDRESS: 2382 S.E. Bristol, Suite B, Newport Beach, CA 92660

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.: 1-949-261-8098

E-MAIL: sklemm@c2rem.com

CONSULTANT PROJECT NO.: 97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

TELEPHONE: (949) 261-8098 FAX: (949) 261-8097 E-MAIL: sklemm@c2rem.com

SAMPLER NAME(S) (Print): SA.

LAB USE ONLY: ITL483

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):
- [x] STD
- [ ] 5 DAY
- [ ] 3 DAY
- [ ] 2 DAY
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

Inlet is high concentration for Benzene

Please run Effluent sample first before others to avoid cross contamination

RECEIPT VERIFICATION REQUESTED [x]

REQUESTED ANALYSIS

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	8260B VOCs and oxygenates	ASTM D1946						Field Notes
	Effluent	12/15	1.25	Air	1 Tedlar														X	X						
	Carbon 1		1.30	Air	1 Tedlar														X	X						
	Post Ambient Air		1.35	Air	1 Tedlar														X	X						
	Inlet		1.40	Air	1 Tedlar														X	X						
	Post Ambient Air Dup		1.35	Air	1 Tedlar														X	X						

TEMPERATURE ON RECEIPT C°: RC

16:22 12/15/10 NP

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	12/15/2010	15:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Q&Q Graphic (714) 898-9702

11/18/05 Revision

APPENDIX D

2010 IN-LINE SENSOR DATA
(NOT INCLUDED – AVAILABLE VIA CD ROM)

APPENDIX E

2010 SVE/IBT ENCLOSURE MONITORING FORMS

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 1/14/2010
Time: 3:05 PM

Monitored By: Iy

Verified By: SM

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)
Effluent	-70 / +4.5 (@C2: before the blower)	Ø	19.1	2.6	Ø	78.0	0.3
Carbon Vessel 1	-56	Ø	19.4	2.4	4.1		20.1
Post Dilution	-37	15	19.0	2.6	2175	74.5	18.2
Inlet	-35	21.5 V	7.3	25	715000	51	17.6

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19	AT06	0.1	NA		NA	
Carbon Vessel 1	AT3A	Ø	NA		NA		NA		NA	
Post Dilution	AT2A	20	AT2B	20	NA		NA		RH2	43
Inlet	AT5A	NA	AT5B	4	NA		FT5	6+38=44 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	6	10.5
Dilution Rate	FT2	81	

Note: ← 17.9 humidity

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 1/28/2010
Time: 15:00

Monitored By: Shinta Aizawa

Verified By: SM

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Temp
Effluent	-67 (@C2: before the blower)	0	19.4	2.2	0.1	85	0.8	177
Carbon Vessel 1	-56	13	19.0	2.4	>15000 10379	80	47.1 (14)	73
Post Dilution	-36	15	18.9	2.8	>15000 5730	80	49.6 (1.5.3)	73
Inlet	-34	17.5V	9.3	21.8	>15000 12695	47	50.8	

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.2	AT06	0.3	NA		NA	
Carbon Vessel 1	AT3A	16	NA		NA		NA		NA	
Post Dilution	AT2A	25	AT2B	20.2	NA		NA		RH2	49.
Inlet	AT5A	104	AT5B (AT4B)	5.7-6.0	NA		FT5	8+35=43 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	7~8	7~8
Dilution Rate	FT2	75	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 2/10/2010
Time: 10:30

Monitored By: SA

Verified By: SM

	Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)
160 °F	Effluent	-70 (@C2: before the blower)	0	19.1	3.0	0.1	78	0
60.5°F	Carbon Vessel 1	-~~70~~ 60	0	18.9	3.2	0.1		52.9
58.1°F	Post Dilution	-39	NA	NA	NA	NA	78	53.9
	Inlet	-38	16.5 ✓	5.7	30.2	>15000	35.2	55.0

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	3.6 (AT4B)	AT06	0.4	NA		NA	
Carbon Vessel 1	AT3A	1.6	NA		NA		NA		NA	
Post Dilution	AT2A	26	AT2B	19.1	NA		NA		RH2	77
Inlet	AT5A	104	AT5B	18.7	NA		FT5	6+28 = 34 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	6	17.8/7~10
Dilution Rate	FT2	50	

RH 53.2

Note:

* Post Dilution : condensate exist, could not sample vapors.

Del Am...its
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 02/24/2010
Time: 11:00

Monitored By: Shinta Aizawa

Verified By: Seamus McGeagh

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	
Effluent	-64 (@C2: before the blower)	0	19.3	2.6	Ø ~~0.1~~	77.5	1.4	153
Carbon Vessel 1	-54	0	19.2	2.6	Ø	77	43.8	64.9
Post Dilution	-30	12	19.4	2.4	>15000	78.5	43.9	65.8
Inlet	-28	18.5V	6.3	26.4	>15000	48.6	44.6	69.9°

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.4	AT06	0.2	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	25	AT2B	18.7	NA		NA		RH2	68.7
Inlet	AT5A	104	AT5B	4.7 (AT4B)	NA		FT5	51.8 (8.8+43) (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	8	9.95
Dilution Rate	FT2	60	

Note:
63° + 42.9 RH

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 3/11/10
Time: 12:30 PM

Monitored By: IY

Verified By: SM

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)
Effluent	-65 (@C2: before the blower)	Ø	19.8	2.0	0.3	87.5	0.5
Carbon Vessel 1	-52	7	19.7	2.0	2670		38.8
Post Dilution	-30	8	20.0	1.8	2553	89.5	39.7
Inlet	-28 / +18	17.0 V	6.8	23.4	11697	48.5	39.5

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19	AT06	0.2	NA		NA	
Carbon Vessel 1	AT3A	11	NA		NA		NA		NA	
Post Dilution	AT2A	19	AT2B	19	NA		NA		RH2	60
Inlet	AT5A	104	AT5B	5	NA		FT5 (FT1+FT4)		NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	7	9.95
Dilution Rate	FT2	73	

Note:
40.5 & Humidity

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 3/29/10
Time: 3:30 PM

Monitored By: IY/SM

Verified By: SM

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)
Effluent	-50 (@C2: before the blower)	0	19.8	1.2	0 (P3) 0.1 (1)	107	0
Carbon Vessel 1	-39	0	20.5	1.6	0.2 (P3) 0.2 (1)	93.0	28.5
Post Dilution	-28	16	19.0	2.8	7880 (3) 699 (MAX)	41.5	27.8
Inlet	-27/+14	18 (V)	7.0	23.2	10960 (3) 699 MAX	42.	28.5

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.8	AT06	0.1	NA		NA	
Carbon Vessel 1	AT3A	-2%	NA		NA		NA		NA	
Post Dilution	AT2A	29	AT2B	N/A	NA		NA		RH2	NA
Inlet	AT5A	104	AT5B	4.7	NA		FT5	(FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	6	6.5
Dilution Rate	FT2	45	

Note:
31.5

AMB HUM 28.2

93.0

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 4/8/2010
Time: 11:45 AM

Monitored By: Shinta ~~[illegible]~~ Aizawa

Verified By: Seamus McGeogh

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	
Effluent	60 (@C2: before the blower)	0	18.6	2.6	0.1	89	0.7 ~~80°F~~	175°
Carbon Vessel 1	50	0	18.6	2.8	0.8	82.5	18.2	86.9°F
Post Dilution	30	16	18.8	2.6	>15000 (max). 3571	80	15.4	84°F
Inlet	30	16 ✓	7.9	20.4	>15000 (max) >15000	46	18.0	82°F

Isolation

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.6	AT06	0.2	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	26	AT2B	Sensor fail.	NA		NA		RH2	NA
Inlet	AT5A	104	AT5B	4.2	NA		FT5	9+36 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	12.5
Dilution Rate	FT2	87	

Note: = 83.8° + 16.3% (H)

ATMOSpheric Humidity = 10.0%
Temp = 86°.

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 4/22/2010
Time: 11:45AM

Monitored By: SA

Verified By: SM

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	62 (@C2: before the blower)	0	19.1	2.6	0	88	1.5	~160
Carbon Vessel 1	50	~~9~~ 10	19.0	2.6	* 4902/max	82	42.1	66.9
Post Dilution	29	14	18.9	2.8	* 7906/max	78	43	67.6
Inlet	29	18 V	7.3	23.4	13212	41	44.2	68.3

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.2	AT06	0.2	NA		NA	
Carbon Vessel 1	AT3A	16	NA		NA		NA		NA	
Post Dilution	AT2A	27	AT2B	NA	NA		NA		RH2	67
Inlet	AT5A	104	AT5B	4.3	NA		FT5	~~3~~ 9+33 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	10 ~ 11.
Dilution Rate	FT2	60	

Note: ~~PID with isobutylene~~
* PID with isobutylene / benzene For C1 and Post Ambient Air.

HUM ATMOS = 40.4

Del Am...its
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 05/07/2010
Time: 1:30 PM.

Monitored By: SA

Verified By: SM.

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	62 (@C2: before the blower)	0	19.2	1.6	0	85	1.4	165
Carbon Vessel 1	52	0	19.3	2.0	0.4	79.0	30.0	81.5
Post Dilution	32	11	19.3	2.0	4738 (372 max)	88.5	33.7	79.2
Inlet	31	18.0 V	6.0	22.6	>15000	48	26	82

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.1	AT06	0	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	22	AT2B	NA.	NA		NA		RH2	63
Inlet	AT5A	104	AT5B	3.2	NA		FT5	8 + 40 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	8	8.5
Dilution Rate	FT2	80	

Note: 78°F

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 05/20/2010
Time: _____

Monitored By: SA / SM. Verified By: SM / SA.

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-62 (@C2: before the blower)	0	19.1	2.8	0.1	87	1.8	165.0
Carbon Vessel 1	-52	0	19.3	~~2.4~~ 2.6	0.2	81.9	41.5	82.2
Post Dilution	-30	14	19.0	2.6	6735 / 1320 max	83.5	45.8	76.2
Inlet	-30	17 ✓	6.9	27.6	13697 / 1320 max	46.5	44%	73.5

Station	In-line Sensors LEL C_nH_m (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	4.0	AT06	0.2	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	25	AT2B	NA	NA		NA		RH2	71
Inlet	AT5A	104	AT5B	18.8	NA		FT5	9+42 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	9.6
Dilution Rate	FT2	78	

Note:
45.5% H. 76.5°F

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 06/04/2010
Time: _____

Monitored By: Shinta

Verified By: Seamus

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-60 (@C2: before the blower)	0	19.4	~~1~~ 2.0	0	91.0	2%	168
Carbon Vessel 1	-50	~~7~~ 10	19.4	2.2	8250	82.3	48.7	76
Post Dilution	-29	8	19.6	2.0	3502	86	50.5	79.2
Inlet	-28	14.5 V	7.2	21.8	>15000	~~77~~ 49	46.2	79.4

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.2	AT06	0.4	NA		NA	
Carbon Vessel 1	AT3A	13	NA		NA		NA		NA	
Post Dilution	AT2A	20	AT2B	NA	NA		NA		RH2	74
Inlet	AT5A	104	AT5B	4.1	NA		FT5	9+42=51 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	11.0
Dilution Rate	FT2	76	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 6/18/10
Time: 1330

Monitored By: SA

Verified By: Iy

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-62 (@C2: before the blower)	Ø	18.9	2.6	0.2	82.5	1.2	176
Carbon Vessel 1	-52	Ø	18.6	3.0	0.2	81.5	39.0	87
Post Dilution	-30	16	18.6	3.0	6215	~~10.5~~ 81	~~43.5~~ 46.4	~~80.5~~ 80
Inlet	-29	17 V	5.9	23.4	>15000	49.5	46.0	81

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.3	AT06	0.3	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	32	AT2B	15.3	NA		NA		RH2	68
Inlet	AT5A	104	AT5B	3.5	NA		FT5	10 + 40 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	10.5
Dilution Rate	FT2	80	

Note:
43.5 FT4, 80.5 FT

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 7/1/10
Time: 12:00

Monitored By: SM

Verified By: IY

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
C2 Effluent	-62/+4 (@C2: before the blower)	Ø	18.6	2.4	0.3	81.5	0.5	175
Carbon Vessel 1	-52	Ø	18.5	2.8	0.3	71	52	80
Post Dilution	-31	12	18.6	2.4	791 Max/5100 [redacted]	79 [redacted]	62	74
Inlet/recirc.	-30/+18	16.5 V	6.0	27.2	791 Max/15000 over	49.8	66	74

[redacted] [redacted] [redacted]

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.7	AT06	1.0	NA		NA	
Carbon Vessel 1	AT3A	1 %	NA		NA		NA		NA	
Post Dilution	AT2A	3	AT2B	18.2	NA		NA		RH2	77 %
Inlet	AT5A	104 %	AT5B	5.0	NA		FT5	10+41=51 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	9.8 [redacted]
Dilution Rate	FT2	72	

Note: [redacted]

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 7/15/10
Time: 11:45 AM

Monitored By: IY

Verified By: SM

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-61/+4 (@C2: before the blower)	Ø	18.4	3.0	0.1	79.5	3%	170
Carbon Vessel 1	-50	15	18.4	3.2	442 MAX/ 4400	81.5	44%	90.1
Post Dilution	[redacted] 29	16	18.5	3.2	442 MAX/ 16,000	79.5	40.4	90.1
Inlet	-28/+17	16.5 V	5.9	24.4	442 MAX/ 15,000 OVER	50.5	58%	90.2

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18	AT06	0.9	NA		NA	
Carbon Vessel 1	AT3A	15	NA		NA		NA		NA	
Post Dilution	AT2A	31	AT2B	17	NA		NA		RH2	59
Inlet	AT5A	104	AT5B	5	NA		FT5	10+48=58 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	10.5
Dilution Rate	FT2	102	

Note: HH% Humid 90.1°.

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 07/29/2010
Time: 10:30AM.

Monitored By: Shinta Aizawa

Verified By: S Mc GEOUGH.

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	-63 (@C2: before the blower)	0	18.7	3.0	0.1	80.5	1.6	166
Carbon Vessel 1	-52	0	18.8	3.0	0.1	79	43.5	80°
Post Dilution	-30	15	18.5	3.0	7758	89	50 %	76.5°
Inlet	-28	14.5 ✓	6.6	22.4	11000	52.5	49.3%	74.5°

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.3	AT06	0.5	NA		NA	
Carbon Vessel 1	AT3A	0.2	NA		NA		NA		NA	
Post Dilution	AT2A	29	AT2B	17.6	NA		NA		RH2	75.5
Inlet	AT5A	104	AT5B	4.7	NA		FT5	11+44 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	11	10
Dilution Rate	FT2	72	

Note:
75° - 51% H.

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 8/12/2010
Time: 12:43pm
Monitored By: S.A & C.A
Verified By: SA.

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-62 (@C2: before the blower)	0	19.2	2.4	0.6	82	2.7	168
Carbon Vessel 1	-50	0	19.2	2.2	198	78	37	85.5
Post Dilution	-28	11	19.1	2.2	6745	90	48.4	78.6
Inlet	-28	16.5V	5.6	24.6	>15000	51.5	47	79.5

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.1	AT06	0.7	NA		NA	
Carbon Vessel 1	AT3A		NA		NA		NA		NA	
Post Dilution	AT2A		AT2B	18.5	NA		NA		RH2	
Inlet	AT5A		AT5B	4.7	NA		FT5	8+45=53 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	8	8.5
Dilution Rate	FT2	76	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 8/26/2010
Time: 11:00 AM

Monitored By: S. AIZAWA

Verified By: CA + SM

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-62 (@C2: before the blower)	0	18.4	3.0	0.7	75.5	3.3	120°F
Carbon Vessel 1	-50	13	18.4	3.0	8400	80.0	55.5%	78°F
Post Dilution	-30	16	18.4	3.0	8600	80.5	62%	79°F
Inlet	-30	16.5 V	5.4	25	>15,000	52.5	57%	79°F

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.1	AT06	1.0	NA		NA	
Carbon Vessel 1	AT3A	11	NA		NA		NA		NA	
Post Dilution	AT2A	26	AT2B	4.8	NA		NA		RH2	74
Inlet	AT5A	104	AT5B	4.6	NA		FT5	10+44 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	10.8
Dilution Rate	FT2	73	

Note:
62% Humidity & 79°F

Del Am...ts
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 9/9/2010
Time: 2:00pm
Monitored By: CA ~~[illegible]~~
Verified By: SA

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-62 (@C2: before the blower)	0	18.7	3.0	0.8	~~175.9~~ 84.5	1.6	175
Carbon Vessel 1	-52	0	19.3	2.2	0.8	85	35	85.7
Post Dilution	-30	13	18.8	2.8	6098	79	42	79.6
Inlet	-28	13 ✓	7.1	21.8	>15000	~~56.5~~ 54.0	49	79.3

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.5	AT06	0.7	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	23	AT2B	18.0	NA		NA		RH2	65
Inlet	AT5A	~~[illegible]~~ 104	AT5B	4.6	NA		FT5	10+43 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	10.5
Dilution Rate	FT2	78	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 09/22/2010
Time: 13:30

Monitored By: CA SM

Verified By: SA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	62 (@C2: before the blower)	0	18.7	2.4	0.5	80	1.7	170
Carbon Vessel 1	52	6	18.7	2.4	>15000	84	44	77.2
Post Dilution	30	13	18.4	2.6	>15000	84.5	50.5	76.5
Inlet	30	16.5	4.5	23.4	>15000	48.5	54	75

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.5	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	10	NA		NA		NA		NA	
Post Dilution	AT2A	21	AT2B	18.1	NA		NA		RH2	69
Inlet	AT5A	104	AT5B	3.1	NA		FT5	9+42=51 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	10.6
Dilution Rate	FT2	74	

Note: VOCs monitored with PID 3000 calibrated to 50 ppm benzene.
Also monitored with PID 2000 calibrated to 50 ppm benzene.
Inlet = Max, Post Dilution = Max, C1 = Max, Effluent = 0.
Also monitored with PID 3000 calibrated to 400 ppm isobutylene.
Inlet > 15000, Post Dilution > 15000, C1 > 15000, Effluent = 0.1
Also monitored with PID 2000 calibrated to 400 ppm isobutylene.
Inlet = Max, Post Dilution = Max, C1 = Max, Effluent = 0.

Del A...o Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 10/12/2010

Time: _____

Monitored By: CA

Verified By: SA

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	−63 (@C2: before the blower)	0	18.7	2.6	0.4	95	2.0	178
Carbon Vessel 1	−51	0	18.8	2.6	0.4	78	40	85.6
Post Dilution	−30	14	~~18~~ 18.4	3.0	1272 max	78	54	78
Inlet	−28	14.5	~~3.5~~ 5.2	23.6	1272 max	53	51	80.5

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.6	AT06	0.5	NA		NA	
Carbon Vessel 1	AT3A		NA		NA		NA		NA	
Post Dilution	AT2A		AT2B	18	NA		NA		RH2	
Inlet	AT5A		AT5B	3.5	NA		FT5	9+45 = 54 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	11.5
Dilution Rate	FT2	81	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 10/21/10
Time: 11:45 AM

Monitored By: IY / SM

Verified By: SM / IY

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	-64 (@C2: before the blower)	Ø	18.8	3.0	0.0	81.0	3.6	148.5
Carbon Vessel 1	-54	Ø	18.7	3.2	0.1	81.0	53%	74.5
Post Dilution	-32	14	18.7	3.0	>15000	80.5	70%	69.0
Inlet	-30 / +13	14 V	5.4	26.2	>15000	55.5	71%	68.9

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B		AT06		NA		NA	
Carbon Vessel 1	AT3A		NA		NA		NA		NA	
Post Dilution	AT2A		AT2B		NA		NA		RH2	
Inlet	AT5A		AT5B		NA		FT5		NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1		11.3
Dilution Rate	FT2		

Note: Humidity 70%

(FT1+FT4) Temp. 69.2

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 11/04/2010
Time: 12:00

Monitored By: Shinta Aizawa

Verified By: Seamus McGeough

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	-64 (@C2: before the blower)	0	18.5	~~2.8~~ 2.8	0.3	90	1.2	185
Carbon Vessel 1	-52	13	18.4	2.6	471 max	76	18.5	91.4
Post Dilution	-32	14	18.4	2.8	47 max	77	16.8 ~~[illegible]~~	93.4
Inlet	-30	15 ✓	5.8	23.0	471 max	50.5	20.1	90.3

16.8%

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.2	AT06	0.3	NA		NA	
Carbon Vessel 1	AT3A	13	NA		NA		NA		NA	
Post Dilution	AT2A	22	AT2B	18.2	NA		NA		RH2	41
Inlet	AT5A	104	AT5B	4.4	NA		FT5	10 + 46 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	11
Dilution Rate	FT2	93	

Note:
17.4% Humidity. 92.8°F

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 11/17/2010
Time: 10:00 AM.

Monitored By: SA Verified By: SM.

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	-66 (@C2: before the blower)	0	18.6	3.2	0.3	82	1.0	165
Carbon Vessel 1	-56	10	18.4	3.4	Over	81	48.5	73
Post Dilution	-36	18	18.3	3.6	Over.	78	51.8	73
Inlet	-34	16 ✓	6.1	24.8	Over.	51.5	57%	69.5

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.1	AT06	0.7	NA		NA	
Carbon Vessel 1	AT3A	10	NA		NA		NA		NA	
Post Dilution	AT2A	24	AT2B	18.0	NA		NA		RH2	71
Inlet	AT5A	104	AT5B	4.9	NA		FT5	10+37 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	11.5
Dilution Rate	FT2	51	

Note:
53% 72°F

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 11/30/10
Time: 11:00 am
Monitored By: Carrie Alexander
Verified By: Seamus McGeough

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	(@C2: before the blower)	0	19.1	1.4	0	89.5	0.9	140°
Carbon Vessel 1		0	18.8	2.8	0.1	87	20%	65°
Post Dilution		15	18.5	3.2	9,904	82.5	23%	63°
Inlet		14.0 vol	5.9	24.8	15,000+	52.5	25%	58.7°

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18	AT06	0.5	NA		NA	
Carbon Vessel 1	AT3A	3.6	NA		NA		NA		NA	
Post Dilution	AT2A	26.4	AT2B	17.7	NA		NA		RH2	61.2
Inlet	AT5A	104	AT5B	4.7	NA		FT5	61+39.5 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	6.1	12.6
Dilution Rate	FT2	68.2	

Note:
59°F 34%

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 12/15/10
Time: 1.25 pm

Monitored By: S AIZAWA

Verified By: S MCGEOUGH / C ALEXANDER.

~~location~~ next to condensation/moisture separator

Negative pozt of vaccum pressure!

location: inbetween C1+C2

location next to dilution

location next to manifold

Station	Magnehelic Pressure (in. H2O)	RKI Eagle LEL (%)	RKI Eagle Oxygen (%)	RKI Eagle Carbon Dioxide (%)	PID VOC (ppm)	Velocicalc Flow Rate (scfm)	Velocicalc Humidity (%)	Velocicalc Temperature
Effluent	-62 (@C2: before the blower)	0	19.1	2.6	0.1	88	1.8	153
Carbon Vessel 1	-52	0	19.0	2.8	0	82.5	48	71.7
Post Dilution	-30	11	18.9	2.8	over	87.5	63	67.4
Inlet	-28	~~10.5~~ 12.5	5.8	24.2	over	49	63	64

Station	In-line Sensors LEL C_nH_n (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	~~18.6~~ 18.6	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	2	NA		NA		NA		NA	
Post Dilution	AT2A	21	AT2B	18.7	NA		NA		RH2	88
Inlet	AT5A	104	AT5B	4.3	NA		~~FT6~~	~~40~~ 1 (FT1+FT4) 9+38	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	10.6
Dilution Rate	FT2	55	

Note: 64°F Humidity 66%

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 12/27/10
Time: 11:00am
Monitored By: C. Alexander
Verified By: S. McGeough

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (In. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	66 (@C2: before the blower)				0.3	92.5	0.6	150.3
Carbon Vessel 1	56	took 2 samples. ~~15000 ppm~~			15000 ppm	87	33.4%	69
Post Dilution	34				15000 ppm	91.5	33%	72
Inlet	34				15000 ppm	35.9	40.2%	69

Station	In-line Sensors									
	LEL C_4H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19	AT06	0.4	NA		NA	
Carbon Vessel 1	AT3A	13%	NA		NA		NA		NA	
Post Dilution	AT2A	14%	AT2B	19	NA		NA		RH2	
Inlet	AT5A	104	AT5B	4%	NA		FT5	32 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	6	6.45
Dilution Rate	FT2	66	

Note:
71°F 34% Humidity

C1 took 2 Samples Both over.

APPENDIX F

2010 PERIMETER, VACCUM PERFORMANCE, CLUSTER AND SVE WELL MONITORING FORMS

Perimeter Well Monitoring Form

Monitored by: IY / SM
Date: 1/28/10
Weather: 68°F, SUNNY

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	-0.05	0	19.4	1.6	0
B	-0.1	0	12.2	10.8	0.1
C	-0.1	0	11.1	12.6	0.0
D	-0.05	0	15.8	4.4	0.0
E					
F					
G					
H	-0.1	0	17.2	3.6	0.1
I					
J					
K					
L					

Note:

Perimeter Well Monitoring Form

Monitored by: SM, SA.

Date: 02/24/2010.

Weather: Cloudy - Rain

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	-0.05	Ø	19.4	1.2	Ø
B	-0.10	Ø	10.5	12.2	Ø
C	Ø	Ø	~~8.5~~ 8.1	13.8	Ø
D	Ø	Ø	20.2	0.8	Ø
~~E~~ H	-0.01	Ø	16.1	3.6	Ø
~~F~~					
~~G~~					
~~H~~					
~~I~~					
~~J~~					
~~K~~					
~~L~~					

Note:

SVE/IBT
Perimeter Well Monitoring Form
Del Amo Pits

Date: 03/03/2010

Monitored By: SA SM IY

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	-0.08	0	18.3	1.8	0	
B	0	0	9.6	12.8	3.1	Broken bolt
C	-0.02	0	7.8	12.8	2.2	
D	-0.04	0	18.5	2.4	0	
E	-0.04	0	14.4	4.0	0.6	
F	0	0	14.2	3.6	0.8	
G	0	0	15.3	1.8	0.9	
H	0	0	15.9	~~0~~ 3.6	1.6	
I	-0.04	0	17.5	1.6	0.1	Replace bolt; ~~volt~~ valve.
J	-0.25	0	17.4	2.4	0	
K	0	0	17.2	1.4	0	Replace port
L	-0.02	0	8.4	5.8	0.2	Replace port

SVE/IBT
Vacuum Performance Well Monitoring Form
Del Amo Pits

Date: 03/03/2010

Monitored By: SA SM IY

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A'	-0.76	18 V	6.2	19.2	>15000	
B'	0	1	1.8	37.2	51.4	
C'	+1.1	53 V	4.7	31.2	>15000	
D'	-0.45	56 V	0	22.2	>15000	
E'	-0.30	0	6.8	12.8	2.8	
F'	-0.50	0	8.4	13.2	1.9	
G'	-0.20	0	5.3	15.8	3.2	
H'	-0.15	0	13.7	8.6	3.4	
I'	0	66	1.1	3.8	>15000	
J'	-0.10	0	18.6	1.8	0.5	
K'	-0.40	0	5.2	13	5.4	
L'	-0.25	0	10.7	10	3.3	
M'	0	32 V	~~23.6~~ 15.5	23.6	>15000	O_2 = 5.5
N'	+0.50	60.5 V	11.9	22.8	>15000	

SVE/IBT
Cluster Well Monitoring Form
Del Amo Pits

Date: 03/03/2010

Monitored By: SA SM IY.

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A"1	-0.08	0	16.1	1.2	0.9	
A"2	-0.2	1	20.2	0.2	0	tight
A"3	-0.06	0	20.6	0	0	tight.
B"1	+1.25	24V	7.9	31	>15000	
B"2	0	40V	12	25.2	>15000	
B"3	+0.9	40V	8.3	30	>15000	
C"1	-0.5	0	20.9	0	36	
C"2	-0.3	0	17.5	2.2	>15000	
C"3	-0.3	10	15	5.2	>15000	
D"1	-1.20	19.5V	1.8	19.8	>15000	
D"2	-0.30	0	10.7	10	16.3	tight.
D"3	-0.35	16	9.7	9.0	>15000	
E"1	-0.05	0	20.6	0	0	
E"2	-0.02	0	13.5	1.0	0.5	
E"3	-0.04	0	20.4	0	0	tight.
F"1	-0.15	0	20.9	0	1.0	
F"2	-0.10	0	20.9	0	2.6	
F"3	0	1	20.9	0.8	2.8	
G"1	0	0	15.7	4	1.2	
G"2	0	0	20.5	0	0	
G"3	-0.10	0	17.1	0.4	0.2	
H"1	0	0	20.9	0	2.5	
H"2	-0.3	0	20.9	0	2.1	
H"3	-0.15	0	9.5	8.6	2.0	
I"1	-0.2	7	0	18.4	>15000	
I"2	0	0	20.9	0	1.4	tight
I"3	-0.2	0	2.2	14.4	12.4	
J"1	-0.1	0	20.9	0	2.0	tight
J"2	-0.1	0	20.9	0	3.2	tight
J"3	-0.35	0	6.2	14.4	0.7	
K"1	-0.06	0	18.2	2.6	~~4.6~~ 2.6	CO_2 = 2.6, VOCs = 4.6
K"2	-0.10	0	8.1	14.0	6.9	
K"3	0	0	20.7	0	15	
L"1	NA	34.5V	9.4	17	>15000	
L"2	NA	43V	5.7	25.4	>15000	
L"3	NA	9.5	15.9	7.2	101	
M"1	-0.2	0	11.7	9.6	90	
M"2	-0.26	0	8.1	18.6	4.2	
M"3	0	0	20.9	0	40	

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

Date: 03/04/2010

Monitored By: SM, IY

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1	-24	15.5V	12.0	8.0	>15000	
2	-6	16.5V	4.4	37.4	>15000	
3	+6	13.5V	4.0	37.0	>15000	
4	+10	20.5	4.7	33.0	>15000	
5	-6	37.5V	4.4	32.4	>15000	
6	-24	27V	7.6	11.2	14785	
7	-8	45V	6.2	24.2	7200	
8	+12	18V	7.6	27.0	11000	
9	+8	19V	5.6	29.8	9060	
10	-22	46V	8.4	21.2	>15000	
11	-7	70	0.1	43.2	~~7322~~	VOCs >15000
12	-22	77	9.6	21.0	~~>15000~~	VOCs = 7322
13	-0.35	13V	3.9	2.0	~~882~~	VOCs >15000
14	-0.45	3	2.9	18.0	~~278~~	VOCs = 882
15A	-0.40	2	8.7	8.8	~~59.8~~	VOCs = 278
15B	-0.25	1	5.8	16.8	59.8	VOCs = 59.8
16	-0.20	19	0	16.6	9605	PID(3) = over, PID(2) = max
17	-0.25	0	2.2	17.0	10.2	
18	-0.20	0	12.0	11.2	190	
19	-0.15	3	0.1	18.6	133	
20A	-22	11	3.2	15.4	48	
20B	-0.30	50	0	18.4	8267	
21	-0.30	13	5.0	16.0	453	

Perimeter Well Monitoring Form

Monitored by: IY

Date: 4/22/10

Weather: 68°F, CLOUDY, HUMID, DRIZZLE

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	-0.10	Ø	19.0	1.8	0.0
B	-0.05	Ø	10.4	13.0	5.0
C	-0.05	Ø	3.5	16.6	1.8
D	-0.05	Ø	15.0	4.8	0.0
E					
F					
G					
H	-0.02	Ø	15.0	3.8	2.1
I					
J					
K					
L					

Note: PID MAY BE REACTING TO MOISTURE IN AIR & WELLS.

Perimeter Well Monitoring Form

Monitored by: IY/SM.

Date: 05/25/2010

Weather:

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	-0.04	0	20.3	0.8	0
B	NA	NA	NA	NA	NA
C	0	0	3.6	17.6	12
D	-0.05	0	14.2	5.2	2.9
E					
F					
G					
H	0.02	0	17.6	2.6	4.4
I					
J					
K					
L					

Note:

SVE/IBT
Perimeter Well Monitoring Form
Del Amo Pits

Date: 06/16/2010

Monitored By: SA, SM, IY

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	-0.1	5	20.3	0.6	0	
B	0	1	12.7	12.0	26.5	Re-monitored → ~10 ppm, ~2 ppm with system on,
C	0	1	3.8	18.2	0	
D	-0.1	0	15.0	5.0	0	
E	0	0	16.7	4.2	0	
F	-0.06	0	16.9	3.8	0	
G	0	0	18.4	2.4	0	
H	0	0	17.5	3.4	0	
I	-0.08	0	19.4	1.8	0.1	
J	0	0	18.5	2.6	0	
K	-0.05	0	19.0	2.4	0.2	
L	-0.04	0	11.8	8.6	0.1	

SVE/IBT
Vacuum Performance Well Monitoring Form
Del Amo Pits

Date: 06/16/2010

Monitored By: SA, SM, JY

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A'	-0.75	1V	20.9	0.2	28.4	
B'	Ø	8	2.0	31.8	152	
C'	+1.1	63V	3.3	29.6	>15000	
D'	-0.4	39V	0.4	19.8	>15000	
E'	-0.2	0	5.3	12.6	3.1	
F'	-0.45	0	13.3	7.6	7.8	
G'	-0.2	1	4.8	14.6	2.4	
H'	-0.1	1	14.0	6.6	2.1	
I'	-0.2	73	1.1	3.6	>15000	
J'	-0.2	0	18.3	2.0	9.7	
K'	-0.2	0	10.9	8.0	1.5	
L'	-0.3	0	20.9	0	3.2	
M'	-0.08	32.5V	4.4	26.2	>15000	
N'	-0.5	11V	15.5	9.4	>15000	

SVE/IBT
Cluster Well Monitoring Form
Del Amo Pits

Date: 06/16/2010

Monitored By: SA, SM, IY

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A"1	-0.14	2	19.2	2.0	24	
A"2	-0.2	3	20.9	0.4	26.1	
A"3	-0.1	0	20.9	0	79	
B"1	+1.1	17V	6.5	31	>15000	
B"2	+0.35	46V	13.9	18.6	>15000	
B"3	+0.65	38V	8.5	27.2	>15000	
C"1	-0.7	2	20.9	0	22.3	
C"2	-0.3	26	14.7	5.4	>15000	
C"3	-0.35	1	20.6	0.4	42	
D"1	-1.05	16V	1.2	18.4	>15000	
D"2	-0.05	2	20.9	0	42	
D"3	-0.6	12V	8.6	9.2	>15000	
E"1	-0.95	0	20.9	0	13.6	
E"2	-0.05	0	20.2	1.4	3.8	
E"3	-0.2	0	20.9	0	0.3	
F"1	-0.15	0	20.9	0	0.9	
F"2	-0.10	0	20.9	0	41.5	
F"3	-0.10	0	20.9	0	11.0	
G"1	Ø	0	16.0	3.6	15.7	
G"2	-0.06	0	19.1	1.4	0.7	
G"3	-0.04	0	19.3	1.8	10.0	
H"1	-0.56	0	20.9	0	3.2	
H"2	Ø	0	20.9	0	8.3	
H"3	-0.12	0	11.3	7.4	0.7	
I"1	-0.34	4	0	16.8	943	
I"2	-0.12	0	20.9	0	2.4	
I"3	-0.20	0	18.1	1.6	6.6	
J"1	-0.16	0	~~18.8~~	0	2.9	O_2=20.9
J"2	-0.12	0	~~9.6~~	0	2.0	O_2 = 20.9
J"3	-0.18	0	~~20.9~~	8.4	10.8	O_2 = 11.4
K"1	-0.06	1	18.8	2.0	63	
K"2	-0.2	1	9.6	11.6	6.3	
K"3	-0.04	0	20.9	0	8.0	
L"1	+1.40	54V	5.5	25.8	12000	
L"2	+0.55	45V	4.8	27.4	>15000	
L"3	+0.65	3	20.9	0.4	13500	
M"1	~~-0.58~~	1	11.7	10.4	55.9	P=-0.15
M"2	-0.25	1	7.1	20.4	5.8	
M"3	Ø	0	20.9	0	6.0	

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

Date: 06/17/2010

Monitored By: SA, SM, IY.

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1	-18	13.5 V	11.6	7.4	>15000	
2	-5	15.0 V	4.4	33.4	13500	
3	+6	11.0 V	5.7	33.0	>15000	
4	+10	17.5 V	5.6	30.8	>15000	
5	-8	32 V	4.0	32.0	5000	
6	-22	24.5 V	8.7	9.2	11200	
7	-10	41 V	6.8	21.0	12261	
8	+10	13 V	7.0	27.8	>15000	
9	+8	16.5 V	6.0	28.4	>15000	
10	-22	48.5 V	7.3	22.4	>15000	
11	-8	99	0.4	41.4	>15000	
12	-12	73	10.0	19.4	>15000	
13	-0.42	8.5 V	4.4	1.8	>15000	
14	-0.35	3	5.0	13.6	572	
15A	-0.35	8	0.1	15.8	1272	
15B	-0.25	1	5.6	15.0	50.4	
16	-0.30	12	3.5	12.0	1343	
17	-0.25	1	2.1	16.2	3.8	
18	-0.2	65 V	11.4	10.4	3.5	
19	-0.2	3	0.8	16.2	263	
21 ~~20A~~	~~-24~~	14	6.3	13.6	421	P = -0.3
20B	-0.34	37	0.4	17.6	2358	
20A ~~21~~	~~-0.3~~	10	5.4	12.4	1030	P = -24

Perimeter Well Monitoring Form

Monitored by: IY

Date: 7/15/10

Weather: 88°F, SUNNY

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	-0.04	1	20.1	0.4	0.0
B	-0.03	1	12.2	12.0	10.5
C	-0.02	Ø	5.0	18.4	0.2
D	-0.04	Ø	13.3	6.6	0.1
E					
F					
G					
H	-0.03	Ø	18.3	2.8	0.0
I					
J					
K					
L					

Note:

Perimeter Well Monitoring Form

Monitored by: SA & CA

Date: 08/12/2010

Weather: 75-80°F sunny w/ 5mph winds

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	~~[illegible]~~ -0.06	0	20.5	0.4	0
B	-0.03	~~0~~ 2	12.3	12.6	22.3
C	0.05	1	7.4	18.0	0.1
D	0.0	~~0~~ 1	11.2	9.0	0.5
E		~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
F					
G					
H	0.1	0	17.8	3.0	~~[illegible]~~
I					
J					
K					
L					

Note: monitor only → ABCD+H

	CH4	O2	CO2	VOC	
B	0	12.2	12.4	22	~~[illegible]~~

SVE/IBT
Perimeter Well Monitoring Form
Del Amo Pits

Date: 09/20/2010

Monitored By: SA, SM, CA.

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	-0.15	0	20.0	1.0	0	
B	0	0	18.1	5.4	36	
C	0	0	7.4	20	0.2	
D	0	0	10.6	11.4	0	
E	0	0	16.5	4.2	0	
F	0	0	17.3	3.8	0	
G	0	0	18.7	2.6	0	
H	0	0	17.8	3.8	288 / 0	PID3000 → 288 / PID2000 → 0.
I	0	0	20.2	1.2	0.3	Ball valve is broken.
J	0	0	19.2	2.4	0	
K	0	0	19.4	2.0	0	
L	0	0	14.5	6.4	0.3	

CA entered in
MS ACCESS
10/14 & QAQC

SVE/IBT
Vacuum Performance Well Monitoring Form
Del Amo Pits

Date: 09/20/2010

Monitored By: SA, SM, CA

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A'	-0.6	15V	6.1	18.2	13025	
B'	0	10	1.4	35	591	
C'	+1.20	55V	1.6	30.6	9200	
D'	-0.20	50V	0	18.2	>15000	
E'	-0.50	0	11.7	6.6	3.9	
F'	-0.25	0	10.2	11	3.2	
G'	-0.5	0	4.6	15.8	11.5	
H'	0	0	13.7	7.8	13.3	
I'	0	68	0.8	3.8	>15000	
J'	0	0	18.8	1.6	44	
K'	0	0	11.4	7.4	33	
L'	-0.10	0	20.9	0	1.5	
M'	0	29.5V	5	27.2	>15000	
N'	+0.40	40V	5.8	24	>15000	

CH entered in MS access 10/15 + QAQC

SVE/IBT
Cluster Well Monitoring Form
Del Amo Pits

Date: 09/20/2010

Monitored By: SA, SM, CA.

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A"1	-0.15	0	19.0	2.0	0	
A"2	-0.20	0	20.9	0	19	
A"3	-0.10	0	20.9	0	1.6	
B"1	+1.25	14.5V	2.7	29.6	>15000	
B"2	+0.45	55.5V	5.8	24.4	4200	with dilution → >10000
B"3	+0.85	35V	3.9	27	4000	with dilution → >10000
C"1	-0.45	3	20.4	0	197	
C"2	-0.10	80	14.5	5.4	1500	
C"3	-0.10	1	20.6	0.2	>15000	
D"1	-0.60	15.5V	3.1	17.2	>15000	
D"2	-0.20	9	12.0	7.8	1900	
D"3	-0.65	9	12.0	8.0	2000	
E"1	0	0	20.9	0	0	
E"2	0	0	18	2.2	0	
E"3	0	0	20.9	0	0	
F"1	0	0	20.9	0	14	
F"2	0	0	20.9	0	25.7	
F"3	0	0	20.9	0	25.7	
G"1	0	0	15.6	3.8	0	
G"2	0	0	19.4	0	0	
G"3	0	0	18.8	2.2	0.1	
H"1	0	1	20.9	0	55	
H"2	0	0	20.9	0	72	
H"3	0	0	11.7	7.8	>15000	
I"1	-0.50	2	0	18	>15000	
I"2	0	0	20.9	0	0.6	
I"3	0	0	3.0	13.6	67	
J"1	0	0	20.9	0	23.8	
J"2	0	0	20.9	0	16.5	Low Flow
J"3	0	0	8.1	12.4	37	
K"1	0	2	19.4	1.4	32	
K"2	-0.15	1	11	10.6	19.1	
K"3	0	1	20.9	0	29	
L"1	+1.15	49.5V	4.8	25.8	12700	
L"2	+1.75	54V	2.8	20.6	>15000	
L"3	+0.45	3	20.9	0	1000	Low Flow.
M"1	-0.20	0	12.3	10.4	31.2	
M"2	-0.25	0	7.2	21.8	0	
M"3	-0.05	0	20.9	0	2.7	

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

Date: 09/21/2010

Monitored By: SA, SM, CA

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1	-19	12 V	12.3	7.6	>15000	
2	-4	15.5 V	2.1	32.2	>15000	
3	+5	12 V	3.5	33.8	>15000	
4	+10	18 V	2.7	33	>15000	
5	-10	28.5 V	1.6	31.6	>15000	
6	-20	14 V	9.7	8.8	>15000	
7	-9	37 V	4.1	22.8	>15000	
8	+10	12 V	5.0	29.0	>15000	
9	+8	17.5 V	3.7	30.2	>15000	
10	-22	44 V	4.5	23.6	>15000	
11	-6	7.5 V	0	37.8	>15000	
12	-25	81	9.1	18.8	>15000	
13	-0.25	10 V	4.0	2.0	>15000	
14	0	2	3.3	16.2	358	
15A	-0.10	8	0	16.0	>15000	
15B	-0.5	0	4.1	17.2	82	
16	-0.5	11	0	16.6	>15000	
17	-0.5	0	2.4	16.2	12	
18	0	0	10.9	10.4	214	
19	0	2	1.4	17.0	391	
20A	-26	6	5.1	13.2	>15000	
20B	-0.15	32	0.5	18.2	>15000	
21	0	9	8.9	11.0	253	

Enter in later

- Access ~~issue~~ issue

CA 10/15

Perimeter Well Monitoring Form

Monitored by: IY / SM

Date: 10/21/10

Weather: 60s, CLOUDY, BREEZE, HUMID

PID 3000 calibrated to 5 PPM BENZENE / RKI EAGLE

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	-0.05	Ø	20.6	1.0	1.4
B	-0.02	Ø	11.8	15.4	13.3
C	-0.05	Ø	6.7	24.0	0.5
D	-0.02	Ø	10.5	13.0	0.2
E					
F					
G					
H	-0.01	Ø	17.7	3.8	0.0
I					
J					
K					
L					

Note:

Perimeter Well Monitoring Form

Monitored by: SA, SM.

Date: 11/17/10

Weather: Sunny

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A	-0.05	0	18.9	1.8	0.9
B	-0.05	0	11.3	15.2	5.4
C	-0.02	0	6.4	23.6	0
D	-0.05	0	10.7	12.0	0
~~E~~ H	0	0	17.2	4.0	0
F					
G					
H					
I					
J					
K					
L					

Note:

SVE/IBT
Perimeter Well Monitoring Form
Del Amo Pits

Date: 12/1/2010

Monitored By: SA, SM, CA

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	-0.05	0	20.3	0.8	0.1	
B	0	0	12.4	13.4	18.2	
C	-0.05	0	8.4	20.4	0.6	
D	-0.05	0	11.8	10.8	0	
E	-0.05	0	16.8	4.2	0.3	
F	0	0	17.6	3.6	11	0 PPM with PID 2000
G	0	0	18.8	2.4	~~0~~ 2.8	
H	0	0	17.8	3.6	0	
I	-0.05	0	20.6	0.8	0	
J	0	0	19.7	1.8	0.3	
K	0	0	19.9	1.6	0	
L	0	0	15.7	5.4	0.1	

SVE/IBT
Vacuum Performance Well Monitoring Form
Del Amo Pits

Date: 12/01/10

Monitored By: _____

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A'	-0.60	10.5 V	5.6	19.4	5700	
B'	-0.05	9	7.8	23.0	2300	
✗ C'	~~-0.05~~	55.5 V	2.9	32.8	>15000	P=0
D'	-0.30	54 V	0.6	8.8	>15000	
E'	0	0	13.7	5.2	0.5	
F'	-0.10	0	13.9	6.8	0.4	
G'	0	0	4.5	15.4	0.6	
H'	0	0	13.5	7.8	0.2	
I'	0	59	1.8	3.2	>15000	
J'	0	0	20.9	0	0.7	
K'	0	0	11.5	7.2	0.5	
L'	-0.75	0	13.2	8.2	1.7	
M'	0	29.0 V	6.9	25.2	>15000	
N'	+0.25	38 V	8.7	22.2	1141	

SVE/IBT
Cluster Well Monitoring Form
Del Amo Pits

Date: 12/01/2010

Monitored By: SA SM CA.

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A"1	-0.10	0	20.2	1.2	0	
A"2	-0.25	0	20.9	0	0.1	
A"3	-0.05	0	20.9	0	25	
B"1	+1.15	14.0 V	3.9	37.4	~~4860~~	>15000
B"2	+0.30	15.0 V	11.0	25.8	~~1634~~	8000
B"3	+0.73	37.0 V	6.8	31.4	~~4800~~	>15000
C"1	-0.40	3	20.9	0	54.7	
C"2	~~-0.10~~	13	15.8	5.0	62	P=-0.10
C"3	~~-0.50~~	1	20.9	0	25	P=0
D"1	-0.65	7.5 V	4.5	16.8	>15000	
D"2	0	0	20.9	0	2.8	tight well, possibly not reading vapor.
D"3	-0.55	9	12.5	7.6	2850	
E"1	0	0	20.9	0.8	0.1	
E"2	-0.05	0	20.9	0	0.1	
E"3	-0.05	0	20.9	0.0	0.1	
F"1	0	0	~~16.1~~ 0.5	8.0	0.3	
F"2	0	0	20.9	0	2.3	
F"3	0	0	20.9	0	8	
G"1	-0.05	0	15.5	4.0	0.1	
G"2	-0.05	0	20.8	0.6	0	
G"3	0	0	20.9	0	0.1	
H"1	0	0	20.9	0	0.1	
H"2	0	0	20.9	0	0.2	
H"3	0	0	11.5	7.4	0	
I"1	0	2	0.8	17	158.4	
I"2	0	0	20.9	0	0.3	
I"3	0	0	20.9	0	1.3	
J"1	0	0	20.9	0	6.0	tight well
J"2	0	0	20.9	0	4.9	tight well
J"3	0	0	10.8	9.6	0.2	
K"1	0	0	20.9	0	91.5	
K"2	-0.50	0	11.1	10.6	12	
K"3	0	0	20.9	0	20	
L"1	+1.3	51.5 V	3.9	30.4	6569	
L"2	~~+0~~	46.5 V	4.2	29.2	13439	P=+0.05
L"3	+0.25	5	20.6	0	5486	
M"1	~~-0.10~~	0	12.3	12.0	92.5	P=-0.05
M"2	-0.15	0	8.1	22.4	44.4	LEL = 0
M"3	0	0	20.9	0	84.4	

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

Date: 12/01/2010

Monitored By: SA SM, CA

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1	-29	12 v	12.3	7.2	>1500	
2	-2	13.5 v	2.8	35.4	>1500	
3	+4	14.5 v	5.9	32.0	>1500	
4	+8	18.5 v	[illegible]	[illegible]	10000	O_2=4.8 CO_2=33
5	-9	29.5 v	3.6	32.6	>15000	
6	~~+6~~ -20	21 V	9.7	8.4	>15000	
7	-8	37.5 v	5.1	23.8	>15000	
8	+10	17.5 v	4.3	31.8	12800	
9	~~+5~~ +6	16.5 v	6.0	29.2	13800	
10	-25	46.0 v	6.0	24.0	13000	
11	-5	[illegible]	0.4	41.6	>15000	CO_2=41.6 (LEL-no vol)
12	~~+5~~ -14	35 V	11.7	15.2	10,500	P=-14
13	0	2	20.9	0	4.0	tight-soil might be compacted or H_2O
14	0	2	4.2	14.0	791	
15A	0	9	0.1	14.6	1689	
15B	0	0	3.8	15.6	1712	
16	0	5	10.2	6.8	811	
17	0	0	2.5	14.8	2.7	
18	0	0	11.0	9.2	0.4	
19	0	2	1.2	15.4	200.0	
20A	-36	8	4.7	12.6	850	
20B	0	31	1.2	15.2	2044	
21	0	11	5.1	14.4	516	

Perimeter Well Monitoring Form

Monitored by: SA, SM, CA
Date: 09/28/2010
Weather: Sunny.

Well ID	P (in. H20)	LEL methane (%)	O2 (%)	CO2 (%)	VOCs (ppm)
A					
B					24.4
C					
D					
E					
F					
G					
H					5.2
I					
J					
K					
L					

Note: Confirmation samples were collected for Lab analysis.

		PID 3000	PID 1.	PID 2.
B.	Pre-purge.	15.4	11.3	9.9
	Post Purge	24.4	11.5	10.0
H.	Pre-purge	4.6	0.2	0
	Post-Purge	5.2	0	0

CARBON REACTIVATION REPORT/CERTIFICATION

California Carbon Co., Inc.
2825 E. Grant St., Wilmington, CA 90744 (562)436-1962 Fax: (562)437-1217

REACTIVATION REPORT/CERTIFICATON

DATE: April 28, 2011

CUSTOMER: Baker Corp.
5500 Rawlings Ave.
South Gate, CA 90280

CUSTOMER'S REFERENCE: C2 REM

MATERIAL RECEIVED: During the calendar year 2010 – 41 sacks

Non-Hazardous Vapor Carbon for Reactivation

WE HEREBY CERTIFY THAT THE MATERIAL REFERRED TO IN THIS REACTIVATION REPORT HAS BEEN REACTIVATED TO A MINIMUM OF 60% CTC, TESTED AS PER ASTM D3467, STANDARD TEST METHOD FOR CARBON TETRACHLORIDE ACTIVITY OF ACTIVATED CARBON. THIS IS THE INDUSTRY STANDARD FOR TESTING THE ADSORPTIVE CAPABILITY OF ACTIVATED CARBON. THE ACTIVATED CARBON WAS REACTIVATED AT CALIFORNIA CARBON'S FACILITY IN WILMINGTON, CALIFORNIA.

CERTIFIED BY:

RICHARD LIU
VICE-PRESIDENT

APPENDIX H

2010 INSPECTION FORMS

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: IY

Title: PE

Sheet 1 of 11

Date: 1/19/10

Time: 11:00 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: IY

Title: PE

Sheet 2 of 11

Date: 1/19/10

Time: 11:10 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Collection System Valves	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection[1]	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	4
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 1/19/10

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: IY
Title: [redacted] PE

Sheet 4 of 11
Date: 1/19/10
Time: 11:20 AM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	3
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4 (visual inspection)
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 1/19/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

7. Burrowing Animals – notify Bugman of scattered gopher activity on cap.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: IY
Title: PE

Sheet 6 of 11
Date: 1/19/10
Time: 11:40 AM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	3
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 1/19/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

4. Rust/Corrosion – fencing showing signs of rust from long-term weathering but still structurally sound. Staff will continue to monitor this particular area of fencing located on the northwest portion of Site.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 8 of 11

Date: 1/19/10

Time: 11:55 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IY
Title: PE

Sheet 9 of 11
Date: 12:05 pm
Time: 1/19/10

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain)_____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	3
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	3
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

2. Ponding - staff observed some ponding on the eastern portion of the property before the Cap. Staff will continue monitoring this area.

4. Plugging - staff noticed partial blockage on the north side of property @ the culvert bridge. Staff cleared sediment and debris from area and the blockage fully cleared.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: IY

Title: PE

Sheet 10 of 11

Date: 1/19/10

Time: 12:15 PM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	
4. Sniff for signs of leaks	4
Condensate Collection[1]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4 (A-B)
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 1/19/10

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[2]	
	- Tee Flanges	4
	- Valves	
	- Sniff for signs of leaks	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time.

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: IY

Title: PE

Sheet 2 of 11

Date: 1/21/10

Time: 1:10 PM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Collection System Valves	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection[1]	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	4
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 1/21/10

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: IY
Title: PE

Sheet 4 of 11
Date: 1/21/10
Time: 1:20 PM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	3
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4 (visual only)
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 1/21/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

7. Burrowing Animals — notify Bugman of some scattered gopher activity on Cap.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: IY
Title: PE

Sheet 6 of 11
Date: 1/21/10
Time: 1:40 PM

Verified By: [redacted] SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	3
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 1/21/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

4. Rust / Corrosion - staff to keep monitoring area of concern but still structurally sound.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 8 of 11

Date: 1/21/10

Time: 1:55 pm

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	3
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

3. Build-Up – Catch basin on northeast portion of property was partially blocked with debris and trash. Staff cleared drain and disposed of material. Blockage successfully cleared.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IY
Title: PE

Sheet 9 of 11
Date: 1/21/10
Time: 2:05 PM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain)_____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	3
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

2. Ponding - staff observes pond on eastern portion of property is longer and wider because of continuous rain. Staff will monitor area to see if it dries out after storms. If not, staff will pump water into catch basin to alleviate ponding onsite.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: IY

Title: PE

Sheet 10 of 11

Date: 1/21/10

Time: 2:15 PM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	
4. Sniff for signs of leaks	4
Condensate Collection [1]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 1/21/10

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[2]	
	- Tee Flanges	4
	- Valves	
	- Sniff for signs of leaks	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: S M. CROUCH

Title: PROJECT ENGINEER

Sheet 1 of 11

Date: 1/22/2010

Time: 10 AM

Verified By: S AIZAWA

Title:

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 1-22-2010

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None @ this time.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: SM
Title: PE

Sheet 4 of 11
Date: 1-22-2010
Time: 10 AM

Verified By: SA
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	H
2.	Stressed Vegetation (Plant Die-Back)	H
3.	Sediment Build-Up	H
4.	Local Subsidence or Loss of Grade	H
5.	Water Ponding	H
6.	Turf Height	H
7.	Burrowing Animals	3
8.	Weeds or Undesirable Vegetation	H
9.	Evidence of Fires or Vandalism	H
10.	Soil Quality Check	H (Visual)
11.	Unauthorized Traffic	H
12.	Slope Instability or Sloughing	H
13.	Survey Monuments	H
14.	Vertical Cracking	H
15.	Intrusions	H
16.	Evidence of Waste Pit Materials	H

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11

Date: 1-22-2010

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

7. Signs of Gopher activity. Flag area & Notify BUGMAN.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: SM
Title: PE

Sheet 6 of 11
Date: 1-22-2010
Time: 10 AM

Verified By: SA
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	3
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 1-22-2010

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

4. Rust/Corrosion of fence. Stuff to keep monitoring, but structurally sound.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: SM

Title: PE

Sheet 8 of 11

Date: 1-22-2010

Time: 10:30

Verified By: SA

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	3
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

3. Build-up - Catch Basin on Northeast portion of Property was partially blocked with trash (plastic bags) Staff cleaned Drain and disposed of material.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: SA
Title: PE

Sheet 9 of 11
Date: 1-22-2010
Time: 10:45

Verified By: SA
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain)_____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	3
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

2. Ponding on Eastern portion of property is ~~[illegible]~~ larger & wider than yesterday due to continuous heavy rain. Staff will monitor to see if it dries up. If not Staff will pump water into catch basin.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: SM

Title: PE

Sheet 10 of 11

Date: 1-22-2010

Time: 11pm

Verified By: SA

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	
4. Sniff for signs of leaks	4
Condensate Collection[1]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 1-22-2010

9. System Sensors
   - Visible Damage 4
   - Mechanical Functioning 4

10. SVE Wellheads[2]
   - Tee Flanges 4
   - Valves
   - Sniff for signs of leaks 4.

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time.

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: IY

Title: PE

Sheet 1 of 11

Date: 2/8/10

Time: 11:30 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: IY

Title: PE

Sheet 2 of 11

Date: 2/8/10

Time: 11:37 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

	Condition/Remarks
Collection System Valves	
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection[1]	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	4
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 2/8/10

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: IY
Title: PE

Sheet 4 of 11
Date: 2/8/10
Time: 11:45 AM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4 (visual only)
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 2/8/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: IY
Title: PE

Sheet 6 of 11
Date: 2/8/10
Time: 11:55 AM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	3
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 2/8/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

None at this time

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 8 of 11

Date: 2/8/10

Time: 12:03 PM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IY
Title: PE

Sheet 9 of 11
Date: 2/8/10
Time: 12:10 PM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain)_____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	3
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: IY

Title: PE

Sheet 10 of 11

Date: 2/8/10

Time: 12:17 PM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	
4. Sniff for signs of leaks	4
Condensate Collection[1]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4 A-B
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 2/8/10

9. System Sensors
   - Visible Damage 4
   - Mechanical Functioning 4

10. SVE Wellheads[2]
   - Tee Flanges 4
   - Valves
   - Sniff for signs of leaks 4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: S M. GEOUGH

Sheet 1 of 11

Title: PROJECT ENGINEER

Date: 3/31/2010

Time: 10AM

Verified By: IAN JUSKO

Title: PROJECT ENGINEER / SCIENTIST

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	3

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: SM

Title: PE

Sheet 2 of 11

Date: 3/31/2010

Time: 10 AM

Verified By: LY

Title: PE/Staff Geologist

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Collection System Valves	Condition/Remarks
1. Adequate-Free Movement	H
2. Seals - Complete	H
3. Signs of Rust/Corrosion	3
Condensate Collection [1]	
4. Air Moisture Separator	H
Carbon Adsorbers	
5. Vessels	H
- Exterior Damage	H
- FRP Grating and Mesh	H
Heavy Equipment	
6. Blower	
- General Motor Maintenance	H
- Drive Maintenance	H
- Bearing Maintenance	H
- Lubrication	H
- Structural Maintenance	H

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: _____

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: SM

Title: PE

Sheet 4 of 11

Date: 3/31/2010

Time: 10 AM

Verified By: IJ

Title: PE

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	3
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	3
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 3/31/2010

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

AREA AROUND SPRINKLER at the North END of the PROPERTY, there is vegetation DIE off & SOME CRACKING ON the Surface. EVIDENCE of SOME Gopher ACTIVITY IN the AREA. STAFF WILL ENSURE that BUGMAN TREATS that AREA. STAFF WILL OBSERVE this AREA ON UPCOMING SITE VISITS.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: SM
Title: PE

Sheet 6 of 11
Date: 3/31/2010
Time: 10AM

Verified By: IJ
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	H
2. Settlement Damage	H
3. Loose Posts/Tension	H
4. Rust/Corrosion	3
5. Ruts and Burrows Beneath Fence	H
6. Vegetation Overgrowth	H
7. General Signs of Deterioration	3
8. Vandalism/Animal/Wind Damage	H
Gates	
9. Adequate Movement of Hinges and Gates	3
10. Proper Function of Lock(s)	H

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 3/3/2010

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

AREAS of the PERIMETER fence ARE RUSTED, but are still INTACT. STAFF WILL CONTINUE to OBSERVE these areas for deterioration.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: SM

Title: PE

Sheet 8 of 11

Date: 3/31/2010

Time: 10 AM

Verified By: IJ

Title: PE

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: SM
Title: PE

Sheet 9 of 11
Date: 3/31/2010
Time: 10AM

Verified By: ZY
Title: PE

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain)_____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	4
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: SM

Title: PE

Sheet 10 of 11

Date: 3/31/2010

Time: 10am

Verified By: IS

Title: PE

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	H
2. Seals - Complete	H
3. Visible Damage	
4. Sniff for signs of leaks	H
Condensate Collection [1]	
5. Air Moisture Separator	H
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	H
- Vessel Configuration (A-B or B-A)	H
7. Blowers	
- General Motor Maintenance	H
- Drive Maintenance	H
- Bearing Maintenance	H
8. Oxygen Generator	
- Signs of Rust/Corrosion	H
- Mechanical Functioning	H
- Oxygen Purity	H

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: _____

9. System Sensors
   - Visible Damage _____ 4 _____
   - Mechanical Functioning _____ 2 _____

10. SVE Wellheads[2]
   - Tee Flanges _____ 4 _____
   - Valves
   - Sniff for signs of leaks _____ 4 _____

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):
2 System Sensors have been REMOVED AND ARE BEING Factory REPAIRED + CALIBRATED.

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 1 of 11

Date: 4/1/10

Time: 9:00 am

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 2nd Quarter

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 2 of 11

Date: 7/1/10

Time: 9:00

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 2nd Quarter

	Condition/Remarks
Collection System Valves	
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection[3]	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	4
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 7/1/10

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 4 of 11

Date: 7/1/10

Time: 9:00

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 2nd Quarter

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	3
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	3
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 7/1/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 6 of 11

Date: 7/1/10

Time: 9:00 am

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 2nd Quarter

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	4
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 7/1/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 8 of 11

Date: 7/1/10

Time: 9:00

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 2nd Quarter

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	3
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

* Observed a few joints in V-ditch that need re-caulking. Some other small holes and cracks in V-ditch also observed. Items will be repaired during routine maintenance.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: Stefan Klemm
Title: Project Manager

Sheet 9 of 11
Date: 9/1/10
Time: 9:00

Verified By: _____
Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 2nd Quater

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	4
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	3
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	3
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

Observed slight holes/cracking and a few points of V-ditch that require maintenance.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 10 of 11

Date: 7/1/10

Time: 9:00

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[illegible] ( ) After Heavy Rain[illegible]

( ) Other (explain) 2nd Quarter

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	4
4. Sniff for signs of leaks	4
Condensate Collection [illegible] (1)	
5. Air Moisture Separator	4 (separator contains approx 10 gallon of liquid)
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4 approx 92 %

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 7/1/10

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[2]	
	- Tee Flanges	4
	- Valves	4
	- Sniff for signs of leaks	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: C. Alexander

Title: E.L. Engineer

Sheet 1 of 11

Date: 9/28/2010

Time: 12:45

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 3rd Quarterly

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: C. Alexander

Title: E.L. Engineer

Sheet 2 of 11

Date: 9/28/2010

Time: 12:45

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 3rd Quarterly

	Condition/Remarks
Collection System Valves	
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection[3]	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	4
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 9/28/2010

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: C. Alexander
Title: G.L. Engineer

Sheet 4 of 11
Date: 9/28/2010
Time: 12:45

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]
( ) Other (explain) 3rd

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 9/28/2010

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: C. Alexander
Title: E.L. Engineer

Sheet 6 of 11
Date: 9/28/2010
Time: 12:45

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]
( ) Other (explain) 3rd

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	4
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 9/28/2010

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: C. Alexander

Title: E.I. Engineer

Sheet 8 of 11

Date: 9/28/2010

Time: 12:45

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 3rd

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24 hour period

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: C. Alexander
Title: E.L. Engineer

Sheet 9 of 11
Date: 9/28/2010
Time: 12:45

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]
( ) Other (explain) 3rd

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	4
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24 hour period.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: C. Alexander

Title: E.L. Engineer

Sheet 10 of 11

Date: 9/20/2010

Time: 12:45

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	
4. Sniff for signs of leaks	4
Condensate Collection [3]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	A-B
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 9/28/2010

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[4]	
	- Tee Flanges	4
	- Valves	4
	- Sniff for signs of leaks	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24 hour period.
(3) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(4) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: IY

Title: PE

Sheet 1 of 11

Date: 10/20/10

Time: 11:00 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: IY

Title: PE

Sheet 2 of 11

Date: 10/20/16

Time: 11:07 AM

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Collection System Valves	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection[3]	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	4
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 10/20/10

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

AMS lid needs replaced - consult with Baker Corp.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: IY
Title: PE

Sheet 4 of 11
Date: 10/20/10
Time: 11:15 AM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	N/A visual seems good
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 10/20/10
11:22 AM

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: IY
Title: PE

Sheet 6 of 11
Date: 10/20/10
Time: 11:24 AM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	3 fence in northwest corner
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 10/20/10
11:25 AM

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

Keep observing condition of all fences especially northwest area.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 8 of 11

Date: 10/20/10

Time: 11:27 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IV
Title: PE

Sheet 9 of 11
Date: 10/20/10
Time: 11:30 AM

Verified By: SM
Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain)_____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	4
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: IV

Title: PE

Sheet 10 of 11

Date: 10/20/10

Time: 11:38 AM

Verified By: SM

Title: PE

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	4
4. Sniff for signs of leaks	4
Condensate Collection[1]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	A-B
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4 ~91%

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 10/20/30
11:45 Am

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[2]	
	- Tee Flanges	4
	- Valves	4
	- Sniff for signs of leaks	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: C. Alexander

Title: Entry-level Engineer

Sheet 1 of 11

Date: 12/20/10

Time: 12:00pm

Verified By: Seamus McGeough

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

(X) Other (explain) _____

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: C. Alexander

Title: Entry-level Engineer

Sheet 2 of 11

Date: 12/20/2010

Time: 1200pm

Verified By: Seamus McGeagh

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

(X) Other (explain) _____

	Condition/Remarks
Collection System Valves	
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection[1]	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	4
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 12/20/2010

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

N/a

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: C. Alexander
Title: Entry-level Engineer

Sheet 4 of 11
Date: 12/20/10
Time: 12:00 pm

Verified By: Seamus McGrough
Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

(X) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	3
6.	Turf Height	4
7.	Burrowing Animals	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 12/20/2010

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

Ponding by front gate, as in previous years.

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: C. Alexander
Title: Entry-level Engineer

Sheet 6 of 11
Date: 12/20/2010
Time: 12:00pm

Verified By: Seamus McGeough
Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

(X) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	4
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 12/20/2010

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

N/a

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: C. Alexander

Title: Entry-level Engineer

Sheet 8 of 11

Date: 12/20/2010

Time: 12:00pm

Verified By: Seamus McGeough

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

(X) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

N/a

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: C. Alexander
Title: Entry-level Engineer

Sheet 9 of 11
Date: 12/20/2010
Time: 12:00pm

Verified By: Seamus McGeough
Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

(X) Other (explain)

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	4
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

N/a

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: C. Alexander

Title: Entry-level Engineer

Sheet 10 of 11

Date: 12/20/2010

Time: 12:00pm

Verified By: Seamus McGrough

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (X) After Heavy Rain[2]

(X) Other (explain) 1st Heavy Rains of 2010 Season

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	4
4. Sniff for signs of leaks	
Condensate Collection[1]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 12/20/2010

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[2]	
	- Tee Flanges	4
	- Valves	
	- Sniff for signs of leaks	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

N/a

(1) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(2) Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 1 of 11

Date: 12/21/10

Time: 11:00 am

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 4th Quarter Inspection

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: Steten Klemm

Title: Project Manager

Sheet 2 of 11

Date: 12/21/10

Time: 11:00 am

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 4th Quarter Inspection

	Condition/Remarks
Collection System Valves	
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	4
Condensate Collection	
4. Air Moisture Separator	4
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower (no excessive noise)	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
- Lubrication	self lubricating
- Structural Maintenance	4

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 12/21/10

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

~~(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.~~

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 4 of 11

Date: 12/21/10

Time: 11:00 am

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 4th Quarter Inspection

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	4
5.	Water Ponding	4
6.	Turf Height	4
7.	Burrowing Animals	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 12/21/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: Stefan Klemm
Title: Project Manager

Sheet 6 of 11
Date: 12/21/10
Time: 11:00 am

Verified By: _____
Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 4th Quarter Inspection

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	4
5. Ruts and Burrows Beneath Fence	4
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 12/21/10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 8 of 11

Date: 12/21/10

Time: 11:00 am

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 4th Quarter Inspection

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	4
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: Stefan Klemm
Title: Project Manager

Sheet 9 of 11
Date: 12/21/10
Time: 11:00 am

Verified By: _____
Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 4th Quarter Inspection

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS	
1. Washouts or Erosion of Contoured Grade	4
2. Ponding on Contoured Grade	4
3. Gullies and Ruts on Contoured Grade	4
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) ~~Contoured grades, swales, and catch basin~~s.

For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: Stefan Klemm

Title: Project Manager

Sheet 10 of 11

Date: 12/21/10

Time: 11:00 am

Verified By: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 4th Quarter Inspection Event

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	4
4. Sniff for signs of leaks	4
Condensate Collection ~~(4)~~ 3	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	4
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: _____

9. System Sensors
   - Visible Damage 4
   - Mechanical Functioning 4

10. SVE Wellheads~~(2)~~ (4)
   - Tee Flanges 4
   - Valves 4
   - Sniff for signs of leaks 4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) refer to Table 3.3.2 of the O&M Plan for frequency based on magnitude and distance from the Site.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999
(3) ~~(3)~~ Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(4) ~~(2)~~ Tee flanges monitored for leaks using a PID.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: KENT VOLLMER

Title: PROJECT MANAGER

Sheet 1 of 11

Date: 12-23-10

Time: 10:30-11:30 am

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Access Road	
1. Holes and Cracks	4
2. Vegetation Overgrowth	4
3. Settlement	4
4. Excessive Dispersion of Gravel	4
5. General Signs of Deterioration	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: KENT VOLLMER

Title: PROJECT MANAGER

Sheet 2 of 11

Date: 12-23-10

Time: 10:30 - 11:30am

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Collection System Valves	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Signs of Rust/Corrosion	3
Condensate Collection[3]	
4. Air Moisture Separator	3
Carbon Adsorbers	
5. Vessels	4
- Exterior Damage	4
- FRP Grating and Mesh	4
Heavy Equipment	
6. Blower	
- General Motor Maintenance	3
- Drive Maintenance	3
- Bearing Maintenance	3
- Lubrication	3
- Structural Maintenance	3

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Sheet 3 of 11

Date: 12-23-10

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

(3) Initial condensate collected from the air moisture separator must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: KENT VOLLMER

Title: PROJECT MANAGER

Sheet 4 of 11

Date: 12-23-10

Time: 10:30-11:30 am

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition/Remarks
1.	Erosion	4
2.	Stressed Vegetation (Plant Die-Back)	4
3.	Sediment Build-Up	4
4.	Local Subsidence or Loss of Grade	3
5.	Water Ponding	3
6.	Turf Height	4
7.	Burrowing Animals	3
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	4
12.	Slope Instability or Sloughing	4
13.	Survey Monuments	4
14.	Vertical Cracking	4
15.	Intrusions	4
16.	Evidence of Waste Pit Materials	4

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Sheet 5 of 11
Date: 12-23-10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: KENT VOLLMER
Title: PROJECT MANAGER

Sheet 6 of 11
Date: 12-23-10
Time: 10:30-11:30 am

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	4
2. Settlement Damage	4
3. Loose Posts/Tension	4
4. Rust/Corrosion	3
5. Ruts and Burrows Beneath Fence	3
6. Vegetation Overgrowth	4
7. General Signs of Deterioration	4
8. Vandalism/Animal/Wind Damage	4
Gates	
9. Adequate Movement of Hinges and Gates	4
10. Proper Function of Lock(s)	4

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Sheet 7 of 11
Date: 12-23-10

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: KENT VOLLMER

Title: PROJECT MANAGER

Sheet 8 of 11

Date: 12-23-10

Time: 10:30-11:30am

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	4
2. Plugging of Drainage Inlets	4
3. Sediment Build-Up or Debris in Catch Basin	3
4. Structural Failure of Catch Basin	4

Condition/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Maintenance/Repair)

1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24 hour period

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: KENT VOLLMER
Title: PROJECT MANAGER

Sheet 9 of 11
Date: 12-23-10
Time: 10:30 - 11:30 am

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain)_____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS	
1. Washouts or Erosion of Contoured Grade	3
2. Ponding on Contoured Grade	3 NEAR ENTRANCE
3. Gullies and Ruts on Contoured Grade	3
4. Plugging of Drainage Culverts	4
5. Holes and Cracks in Swales or Catch Basins	4
6. Sediment Build-Up in Swales or Catch Basin	4
7. Surface Cracking of Swales/Catch Basins	4
8. Spalling of Swales/Catch Basins	4
9. Structural Failure of Swales/Catch Basins	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24 hour period.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: KENT VOLLMER

Title: PROJECT MANAGER

Sheet 10 of 11

Date: 12-23-10

Time: 10:30-11:30 am

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	4
2. Seals - Complete	4
3. Visible Damage	4
4. Sniff for signs of leaks	4
Condensate Collection[3]	
5. Air Moisture Separator	4
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	4
- Vessel Configuration (A-B or B-A)	4
7. Blowers	
- General Motor Maintenance	4
- Drive Maintenance	4
- Bearing Maintenance	4
8. Oxygen Generator	
- Signs of Rust/Corrosion	~~4~~ 3
- Mechanical Functioning	4
- Oxygen Purity	4

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 12-23-10

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[4]	
	- Tee Flanges	4
	- Valves	4
	- Sniff for signs of leaks	4

Condition/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Maintenance/Repair)
1 = Poor (Needs Immediate Maintenance/Repair)

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24 hour period.
(3) Condensate collected from (1) moisture separator (2) conveyance piping, and (3) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.
(4) Tee flanges monitored for leaks using a PID.