2011 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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ACRONYMS AND ABBREVIATIONS
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AO	Administrative Order
Annual Report	2011 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 2011 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, Del Amo Waste Pits Operable Unit, Torrance, California,* C2 REM, revised September 2011 (OM&M Manual).

This Annual Report provides a summation of the OM&M activities conducted from January through December 2011 at the Waste Pits OU during the 12th year of operation of the Phase I remedy (e.g., multi-layer cap, soil vapor monitoring probes) and the 5th 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 Non-Routine Maintenance
7.0 Groundwater Monitoring
8.0 Waste Disposal
9.0 Conclusions and Recommendations
10.0 References

2.0 SITE HISTORY

The Waste Pits OU includes Lots 36 and 37 of the Los Angeles County Assessor's Map of Tract 4671 and is bounded by 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. One major petroleum/petrochemical pipeline corridor is located within the property near the southern boundary of the Site.

The Waste Pits OU includes two adjoining parcels of land (Lots 36 and 37), which previously contained 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 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, a 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 Cap Gas System monitoring activities in 2011 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, weekly monitoring was conducted from four sample locations: 1) system influent, 2) effluent of the lead carbon vessel, 3) effluent of the secondary carbon vessel, and 4) system effluent.

3.2 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 6.1 ppm to 80.0 ppm, and system effluent concentrations ranging from 0.0 ppm to 0.8 ppm were recorded during 2011 (see Figure 4.0). The average VOC concentration at the influent in 2011 was 38.2 ppm. The field forms used to record results of the Cap Gas System monitoring events are 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, carbon shall be replaced to ensure the System is operating within compliance (see Figure 5.0). Based upon this protocol, the lead and/or secondary carbon canisters were changed out 12 times during 2011. Due to the increased influent concentrations in the Cap Gas System during 2011, carbon was replaced more frequently and has prompted follow-up monitoring events to verify operational compliance based upon the protocol.

3.2.1 CAP GAS SYSTEM CONFIRMATION SAMPLING

C2 REM, with the approval of the USEPA (December 4, 2002), 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 last conducted a confirmation sampling event of the Cap Gas System on September 11, 2010 to ensure the effectiveness of field monitoring. 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.

3.3 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 in order to comply with the Record of Decision (ROD). The intent of the ROD cleanup goal is to prevent the migration of contaminants, primarily benzene; from the Waste Pits OU such that they do not contribute more than a 0.5% increase in contaminant concentration of the existing impacted groundwater underlying the Site.

The SVE/IBT System final design includes oxygen/vapor 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.

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 then. The results from the 5th 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 (e. g. monthly laboratory results for benzene at the inlet of the SVE/IBT System average 17,250 ppm versus the ethylbenzene average of 644 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 collected from the SVE/IBT System is provided in Table 2.0.

Information related to the SVE/IBT System collected during this period includes field notes (see Appendix B), SVE/IBT System 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.

3.3.1 SVE/IBT SYSTEM OM&M ACTIVITIES

The 5th year of the long-term OM&M activities began in 2011 and included bi-weekly field monitoring, monthly laboratory sampling of the SVE/IBT System, monthly perimeter well monitoring, and quarterly full-scale field monitoring of perimeter, cluster, vacuum performance, and SVE wells (see Appendix A for all field monitoring results and Figure 6.0 for all well locations).

The SVE/IBT System was monitored at the following four stations (see Figure 7.0):

- 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 unit 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 7.0 for the location of each in-line sensor). Along with the field monitoring, samples were also obtained 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 (see Table 2.0 and/or Appendix C).

Additionally, full-scale field monitoring was conducted quarterly and its scope included taking readings from all the Site's soil vapor monitoring locations (perimeter, vacuum performance, cluster, and SVE wells) (see Appendix A). Perimeter wells were monitored monthly (wells A, B, C, D, and 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 cap boundaries (see Figure 6.0).[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 measurements of O_2, LEL, and CO_2.

3.3.1.1 SVE/IBT System Monitoring Results

Based on laboratory results, the benzene concentrations at the SVE/IBT System influent ranged from 14,000 ppm to 20,000 ppm with an average of 17,250 ppm. The benzene concentrations detected at the post ambient air location ranged from 1,200 ppm to 3,400 ppm. The benzene concentrations at the outlet of C_1 ranged from non-detect (ND<1.6 ppm) to 2,700 ppm. The benzene concentrations at the effluent were all ND (<1.6 ppm) (see Table 2.0). 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 8.0). O_2 concentration at the influent ranged from 6.9% to 12% with an average of 9.6%. CO_2 concentration at the influent ranged from 16% to 22% with an average of 18.4%. During 2011, the oxygen generator was operated continuously during SVE/IBT System operation.

3.3.1.2 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 operated throughout 2011 and the subsurface vapors have been mixing since the System went online in 2006, 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.

[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.

The field data collected from the cluster wells during this operation period is presented in Table 3.0. O_2 concentrations ranged from 0% to 20.9% with an average of 15.4%. CO_2 concentrations ranged from 0% to 29.4% with an average of 5.9%. VOC concentrations ranged from 0 ppm to greater than 15,000 ppm (Note: PID range is 0-15,000 ppm).

In order to 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 equilibrate. This process will occur during a Performance Monitoring Event (PME) planned for 2012. The PME will allow analysis of the vertical soil vapor concentrations and gradient in each vertical horizon in Sub-Areas 1-3 utilizing the cluster wells. The data obtained will be compared to 1998 Baseline Calculated Concentrations to determine the SVE/IBT System's overall ability to satisfy the Remedial Action Objectives (RAOs).

Results of O_2 concentrations from the 2003 baseline laboratory confirmation sampling event are compared with field results obtained during 2011 and presented in Figure 9.0. O_2 levels in 2011 generally indicate an increase 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.

3.3.1.3 Vacuum Performance Well Monitoring Results

The field data collected from the vacuum performance wells during this operation period is presented in Table 4.0. O_2 concentrations ranged from 0% to 20.9% with an average of 8.4%. CO_2 concentrations ranged from 0% to 28.2% with an average of 11.4%. VOC concentrations ranged from 0.1 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 2011 monitoring data for the vacuum performance wells, average negative pressure (-0.05 inches of water) was observed at these wells during quarterly sampling events with the exceptions of Wells 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 (i.e., air re-circulation) makes this observation difficult in Sub-Areas 1 and 2 due to the close proximity of the extraction and injection wells. In Sub-Area 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:

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

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 approximately 52.17 feet (see Table 5.0).

3.3.1.4 SVE Well Monitoring Results

The field data collected from the SVE wells during this operational period is presented in Table 6.0. O_2 concentrations ranged from 0% to 40.0% with an average of 7.7%. 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 0.4% to 34.4% with an average of 14.7%. VOC concentrations ranged from 0 ppm to greater than 15,000 ppm (Note: PID range is 0-15,000 ppm).

3.3.1.5 PERIMETER WELL MONITORING RESULTS

The field data collected from the perimeter wells during this operational period is presented in Table 7.0. O_2 concentrations ranged from 3.9% to 20.9% with an average of 15.6%. CO_2 concentrations ranged from 0% to 17.0% with an average of 4.8%. VOC concentrations measured with a PID ranged from 0 ppm to 13.4 ppm. The average VOC concentration for the perimeter wells is 0.1 ppm, with the exception of perimeter well B. VOC concentrations at perimeter well B ranged from 0.1 ppm to 13.4 ppm with an average of 6.2 ppm. 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 be monitored and analyzed during the 2012 PME.

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).

3.3.2 SVE/IBT SYSTEM OPERATION SUMMARY

In 2011, the SVE/IBT System operated for 1,721 hours out of 2,080 possible hours (assuming 8 hours/day, Monday-Friday). The continuous operating time of the O_2 generator with the SVE/IBT System operation, coupled with a continuing inverse relationship between O_2 and CO_2 from 2009 to 2011, provide strong indications of a sustained microbial population removing benzene through biodegradation (see Figure 11.0). Downtime during this period is attributed to carbon change-outs, monitoring, and routine system maintenance (see Table 8.0).

The overall operation efficiency during this period was 83%. Total estimated operating parameters are as follows:

- Injected re-circulated air volume - approximately 3,614,100 standard cubic feet (scf) at an average flow rate of 39.0 standard cubic feet per minute (scfm);
- Generated O_2 gas injected - approximately 371,736 scf at an average flow rate of 3.7 scfm and 91% purity;
- Extracted air volume - approximately 4,450,506 scf at an average flow rate of 44.4 scfm; and,
- Treated air volume - approximately 939,666 scfm at an average flow rate of 9.1 scfm.

During 2011, the SVE/IBT System operated in a manner consistent with design parameters and has effectively removed approximately 7,083 kg (15,583 lbs) total of benzene through degradation (5,592 kg [12,303 lbs]) and adsorption (1,491 kg [3,280 lbs]). Table 9.0 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 6.9 kg/day (15.2 lbs/day) of benzene through the carbon beds (based upon the operational hours stated above), and is degrading approximately 15.3 kg/day (33.7 lbs/day) of benzene *insitu* as measured by O_2 utilization (based upon continual [24 hrs/day] degredation).

Fresh and spent carbon weights are recorded before and after each SVE/IBT System carbon change-out. Based on these weight comparisons, approximately 3,873 kg (8,521 lbs) of Site constituents and SVE/IBT System condensate were absorbed to both the primary and secondary vessels. There were eight carbon change-outs conducted during 2011 resulting in an average of 430 kg (946 lbs) of Site constituents and SVE/IBT System condensate adsorbed per carbon change-out (see Table 10.0). All carbon was transported offsite to a certified carbon facility for reactivation (see Appendix E).

Since the startup of the SVE/IBT System on August 6, 2006, a total of approximately 47,200 kg (103,840 lbs) of benzene have been removed from the Waste Pits OU (approximately 36,831 kg [81,028 lbs] through degradation and approximately 10,369 kg [22,812 lbs] through adsorption to carbon) (see Figure 12.0).

4.0 INSPECTIONS

Quarterly inspections with the USEPA and/or DTSC were conducted in accordance with the OM&M Manual (Section 4.0) on March 10, 2011; June 8, 2011; September 7, 2011; and December 8, 2011, for the cover system, the Cap Gas System, the SVE/IBT System, surface and subsurface water drainage systems, security fences, and access roads.

Additionally, all SVE well heads, not connected and 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 a post-rain inspection event on January 3, 2011 and March 21, 2011 to identify any matters of concern and/or areas in need of repair. Post-rain inspection events are conducted following periods of heavy rainfall, defined as 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 F.

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 some areas of ponding, 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 11.0. In addition, the cover system is subject to monument elevation measurements to monitor and track historical ground movement and settlement. The most recent monument survey was conducted in March, 2010. The next survey event is scheduled for the 1st Quarter of 2015.

4.2 SUMMARY OF CAP GAS SYSTEM INSPECTIONS

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 12.0. C2 REM replaced the lid on the air/moisture separator, due to rust, on April 15, 2011, but did not observe any significant repair/maintenance issues with the Cap Gas System.

4.3 SUMMARY OF SURFACE AND SUBSURFACE DRAINAGE INSPECTIONS

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 13.0 and 14.0). 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, and minor repairs were made during routine site maintenance.

4.4 SUMMARY OF SECURITY FENCE AND ACCESS ROAD INSPECTIONS

Visual inspections of the security fence and gates were performed to identify breaks, vandalism, settlement damage, loose tension, and corrosion (see Table 15.0). The gravel access road was inspected to identify dispersion of gravel and/or vegetation overgrowth. C2 REM did not observe any significant repair issues regarding the access road (see Table 16.0). Breaks, vandalism, and general signs of deterioration of the perimeter fence were repaired as part of routine maintenance.

4.5 SUMMARY OF SVE/IBT INSPECTIONS

Inspection of the SVE/IBT System included visual assessments of system conditions as well as mechanical assessments on an as-needed basis (see Table 17.0). 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 unit and data recorders.

No significant repairs were made to the SVE/IBT System in 2011. Periodic calibration and maintenance were performed on the in-line sensors throughout the year. 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) ensure that the integrity of the 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 remedies 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 grass (California mix) on the cap and the surrounding areas has maintained the required turf height (less than 1 foot) and helped control potential fire outbreaks by eliminating the build-up of dry grass thatch. The occurrence of burrowing animals is regulated via a pest control company in order to prevent damage to the cover system. Stressed vegetation has been addressed with the installation of an above-ground irrigation system which is routinely operated by C2 REM field staff.

5.2 GAS COLLECTION AND TREATMENT SYSTEM

C2 REM conducted weekly visual observations of the Cap Gas System's above-ground components and system enclosure to identify potential maintenance requirements and/or repairs. C2 REM field staff routinely accessed the PLC unit to ensure that the mechanical components of the blower motor and control unit were operating as designed to reduce the probability of malfunction.

5.3 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 2011.

5.4 SECURITY AND PERIMETER FENCE

The perimeter fence was routinely inspected for damage/vandalism as part of the normal property maintenance. C2 REM periodically repaired sections of the perimeter fence and signage exhibiting stress, vandalism, or structure damage in 2011.

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 2011.

5.6 SVE/IBT SYSTEM

SVE/IBT components that require routine maintenance and monitoring to ensure proper functioning include the following 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. Also included as part of the 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 PLC unit remotely from the office to assure that these components are operating as designed to reduce the probability of malfunction. C2 REM conducted bi-weekly onsite 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 2011 included replacement of sample ports, replacement of portions of the piping insulation, change-out of carbon, calibration/maintenance of in-line meters, greasing of the O_2 generator blower, and changing of the O_2 generator belts. Additionally, bi-weekly SVE/IBT field monitoring was conducted 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.

5.7 ONSITE TRAILERS AND STORAGE BIN

The onsite trailer and storage bin are routinely inspected for damage and incidents of vandalism. In an effort to further deter individuals from approaching onsite 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 during 2011.

6.0 NON-ROUTINE MAINTENANCE

Although not outlined in the revised 2011 OM&M Manual, C2 REM performs an annual pressure test on the SVE/IBT System conveyance piping to assist in the early identification of possible repair issues with limited system operation interruption. This activity checks for pressure irregularities within an individual pipe segment to indicate potential pipe, joint, or O-ring degradation. When a pressure irregularity is encountered, C2 REM identifies and repairs the subject area. C2 REM has noted that the quantity of repairs has increased over the last several years, which may indicate replacement of the conveyance piping will be necessary in the near future.

7.0 GROUNDWATER MONITORING

7.1 INTRODUCTION

Quarterly groundwater monitoring, including gauging and sampling of eleven Site groundwater monitoring wells was conducted in accordance with the recommendations contained within the *Second Five Year Review Report*, USEPA, September, 2010. Groundwater monitoring events occurred on February 18, June 8, September 7, and December 8, 2011.

Monitoring events were conducted pursuant to requirements in the *Administrative Order (AO) for Remedial Action, Docket No. 99-08, Del Amo Waste Pits Operable Unit, Torrance, California,* USEPA, 1999 and the *Operations and Monitoring Manual for the Del Amo Waste Pits Operable Unit, Torrance, California*, C2 REM, revised September 2011 (OM&M Manual).

7.2 BACKGROUND

Nineteen groundwater monitoring locations around the Del Amo Waste Pits area were utilized to provide means of monitoring the Water Table (WT) Aquifer which assisted in developing Site RAOs in 1998. Groundwater data collected in 1998 were used to calculate the baseline average groundwater concentration in each of the four sub-areas. Of these 19

groundwater monitoring well locations, some were one-time Cone Penetrometer Test (CPT) locations and others have been abandoned, leaving 11 wells remaining. These 11 wells were identified for sampling during monitoring events (see Figure 13.0).

Groundwater monitoring was conducted in connection with the Del Amo and Montrose Chemical superfund groundwater operable units from 1994 through 2000 and again in 2004 and 2006. Not all of the 11 groundwater monitoring wells associated with the Site were gauged and sampled in each of the referenced events. The historical records of these events are summarized in the *Combined 2006 Baseline Monitoring / TCE and Benzene Plumes Data Acquisition Report* (URS, June 7, 2006).

7.3 OBJECTIVES

The primary objective for sampling the subject 11 groundwater monitoring wells is to verify that the specified performance standard for the Site is being achieved (i.e., Constituents of Concern (COCs) from the Waste Pits OU shall not cause an incremental groundwater contribution in excess of 0.5% of the existing groundwater COC concentration).

The Second Five Year Review Report issued on September 22, 2010, further identifies the necessity of finalizing or revising the methodology for measuring progress toward achieving the soil cleanup standard. The 2011 quarterly groundwater sampling provides relevant data needed to develop the finalization/revision of the RAOs for this Site.

7.4 METHODOLOGY

Groundwater gauging, sample collection, and handling of purged/redevelopment water was conducted in accordance with the Groundwater Sampling and Analysis Plan appended to the Waste Pits OM&M Manual (C2 REM, September, 2008) and as amended via email to USEPA on February 10, 2011 and approved on February 18, 2011. Prior to initiation of monitoring well gauging and sample collection, the well seals were removed to allow the well to acclimate to atmospheric conditions. Upon completing this step, each of the monitoring wells were gauged for 1) total well depth, 2) depth to water and, 3) field analyzed for pH, temperature, turbidity, dissolved oxygen, and conductivity (see Table 18.0).

Groundwater samples were placed into laboratory supplied sample containers then placed in a cooler and chilled to a temperature of approximately $4^{o}C$ for shipment to a laboratory for chemical analysis. Each laboratory provided container was labeled with the following information: location, ID number, date, time, sampling personnel, and analyses required. This information was also entered on a chain-of-custody form. At the end of the sampling efforts, groundwater samples were forwarded to CalScience Analytical Laboratories, Inc., along with chain-of-custody forms, for the analysis of semi-volatile organic compounds (SVOCs) by USEPA Test Method 8270C and volatile organic compounds (VOCs) by USEPA Test Method 8260B.

7.5 RESULTS

Nine of the 11 monitoring wells were gauged and sampled during the 1st Quarter sampling event that occurred on February 18, 2011. During this event, the remaining two monitoring wells (PZL0024 and PZL0025) were inspected and found to have been damaged to the extent that they could not be gauged or sampled. The damage in both cases appeared to be to the upper portion of the well casing (roughly 3-5 feet below ground surface).

Repairs to monitoring wells PZL0024 and PZL0025 were completed between May 27 and May 31, 2011 by over-drilling and replacing casings in kind and utilizing the same total depth and screen intervals as shown in the original well construction records. Upon completion of repairs, all 11 monitoring wells were redeveloped between June 1 and 3, 2011 by means of swabbing and purging sufficient to establish stabilization. Field data sheets for the re-development activities are included in Appendix G.

Redevelopment/purge water was stored on-Site; samples were collected for characterization, and transported offsite as hazardous waste triggering the need for a large quantity generator (LQG) determination. Required LQG documentation was filed on February 21, 2012 and was submitted to USEPA on March 21, 2012. Waste soil and casing materials generated during the well repair activities were containerized and transported offsite as non-hazardous waste.

Subsequent to completion of repair and re-development activities, a survey was conducted to re-establish position and elevation of all 11 groundwater monitoring wells. Survey data (Appendix H) match previously recorded data with the exception of the repaired monitoring wells (PZL0024 and PZL0025), PZL0019, and SWL0051 which were approximately 2.5 feet higher in elevation than previously indicated. All groundwater elevations reported for 2011 (Table 19.0 and Figure 14.0) have been normalized to the current survey data. All 11 monitoring wells were gauged and sampled during subsequent sampling events. Monitoring well total depths are consistent with past records and monitoring events.

7.6 GROUNDWATER ELEVATIONS

Historic time-series groundwater elevations for the area encompassing the Montrose Chemical and Del Amo OUs demonstrated a south to southeasterly gradient (URS, 2007). Groundwater elevations in the region have been rising over time (see Figure 15.0) due to an overall reduction of regional pumping for both potable and agricultural uses. Groundwater gauging of on-Site wells in 2011 demonstrates that elevations continued to rise in relationship to previous levels, generally 1.5 to 2 feet since the 2006 sampling event (see figure 15.0). Based upon this groundwater data, there appears to be a slight groundwater gradient to the south associated with the Site. URS has reported that they will be conducting a groundwater monitoring event for the Del Amo Superfund area in 2012

and will report their results under separate cover. This data will be reviewed next year to confirm elevation and gradient data.

7.7 GROUNDWATER QUALITY

Analytical laboratory results and field data sheets are presented in Appendices I and G, respectively; and a tabular summary of results is presented on Table 20.

VOCs are the primary COCs for the Site with benzene being the primary constituent. Review of analytical laboratory results indicates that the highest benzene concentrations were reported for samples collected from monitoring wells located to the north (i.e., hydraulically up-gradient). Benzene concentrations decrease dramatically in samples collected from monitoring wells located to the south (i.e., hydraulically down-gradient) (see Figure 16.0), with four of the five samples below laboratory detection limits (<0.5 μg/L), which is below the California maximum contaminant level (MCL) of 1 μg/L.

To further assess benzene concentration trends, a non-parametric statistical analysis was performed (Mann-Kendall analysis), which will identify either an increasing trend, no trend/stable, or a decreasing trend. Mann-Kendall is a nonparametric procedure that determines the absence or presence of trends/correlations in an ordered paired data set. The test makes no assumption as to the underlying distribution of the dataset. For this purpose, Mann-Kendall test measures the difference in the probability that the two variables in the dataset are in the same order versus the probability that the two variables are in different orders. The minimum data set required to perform a Mann-Kendall analysis is four, with an increased confidence in the trend for an increased sample dataset.

Presented below is a summary of the Mann-Kendall trends, based on the most recent four sample events (supporting analysis presented in Appendix J):

Well	**Mann-Kendall Trend**
PZL0018	Increasing
PZL0019	No Trend
PZL0020	No Trend – Likely Decreasing
PZL0022	No Trend – Results Below Detection Limits
PZL0024	No Trend – Results Below Detection Limits
PZL0025	No Trend – Results Below Detection Limits

Well	**Mann-Kendall Trend**
SWL0008	Decreasing
SWL0044	Decreasing
SWL0051	No Trend – Results Below Detection Limits
XMW29	No Trend
XP02	No Trend – Results Below Detection Limits

Based on review of the analytical laboratory results and the Mann-Kendall analysis, the benzene concentration in the groundwater sample collected from monitoring well PZL0018

is increasing. The benzene concentration in the groundwater sample collected from monitoring well PZL0018 was reported at 20,000 micrograms per liter (µg/l) during the first 2011 quarterly sampling event. Due to historic benzene concentrations for groundwater samples collected from this well (i.e., < 2.0 µg/L or non-detect), follow-up sampling was performed on March 18, 2011 and the benzene concentration was reported at 4,200 µg/L. Subsequent quarterly sampling events continue to indicate benzene concentrations in the range of 2,500 to 6,300 µg/L for this monitoring well. The source of benzene concentrations for monitoring well PZL0018 is unclear and may relate to sources other than the Del Amo Pits site.

Benzene concentrations from monitoring well XMW29 have fluctuated over time with a downward trend observed in 2011. Monitoring Well XMW29 is located up gradient (north and west) of the Del Amo Pits Site and it is believed that VOC concentrations for this well are influenced by off-site sources to the north. SVOCs concentrations were generally low and consistent with historic levels, with naphthalene being the only SVOC that is present in concentrations above the California Notification Level and those occurrences are within or immediately adjacent to the Site (see Table 21.0).

8.0 WASTE DISPOSAL

In 2011, the Site generated waste from different sources including purged groundwater, soil from groundwater well replacements, SVE/IBT System condensate, sampling media/PPE, activated carbon, and decontamination water. All waste generated on-Site was handled, stored, transported, and recycled/disposed in a manner consistent with current USEPA regulations. Additionally, all containerized waste was properly characterized, labeled, and then picked up from the Site within all required time frames by the Site's designated primary licensed waste hauler, American Integrated Services (AIS). All waste generated at the Site was properly manifested using appropriate non-hazardous and hazardous waste manifest forms to track the waste from the point of generation to the point of final disposition. Lastly, all waste was shipped to an authorized waste disposal facilities. See Table 22.0 for a summary of all the Site-generated waste in 2011.

9.0 CONCLUSIONS AND RECOMMENDATIONS

Following the 12th year of operation of the Phase I remedy (e.g., multilayer cap, soil vapor monitoring probes) and the 5th year of operation of the Phase II remedy (i.e., SVE/IBT System), the Del Amo Waste Pits OU remedies are functioning as designed. Provided below are conclusions and recommendations associated developed based on the results presented herein:

- The cover system and the other associated systems have performed well during 2011, and the required inspection requirements and monitoring frequencies are adequate to assess whether the remedies for the Waste Pits OU are functioning as designed.

- PLC unit, field, and analytical laboratory testing confirmed that the SVE/IBT System is performing at a level consistent with design parameters and has been effective in the biodegradation of on-site COCs. The current estimate is that the SVE/IBT System is degrading approximately 15.3 kg (33.7 lbs) of benzene per calendar day and adsorbing approximately 6.9 kg (15.2 lbs) of benzene per operational day. To date, the SVE/IBT System has removed approximately 47,200 kg (103,840 lbs) of benzene from the Waste Pits OU (approximately 36,831 kg [81,028 lbs] through degradation and approximately 10,369kg [22,812 lbs] through adsorption to carbon).

- Continuous O_2 generator operation with the SVE/IBT System operation in 2011, supported by SVE/IBT System monitoring results, demonstrate a continuing inverse relationship between O_2 and CO_2 from 2009 to 2011, and provide strong indications of a sustained microbial population removing benzene through biodegradation. 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, if system operations continue.

- A SVE/IBT System performance monitoring event (PME) will be performed during 2012 to assure ROD objectives are being met.

- 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.

- 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 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 2011. C2 REM will continue to closely monitor the Phase I and II remedy components in 2012 during routine and non-routine inspections. Continued inspections and monitoring activities for 2012 shall be conducted in accordance with the schedule provided in Table 23.0.

- Groundwater analytical laboratory results indicates that the highest benzene concentrations were reported for samples collected from monitoring wells located to the north (i.e., hydraulically up-gradient). Benzene concentrations decrease dramatically in samples collected monitoring wells located to the south (i.e., hydraulically down-gradient) of the operable unit with four of the five samples

below laboratory detection limits (<0.5 μg/L), which is below the California MCL of 1 μg/L.

Mann-Kendall analysis indicated one increasing trend, two decreasing trends, and eight no trends in the 11 monitoring wells included within the groundwater monitoring program. In addition, five of the eight wells identified with no trend, exhibited analytical laboratory results below detection limits.

Overall, this data is very favorable, indicating that natural attenuation is occurring, the dissolved phase VOC plume is not expanding, and that operable unit is not contributing to the degradation of underlying groundwater.

10.0 REFERENCES

C2 REM, *Waste* Pits *Operation, Maintenance and Monitoring Manual, Del Amo Waste Pits*, Revised September 2011.

C2 REM, *2010 Operations, Maintenance and Monitoring Annual Report, Del Amo Waste Pits*, April 2011.

C2 REM, *Remedial Action Objectives/Performance Monitoring Assessment*, Prepared for USEPA, March 9, 2011.

C2 REM, *SVE/IBT 1-Year Long-Term OM&M Technical Memorandum,* June 3, 2008

C2 REM, *Summary of SVE/IBT Pre-System Start-up Operations, Technical Memorandum*, February 2007.

C2 REM, *Summary of SVE/IBT 3-Month Short-Term Operations, Technical Memorandum*, December 2006.

C2 REM, *SVE/IBT Construction Quality Assurance Plan*, January 2006.

C2 REM, *SVE/IBT Operation, Maintenance and Monitoring Manual, Del Amo Waste Pits*, January 2006.

C2 REM, *Final Design Report,* January 2006.

C2 REM, *Pre-Final Design Report Addendum*, September 2005.

C2 REM, *Remedial Design Work Plan Addendum-Insitu Bioventing Technology Assessment, Del Amo Waste Pits,* January 2005.

C2 REM, *Cap Gas Collection and Treatment Baseline Monitoring and Long-term Monitoring Recommendations Report, Del Amo Waste Pits Operable Unit, Los Angeles County, California,* December 2000.

Dames and Moore, *Remedial Design Work Plan, Del Amo Pits Operable Unit, Torrance, California,* June 30, 1998.

Parsons Engineering Science, *Operational, Maintenance and Monitoring Manual for the Del Amo Waste Pits Operable Unit, Torrance, California,* March 12, 1999.

URS, *Combined 2006 Baseline Groundwater Monitoring/TCE and Benzene Plumes Data Acquisition Report, Joint Montrose Chemical and Del Amo Superfund Sites, Los Angeles,* California, June 7, 2007.

USEPA, *2007 Operations, Maintenance & Monitoring Annual Report, Unilateral Administrative Order No. 99-08, Del Amo Superfund Site,* August 15, 2008.

USEPA, *Second Five-Year Review Report for Del Amo Superfund Site, Waste Pits Operable Unit,* September 22, 2010.

USEPA, *Administrative Order (AO) for Remedial Action, Docket No. 99-08, Del Amo Waste Pits Operable Unit, Torrance, California,* May 3, 1999.

USEPA, *Administrative Order (AO) for Remedial Design, Docket No. 98-06, Del Amo Waste Pits Operable Unit,* May 5, 1998.

USEPA, *Record of Decision for Del Amo Waste Pits Operable Unit,* September 1997.

Webb, Murray, & Associates, *Process Hazard Analysis Report*, September 2005.

Table 1.0
2011 Cap Gas System Monitoring Results
Del Amo Waste Pits OU

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		
1/7/2011	9.1	4.5	0.2	0.1	76	100	144	175	50.5%	99%
1/11/2011	16.4	0.3	0.2	0.1	70.9	108.2	143	176	98.2%	99%
1/17/2011	29.4	0.2	0.2	0.1	75	115	143	166	99.3%	100%
1/20/2011	38.9	0.6	0.2	0.1	82	110	155	168	98.5%	100%
1/24/2011	19	0.5	0.1	0.1	80	106	150	165	97.4%	99%
2/2/2011	23	4.8	0.2	0.1	76.4	110	145	170	79.1%	100%
2/8/2011	25.2	0.3	0.2	0.2	70	97	150	175	98.8%	99%
2/16/2011	24.4	0.5	0.4	0.3	73.7	105	139	180	98.0%	99%
2/23/2011	22.8	2	0.2	0.1	72	105	145	185	91.2%	100%
3/2/2011	34.5	13.8	0.3	0.2	73.1	107.6	142	172	60.0%	99%
3/9/2011	39.2	0.9	0.9	0.8	92	125.8	140	163	97.7%	98%
3/15/2011	35.8	0.4	0.4	0.2	79.5	118	148	170	98.9%	99%
3/22/2011	7.3	0.2	0.2	0.1	71	97	160	172	97.3%	99%
3/28/2011	20.8	0.1	0	0	83	95	160	170	99.5%	100%
4/5/2011	36.3	5.2	0.2	0.1	84.6	116.6	141	167	85.7%	100%
4/20/2011	43.9	0.2	0.1	0.1	79	114	141	174	99.5%	100%
4/28/2011	40.4	0.4	0.3	0.1	96.2	109.4	142	165	99.0%	100%
5/4/2011	53.2	5.8	0.5	0.4	98.6	123	135.5	158	89.1%	99%
5/11/2011	46.1	26.6	0.3	0.2	83.5	114	143	150	42.3%	100%
5/19/2011	33	1.6	0.7	0	77	115	148	164	95.2%	100%
5/25/2011	46	0.3	0.1	0.1	86	110	142	167	99.3%	100%
6/1/2011	48	3.4	0.1	0.1	78	101	145	165	92.9%	100%
6/6/2011	37	16	0.2	0.1	84	105	136	171	56.8%	100%
6/16/2011	62	0.6	0.2	0.2	69	110	156	168	99.0%	100%
6/22/2011	57.8	16.5	0.3	0	81	140	140	156	71.5%	100%
6/29/2011	57	0.3	0.2	0.2	85.5	126.5	136	152	99.5%	100%
7/6/2011	47.5	0.2	0.1	0.1	85	140	138	152	99.6%	100%
7/14/2011	48	42.3	0.1	0.1	78	127	138	153	11.9%	100%
7/20/2011	44	0.2	0.2	0.1	90.2	130	141	152	99.5%	100%
7/27/2011	50.3	0.3	0	0	82	127	150	164	99.4%	100%
8/3/2011	56.2	50.1	0.2	0.1	84	135	NR	NR	10.9%	100%
8/10/2011	65	2.1	7.8	0.8	87	131	138	158	96.8%	99%
8/17/2011	60	54	0.6	0.1	87	121	175	162	10.0%	100%
8/24/2011	46.3	0.3	0.1	0.1	86	126	136	150	99.4%	100%
9/1/2011	50.8	41	0	0	83	123	NR	NR	19.3%	100%
9/8/2011	80	0.6	0.4	0.3	94	140	132	154	99.3%	100%
9/14/2011	57	0.3	0.1	0.1	84	140	139	164	99.5%	100%
9/21/2011	50.7	12.3	2	0.1	85	96.1	132	154	75.7%	100%
10/6/2011	33	0.4	0.2	0.1	80.3	130	139.5	155.5	98.8%	100%
10/12/2011	37.1	2	0.3	0.2	95.5	135	143.5	162	94.6%	99%
10/18/2011	44	6.1	0.1	0.1	78	115	138	169	86.1%	100%
10/26/2011	30.2	23.1	0.1	0.1	75	125	143	164	23.5%	100%
11/2/2011	44.5	0.4	0	0	74	131	141	152	99.1%	100%
11/9/2011	6.1	3	0.2	0	84.5	119.7	146	161	50.8%	100%
11/16/2011	36.5	24.5	0.1	0.1	67	115	142	159	32.9%	100%
11/22/2011	14.7	0.1	0	0	71	118	148	170	99.3%	100%
11/30/2011	27.1	7.1	0	0	74	118	141	165	73.8%	100%
12/8/2011	32.4	0.2	0.1	0	65	120	NR	NR	99.4%	100%
12/13/2011	21	0	0	0	80	111	150	175	100.0%	100%
12/21/2011	35.6	20.9	0	0	75	112	152	180	41.3%	100%
12/28/2011	21.4	0.7	0.7	0	80	110	141	170	96.7%	100%

NR: Not Recorded

Table 2.0
2011 SVE/IBT System Laboratory Data Summary
Del Amo Waste Pits OU

Date	Sample ID	Benzene (ppm)	Oxygen (%)	Carbon Dioxide (%)	Nitrogen (%)
1/10/2011	Inlet	20000	6.9	22	72
2/8/2011	Inlet	19000	8.3	19	72
3/9/2011	Inlet	5300*	7.8	19	73
4/5/2011	Inlet	18000	9.1	18	73
5/4/2011	Inlet	14000	10	18	71
6/1/2011	Inlet	18000	11	16	72
7/14/2011	Inlet	17000 (19000)	9.2 (9.1)	18 (18)	70 (70)
8/10/2011	Inlet	17000	10	19	71
9/8/2011	Inlet	14000	11	18	71
10/6/2011	Inlet	18000	12	17	71
11/2/2011	Inlet	18000	11	19	69
12/13/2011	Inlet	15000	10	18	68
1/10/2011	Post Ambient Air	1200 (1200)	20 (20)	1.6 (1.6)	78 9(78)
2/8/2011	Post Ambient Air	2200 (1900)	20 (20)	2.2 (2.2)	77 (77)
3/9/2011	Post Ambient Air	2200 (2100)	20 (20)	1.5 (2.5)	78 (78)
4/5/2011	Post Ambient Air	2100 (2500)	20 (21)	2.1 (2.1)	77 (77)
5/4/2011	Post Ambient Air	3400	22	2.6	76
6/1/2011	Post Ambient Air	2500 (2200)	23 (22)	1.7 (2.1)	75 (76)
7/14/2011	Post Ambient Air	2700	20	2.5	76
8/10/2011	Post Ambient Air	2200 (2400)	21 (21)	2 (2.4)	77 (77)
9/8/2011	Post Ambient Air	1000 (1100)	21 (21)	2.4 (2.4)	77 (77)
10/6/2011	Post Ambient Air	1700 (1600)	22 (22)	1.6 (1.6)	77 (77)
11/2/2011	Post Ambient Air	3200 (2600)	20 (20)	2.8 (2.9)	78 (77)
12/13/2011	Post Ambient Air	2300 (110)	21 (20)	2.5 (2.8)	76 (76)
1/10/2011	Carbon 1	2700	21	1.9	77
2/8/2011	Carbon 1	430	20	2.2	77
3/9/2011	Carbon 1	610	20	2.8	77
4/5/2011	Carbon 1	1900	21	2.1	77
5/4/2011	Carbon 1	150	22	2.5	75
6/1/2011	Carbon 1	ND<1.6	22	2	76
7/14/2011	Carbon 1	ND<1.6	20	2.6	76
8/10/2011	Carbon 1	2100	21	1.8	77
9/8/2011	Carbon 1	1500	21	2.5	76
10/6/2011	Carbon 1	ND<1.6	22	1.7	76
11/2/2011	Carbon 1	1600	20	3	77
12/13/2011	Carbon 1	920	20	2.9	76
1/10/2011	Effluent	ND<1.6	21	1.9	77
2/8/2011	Effluent	ND<1.6	20	2.4	77
3/9/2011	Effluent	ND<1.6	20	2.8	77
4/5/2011	Effluent	ND<1.6	22	2.2	76
5/4/2011	Effluent	ND<1.6	22	2.6	76
6/1/2011	Effluent	ND<1.6	22	2.1	76
7/14/2011	Effluent	ND<1.6	20	2.6	76
8/10/2011	Effluent	ND<1.6	21	2.1	77
9/8/2011	Effluent	ND<1.6	21	2.6	76
10/6/2011	Effluent	ND<1.6	22	1.8	76
11/2/2011	Effluent	ND<1.6	20	3	77
12/13/2011	Effluent	ND<1.6	20	2.9	76

ND: Analyte not detected at or above the reporting limit.
( ): Dupicate sample result.
* 5300 ppm on March 9, 2011 is identified as an outlier based on fourth-spread outlier test and is excluded to calculate annual average.

Table 3.0
2011 Cluster Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	A"1	-0.15	18.6	1.8	0.1
2nd	A"1	-0.08	19.6	1.8	0
3rd	A"1	-0.05	18.4	2.2	0
4th	A"1	0	19.4	1.2	0
1st	A"2	-0.2	20.3	0.6	0
2nd	A"2	-0.12	20.9	0	0
3rd	A"2	0	20.3	0.4	0
4th	A"2	0	20.9	0	0
1st	A"3	-0.3	16.7	1.8	0.5
2nd	A"3	-0.2	20.9	0	0
3rd	A"3	-0.1	20.4	0.2	0
4th	A"3	-0.15	20.9	0	0
1st	B"1	1.05	7.7	28.4	>15000
2nd	B"1	1.5	7.6	25.2	>15000
3rd	B"1	1.6	6.6	24.6	>15000
4th	B"1	1.25	8.8	24.4	>15000
1st	B"2	0.1	11.8	18.6	>15000
2nd	B"2	0.64	12.4	18.8	>15000
3rd	B"2	0.55	11.6	18.2	400
4th	B"2	0.5	14.6	18.8	>15000
1st	B"3	0.5	8	23.6	>15000
2nd	B"3	0.9	8.8	22.8	>15000
3rd	B"3	0.9	7.2	21.8	>15000
4th	B"3	0.75	10.4	23	>15000
1st	C"1	-0.9	19.2	0	131
2nd	C"1	-0.8	20.6	0	0.2
3rd	C"1	-0.25	20.1	0	1.4
4th	C"1	-0.7	20.9	0	0
1st	C"2	-0.8	15.1	4.2	46
2nd	C"2	-0.2	13.2	6	93
3rd	C"2	-0.25	17.2	2.4	1.7
4th	C"2	-0.4	19.4	0.8	0
1st	C"3	-0.85	18.1	1.8	>15000
2nd	C"3	-0.2	20.9	0	1.6
3rd	C"3	-0.25	20.3	0	1.5
4th	C"3	-0.25	20.5	0	2
1st	D"1	-1.5	0.6	15.4	>15000
2nd	D"1	-0.45	9.2	5.4	>15000
3rd	D"1	-0.01	1	13.8	>15000
4th	D"1	-0.7	0.9	15	>15000

Table 3.0
2011 Cluster Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	D"2	-0.5	18.9	0.8	8
2nd	D"2	-0.2	20.9	0	0.1
3rd	D"2	-0.25	20.6	0	8
4th	D"2	-0.15	20.9	0	107
1st	D"3	-1	4	8.4	>15000
2nd	D"3	-0.3	6.4	7.6	>15000
3rd	D"3	-0.5	7.3	7.8	314
4th	D"3	-0.6	8.9	8.4	386
1st	E"1	-0.05	20.9	0	0.2
2nd	E"1	-0.02	20.9	0	0
3rd	E"1	0	20.9	0	0.4
4th	E"1	-0.05	20.9	0	0
1st	E"2	-0.3	15.4	1.6	0.4
2nd	E"2	-0.04	19.1	2.4	0
3rd	E"2	0	19.7	1.2	0.4
4th	E"2	0	20.3	0.6	0
1st	E"3	-0.05	20.9	0	0
2nd	E"3	-0.01	20.9	0	0.1
3rd	E"3	-0.01	20.9	0	0.8
4th	E"3	0	20.9	0	0
1st	F"1	-0.3	20.9	0	0.7
2nd	F"1	-0.05	20.9	0	0
3rd	F"1	-0.05	20.4	0	0.2
4th	F"1	-0.06	20.9	0	0
1st	F"2	-0.2	20.9	0	0.9
2nd	F"2	-0.05	20.9	0	0.7
3rd	F"2	-0.05	20	0.4	0.2
4th	F"2	-0.02	20.9	0	0
1st	F"3	-0.08	20.9	0	1.1
2nd	F"3	-0.05	20.9	0	9.5
3rd	F"3	-0.05	20.8	0	0.3
4th	F"3	-0.01	20.9	0	0
1st	G"1	-0.25	14.9	3.6	0
2nd	G"1	-0.02	14.6	3.6	0
3rd	G"1	-0.01	14.9	3.4	0.2
4th	G"1	-0.05	15.8	3.4	0.2
1st	G"2	-0.15	17.1	0.6	0
2nd	G"2	-0.01	18.8	1.8	0
3rd	G"2	-0.01	18.9	1.4	0.1
4th	G"2	0	19.9	0.6	0

Table 3.0
2011 Cluster Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	G"3	-0.2	19.3	1.2	0
2nd	G"3	-0.02	20.9	0	0
3rd	G"3	-0.01	20.5	0	0.2
4th	G"3	0	20.9	0	0
1st	H"1	-0.6	20.9	0	0
2nd	H"1	-0.6	20.9	0	0
3rd	H"1	0	20.9	0	0.1
4th	H"1	-0.03	20.9	0	0
1st	H"2	-0.1	20.9	0	0.1
2nd	H"2	-0.1	20.9	0	0
3rd	H"2	-0.05	20.6	0.2	0.1
4th	H"2	-0.03	20.9	0	0.1
1st	H"3	-0.15	8.8	7.6	0.1
2nd	H"3	0	10.6	6.6	0
3rd	H"3	0	11.4	6.4	0.1
4th	H"3	-0.06	11.7	6.6	0.1
1st	I"1	-0.45	0	15	350
2nd	I"1	-0.15	0	14.2	166
3rd	I"1	-0.1	0	14	105
4th	I"1	-0.13	0.4	14.2	34
1st	I"2	-0.05	20.9	0	0.5
2nd	I"2	-0.05	20.9	0	0
3rd	I"2	0	20.9	0	1.5
4th	I"2	0	20.9	0	1
1st	I"3	-0.4	20.9	0	1.1
2nd	I"3	-0.1	19.2	0.6	0.7
3rd	I"3	-0.05	19.2	0.6	1.2
4th	I"3	-0.08	19	0.6	1
1st	J"1	-0.25	20.9	0	1.1
2nd	J"1	-0.05	20.9	0	0.3
3rd	J"1	0	20.6	0	0.3
4th	J"1	0	19.6	1.2	0.2
1st	J"2	0.05	20.9	0	0.9
2nd	J"2	-0.05	20.9	0	0.3
3rd	J"2	0	20.4	0	0.4
4th	J"2	0	20.5	0.2	0.1
1st	J"3	-0.35	3.9	14	1.3
2nd	J"3	-0.05	3	13.6	0.6
3rd	J"3	0	7.6	9.8	0.8
4th	J"3	-0.06	9.5	9.2	1.2

Table 3.0
2011 Cluster Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Well ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	K"1	-0.3	18.5	1.2	1.7
2nd	K"1	-0.05	18.3	2.2	1.1
3rd	K"1	-0.05	19.9	0.8	6.5
4th	K"1	-0.5	19.4	1.2	1.4
1st	K"2	-0.5	7.4	10.6	0.9
2nd	K"2	-0.1	9.3	9.6	1.1
3rd	K"2	-0.1	12.6	7	13
4th	K"2	-0.1	12.8	7.4	2
1st	K"3	-0.05	20.9	0	5.8
2nd	K"3	0	20.9	0	0.9
3rd	K"3	-0.05	20.8	0	8.4
4th	K"3	0	20.7	0	1
1st	L"1	1.05	4.1	21.8	>15000
2nd	L"1	1.5	3.1	22	>15000
3rd	L"1	1.5	3.3	21	>15000
4th	L"1	1.35	4	24	>15000
1st	L"2	0.25	0.8	29.4	>15000
2nd	L"2	0	0.8	26.4	>15000
3rd	L"2	1	6.6	17.2	>15000
4th	L"2	-0.25	20.2	0	>15000
1st	L"3	0.55	11.2	12	45
2nd	L"3	0.34	19.3	0	0.6
3rd	L"3	0.6	20.1	0	500
4th	L"3	0.3	20.4	0	>15000
1st	M"1	0.15	5.2	16.2	60
2nd	M"1	-0.12	7.8	14.8	27
3rd	M"1	-0.05	6.7	16.8	10.1
4th	M"1	-0.05	7.4	18.6	10.8
1st	M"2	-0.15	3	23.4	16.5
2nd	M"2	-0.14	4.2	22.6	8.8
3rd	M"2	-0.1	3.1	24.8	4.2
4th	M"2	-0.1	3.6	26.8	3.6
1st	M"3	-0.05	20.3	0	25.7
2nd	M"3	0	20.2	0	16.9
3rd	M"3	0	20.9	0	4.1
4th	M"3	0	19.6	0	15

Table 4.0
2011 Vacuum Performance Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	A'	-1.015	6.9	12.8	>15000
2nd	A'	-0.9	6.5	11.6	>15000
3rd	A'	-0.06	7.5	10.6	>15000
4th	A'	-0.8	6.1	12.8	>15000
1st	B'	-0.2	1.8	26.4	>15000
2nd	B'	-0.02	1.9	26.2	>15000
3rd	B'	0	6.8	19.2	400
4th	B'	0	5.8	21	>15000
1st	C'	0.95	4.3	28.2	>15000
2nd	C'	1.5	3	25.2	>15000
3rd	C'	1.5	3.2	23.6	430
4th	C'	1.3	3.7	25.2	>15000
1st	D'	-1.1	0	17.4	>15000
2nd	D'	-0.4	0	15.4	>15000
3rd	D'	-0.5	0.1	13.6	>15000
4th	D'	-0.5	0.3	14.6	>15000
1st	E'	-0.58	3.4	12	1.1
2nd	E'	-0.05	3.9	10.6	0.3
3rd	E'	0	8.1	7.8	0.3
4th	E'	-0.17	8.8	8	0.9
1st	F'	-0.58	8.9	9.8	1
2nd	F'	-0.05	9.4	8.6	0.6
3rd	F'	-0.25	11.2	6.6	0.6
4th	F'	-0.26	10.9	6.8	0.5
1st	G'	-0.3	20.9	0	0.2
2nd	G'	-0.05	3.8	12	0.7
3rd	G'	0	3.6	12.2	0.6
4th	G'	-0.01	4.1	12.8	1
1st	H'	-0.25	14.3	5.6	0.5
2nd	H'	-0.05	14.4	4.8	0.9
3rd	H'	0	13	6.4	0.3
4th	H'	-0.02	14.7	5	1
1st	I'	0.1	0.4	3.6	>15000
2nd	I'	-0.1	0.9	3.6	>15000
3rd	I'	-0.05	1.6	3.2	>15000
4th	I'	0.04	1.8	3.6	>15000
1st	J'	-0.2	20.2	0.2	1.6
2nd	J'	-0.1	18.8	1	4.1
3rd	J'	-0.05	19.1	1	1.8
4th	J'	-0.07	19.1	0.8	2.2

Table 4.0
2011 Vacuum Performance Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	K'	-0.35	5.7	11.2	1.3
2nd	K'	-0.1	9.3	7.4	0.8
3rd	K'	-0.05	12.8	5	0.7
4th	K'	0	20.8	0.2	0.1
1st	L'	-0.55	19.6	0.4	1.1
2nd	L'	-0.15	20.2	0.6	1.5
3rd	L'	-0.1	13.6	6	1.6
4th	L'	-0.15	19.9	0.6	1.9
1st	M'	-0.2	7.5	17.6	>15000
2nd	M'	-0.1	5.3	19.8	>15000
3rd	M'	*	*	*	*
4th	M'	-0.1	7.3	18	>15000
1st	N'	0.65	5.5	27.6	>15000
2nd	N'	0.9	6.1	23.6	>15000
3rd	N'	0.25	8.2	18	>15000
4th	N'	0.5	8.5	20.8	>15000

* Not Recorded

Table 5.0
2011 SVE/IBT System Radius of Influence (ROI) Calculations
Del Amo Waste Pits OU

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'	1.00	-1.29	-17.50	1.04	-0.11	1.00	0.17	50.44	52.17

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

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

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

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

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

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, 2011 - December 31, 2011)

Table 6.0
2011 SVE Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	SVE 1 *	-12	10.6	6.6	>15000
2nd	SVE 1 *	-16	12.2	5.6	>15000
3rd	SVE 1 *	-10	11.9	6.2	>15000
4th	SVE 1 *	-16	12.2	6.4	>15000
1st	SVE 2 *	-6.5	2.9	27.8	>15000
2nd	SVE 2 *	-5	4.6	24	>15000
3rd	SVE 2 *	-4	3.5	25.6	>15000
4th	SVE 2 *	-4	5.2	26	>15000
1st	SVE 3 +	7.5	4.5	26.8	>15000
2nd	SVE 3 +	8.5	8	23	>15000
3rd	SVE 3 +	8	10.8	19.4	>15000
4th	SVE 3 +	5	21.1	15.6	>15000
1st	SVE 4 +	9.5	18.5	18.4	>15000
2nd	SVE 4 +	9	32.3	16	>15000
3rd	SVE 4 +	6	40	0.4	180
4th	SVE 4 +	6	40	11.4	>15000
1st	SVE 5 *	-4.5	6.5	26.4	>15000
2nd	SVE 5 *	-3	12.4	21.4	>15000
3rd	SVE 5 *	-4	17.1	21.2	>15000
4th	SVE 5 *	-3	20.5	21.2	>15000
1st	SVE 6 *	-13.5	6.3	7.4	>15000
2nd	SVE 6 *	-16	9.8	6.6	>15000
3rd	SVE 6 *	14	11.6	5.6	>15000
4th	SVE 6 *	-12	11.5	6.2	>15000
1st	SVE 7 *	-10	5.6	19.2	>15000
2nd	SVE 7 *	-7	5.4	16.4	>15000
3rd	SVE 7 *	12	7.5	15	>15000
4th	SVE 7 *	-8	7.8	17.4	>15000
1st	SVE 8 +	10	5.5	21.8	>15000
2nd	SVE 8 +	10	9.4	16.6	>15000
3rd	SVE 8 +	10	11.3	18.6	>15000
4th	SVE 8 +	10	7.2	24.8	>15000
1st	SVE 9 +	5.5	7	25.6	>15000
2nd	SVE 9 +	8.5	7.2	23	>15000
3rd	SVE 9 +	6	10.1	19.8	>15000
4th	SVE 9 +	4	10.1	23.6	>15000
1st	SVE 10 *	-6	6.5	22.8	>15000
2nd	SVE 10 *	-16	7.5	20	>15000
3rd	SVE 10 *	-12	5.9	22	>15000
4th	SVE 10 *	-8	7	22.8	>15000

NR: Not Recorded
+ Injection Location
* Extraction Location

Table 6.0
2011 SVE Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	SVE 11 *	-4.5	0.9	34.4	>15000
2nd	SVE 11 *	-15	1.3	30.8	>15000
3rd	SVE 11 *	-14	0.3	30.4	>15000
4th	SVE 11 *	-5	0.3	34.2	>15000
1st	SVE 12 *	-19	5.6	20.4	>15000
2nd	SVE 12 *	-18	12.1	11.2	>15000
3rd	SVE 12 *	-12	9.7	16	>15000
4th	SVE 12 *	-16	5.7	23.2	>15000
1st	SVE 13	-0.75	5.3	1.8	>15000
2nd	SVE 13	-0.2	4.6	2	>15000
3rd	SVE 13	NR	5	1.8	>15000
4th	SVE 13	-0.25	2.8	2.2	>15000
1st	SVE 14	-0.56	5.5	10.6	>15000
2nd	SVE 14	0.25	7.3	9	365
3rd	SVE 14	NR	11	6.6	200
4th	SVE 14	-0.22	8.4	9	274
1st	SVE 15A	-0.76	0.7	13.2	>15000
2nd	SVE 15A	-0.1	4.5	11	>15000
3rd	SVE 15A	NR	1.1	13.2	>15000
4th	SVE 15A	-0.27	2.4	13.2	>15000
1st	SVE 15B	-0.4	9	8.4	36.7
2nd	SVE 15B	-0.1	3.4	12.8	54
3rd	SVE 15B	NR	3.2	12.4	75
4th	SVE 15B	-0.1	2.5	14	53.4
1st	SVE 16	-0.3	0	10.8	>15000
2nd	SVE 16	-0.1	3.1	9	>15000
3rd	SVE 16	NR	0.1	10.4	>15000
4th	SVE 16	-0.04	0.2	12.8	>15000
1st	SVE 17	-0.35	1.5	14	8.8
2nd	SVE 17	-0.1	2.4	13.4	5
3rd	SVE 17	NR	2	13.2	5.5
4th	SVE 17	-0.06	2.6	13.6	3.4
1st	SVE 18	-0.25	11.1	8.4	0.2
2nd	SVE 18	-0.1	11.9	7.6	0
3rd	SVE 18	NR	10.4	8.2	0.5
4th	SVE 18	-0.03	10.5	8.6	0.3
1st	SVE 19	-0.25	0	14.2	231
2nd	SVE 19	-0.1	1.2	13.8	182
3rd	SVE 19	NR	6.4	9.4	122
4th	SVE 19	-0.05	3.2	12.8	168

NR: Not Recorded
+ Injection Location
* Extraction Location

Table 6.0
2011 SVE Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1st	SVE 20A *	-21	5.7	9	>15000
2nd	SVE 20A *	-18	8.6	7.6	635
3rd	SVE 20A *	-14	9.8	6.8	442
4th	SVE 20A *	-17	6.4	9.6	>15000
1st	SVE 20B	-0.55	0.1	14.6	>15000
2nd	SVE 20B	-0.1	2.8	13	>15000
3rd	SVE 20B	NR	4.3	11.4	>15000
4th	SVE 20B	-0.15	2.3	13.6	>15000
1st	SVE 21	-0.55	5.4	11	267
2nd	SVE 21	-0.1	8.4	9.4	180
3rd	SVE 21	NR	11	7.4	84
4th	SVE 21	-0.1	7.3	10.6	63.6

NR: Not Recorded
+ Injection Location
* Extraction Location

Table 7.0
2011 Perimeter Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Date	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
1/24/2011	A	0.1	20.9	0	0
2/16/2011	A	0	18.9	1.12	0.1
3/22/2011	A	-0.05	19.1	1.2	0
4/13/2011	A	0	19.9	1	0.1
5/11/2011	A	-0.1	20.9	0	0
6/13/2011	A	-0.06	19.6	1	0
7/20/2011	A	0.01	20.8	0.8	0
8/17/2011	A	0	19.8	1	0
8/30/2011	A	0	19.4	1	0
10/26/2011	A	-0.02	20.7	0.8	0.3
11/9/2011	A	0	20.9	0	0
12/6/2011	A	-0.05	19.9	0.6	0
1/24/2011	B	0.1	9.3	15.4	9.5
2/16/2011	B	0.075	9.5	5	0.1
3/22/2011	B	-0.2	10	12.8	5.3
4/13/2011	B	-0.05	8.8	13	13.4
5/11/2011	B	-0.05	4.4	12	6.7
6/13/2011	B	-0.02	12.4	11.8	6.5
7/20/2011	B	0.05	13.8	9.6	3
8/17/2011	B	0	13.4	10.6	10.3
8/30/2011	B	0	13.1	10.6	13.1
10/26/2011	B	-0.01	14.1	10.4	6.1
11/9/2011	B	0	14.6	10	0.3
12/6/2011	B	-0.05	14.7	9.4	0.4
1/24/2011	C	0.05	20.9	0	0.1
2/16/2011	C	0	6.6	5	0.1
3/22/2011	C	-0.1	4.9	16	0.1
4/13/2011	C	0	4.4	16	0.1
5/11/2011	C	0	4.4	0.4	0.1
6/13/2011	C	-0.01	3.9	17	0.2
7/20/2011	C	0.05	6.8	14.8	0.3
8/17/2011	C	0	7.6	16.6	0
8/30/2011	C	0	7.7	16.2	2
10/26/2011	C	-0.01	9	17	0.5
11/9/2011	C	0	9.8	16.6	0.2
12/6/2011	C	0	10.6	15.2	0.3
1/24/2011	D	0.05	20.9	0	0
2/16/2011	D	0.05	20.5	0.6	0
3/22/2011	D	-0.05	20.9	0	0
4/13/2011	D	-0.05	20.6	1.2	0.1

Table 7.0
2011 Perimeter Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Date	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
5/11/2011	D	0	20.8	0.4	0.1
6/13/2011	D	0	20	0.8	0
7/20/2011	D	0	20.8	0.8	0.2
8/17/2011	D	0	19.9	1	0
8/30/2011	D	0	20.8	0	1.3
10/26/2011	D	-0.01	18.9	2.4	0.1
11/9/2011	D	-0.05	18.9	2	0.1
12/6/2011	D	-0.05	19.4	1.4	0.1
3/22/2011	E	-0.25	12.4	3.6	0
6/13/2011	E	-0.03	14.5	4.2	0
8/30/2011	E	0	15.7	4.6	0.5
12/6/2011	E	0	16.9	4	0
3/22/2011	F	-0.25	13.3	3.6	0
6/13/2011	F	-0.12	15.1	4	0.1
8/30/2011	F	-0.01	16.2	4	1.1
12/6/2011	F	-0.05	17.1	3.6	0.1
3/22/2011	G	-0.1	16.3	1.8	0
6/13/2011	G	-0.1	17.8	2.2	0
8/30/2011	G	-0.05	18.7	2.4	0.2
12/6/2011	G	-0.1	19.1	2.2	0.1
1/24/2011	H	0.15	16.1	3.8	0
2/16/2011	H	0.175	15.3	4.36	0.1
3/22/2011	H	-0.1	15.4	3	0.2
4/13/2011	H	-0.05	14.3	2.8	0.1
5/11/2011	H	0	15.8	3	0
6/13/2011	H	0	16.8	3	0.1
7/20/2011	H	0	17.3	3	0
8/17/2011	H	0	16.9	3.4	0
8/30/2011	H	0	17.2	3.2	0.1
10/26/2011	H	0	17.7	3.6	0.1
11/9/2011	H	0	17.4	3.4	0.1
12/6/2011	H	-0.05	17.8	3.2	0.1
3/22/2011	I	-0.02	19.2	0.6	0.1
6/13/2011	I	-0.05	18.9	1.8	0
8/30/2011	I	0	18.9	1.8	0
12/6/2011	I	0	19.6	1.4	0.1
3/22/2011	J	-0.06	15.8	1.8	0.2
6/13/2011	J	0	16.8	2.4	0.3
8/30/2011	J	-0.01	17.8	2.8	0

Table 7.0
2011 Perimeter Well Field Monitoring Data Summary
Del Amo Waste Pits OU

Date	Location ID	Pressure (in. water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)
12/6/2011	J	-0.05	19.2	1.8	0
3/22/2011	K	0	17	1.4	0
6/13/2011	K	-0.05	18	2.4	0
8/30/2011	K	0	10.3	2.6	0
12/6/2011	K	0	19	2	0
3/22/2011	L	0	14.8	4.2	0.1
6/13/2011	L	0	13.4	6.6	0.2
8/30/2011	L	0	13	7.2	0.1
12/6/2011	L	0	15.6	4.8	0.1

Table 8.0
2011 SVE/IBT System Operation Efficiency
Del Amo Waste Pits OU

Jan-Dec 2011	Time (in hours)
Potential Operation Hours *	2080
Actual Hours	1721
Down Time	359
Carbon Change-Out	112.5
Monitoring	68.5
System Maintenance	178
Operation Efficiency	83%

* Assuming 8 hours/day, Monday - Friday

Table 9.0
2011 SVE/IBT System Operation Summary
Del Amo Waste Pits OU

Parameter	Original Design	Performance Based on Inline Monitoring Devices
Vapor Injection Rate (CFM)	50	39
System Operation Time (hours per day)*	8	8
O2 Injection Rate (CFM)	5	3.7
O2 Percentage (%)	100%	91%
O2 Utilization 1st Order Rate Constant (1/hr) **	0.0021	0.0021
Extracted Vapor Concentration (ppmv)***	15,000	17,250
Extraction Rate (CFM) ****	60	44.4
Treatment Rate (CFM)	15	9.1
Time for Pore Volume (days)	7.09	9.09
Injected O2 Concentration 1st Order	27%	22%
Benzene Degradation (kg/day)	**20**	**15.3**
Benzene Degradation (kg/year)	7,355	5,592
Benzene Removal (kg/day)	**10**	**6.9**
Benzene Removal (kg/year)	3,626	1,491
Total Benzene Removed/Degraded (kg/day)	**30**	**22**
Total Benzene Removed/Degraded (kg/year)	10,981	7,083
Carbon to Benzene Ratio *****	4:1	6:1
Projected Carbon Required (kg/day)	40	42
Actual Carbon Required (kg/year)	-	**8,366**

* Normal operation is 8 hours/day, Monday-Friday, 8:00 am - 4:00 pm.
** 0.0021 of design value was used for oxygen utilization constant.
*** Vapor concentration is an average of the monthly laboratory results without outliers.
**** Extraction rate is derived from the sum of the treatment rate and the recycle rate.
***** Benzene to carbon ratio for the 2011 monitoring period is based on actual weight adsorbed to carbon (See Table

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] = 17250

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

Table 10.0
2011 SVE/IBT System Carbon Change-Out Summary
Del Amo Waste Pits OU

Date of Change-outs	Operation Period Between Change-outs	Operational Hours Between Change-outs	Fresh Carbon (kg)			Spent Carbon (kg)			Weight Adsorbed (kg)		
			Primary	Secondary	Total	Primary	Secondary	Total	Primary	Secondary	Total
1/24/2011	11/19/2010 ~ 1/18/2011	229	907	907	1814	1159	1176	2335	252	269	521
3/8/2011	1/24/2011 ~ 3/2/2011	206	962	959	1921	1173	1112	2285	211	153	364
4/18/2011	3/8/2011 ~ 4/15/2011	200	934	930	1864	1146	1044	2190	211	114	325
5/27/2011	4/18/2011 ~ 5/26/2011	227	905	908	1813	1146	1101	2247	241	194	435
7/6/2011	5/27/2011 ~ 7/5/2011	203	937	935	1872	1148	1065	2213	211	130	341
8/16/2011	7/6/2011 ~ 8/15/2011	207	943	948	1892	1216	1140	2356	272	192	464
10/3/2011	8/16/2011 ~ 9/30/2011	244	946	930	1876	1183	1177	2360	237	247	484
11/22/2011	10/3/2011 ~ 11/17/2011	265	916	952	1868	1209	1170	2379	293	218	511
-	11/22/2011 ~ 1/20/2012	190	915	945	1860	1148	1141	2289	233	196	429
Average		***219***	***930***	***935***	***1864***	***1170***	***1125***	***2295***	***240***	***190***	***430***
Total		***1970***	***8366***	***8413***	***16779***	***10526***	***10126***	***20652***	***2160***	***1713***	***3873***

Table 11.0
2011 Cover System Inspection Summary
Del Amo Waste Pits OU

Cover System						
Inspection Date	**January 3, 2011**	**March 10, 2011**	**March 21, 2011**	**June 8, 2011**	**September 7, 2011**	**December 8, 2011**
Inspection Type	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items						
Erosion	4	4	4	4	4	4
Stressed Vegetation (Plant Die-Back) [(1)]	4	4	4	3	3	4
Sediment Build-Up	4	4	4	4	4	4
Local Subsidence or Loss of Grade	4	4	4	4	4	4
Water Ponding [(1)]	3	3	3	4	4	4
Turf Height	4	4	4	4	4	4
Burrowing Animals [(1)]	3	3	3	4	4	4
Weeds or Undesirable Vegetation	4	4	4	4	4	4
Evidence of Fires or Vandalism	4	4	4	4	4	4
Soil Quality Check	4	4	4	4	4	4
Unauthorized Traffic [(1)]	4	3	3	3	3	3
Slope Instability or Sloughing	4	4	4	4	4	4
Survey Monuments	4	4	4	4	4	4
Vertical Cracking	4	4	4	4	4	4
Intrusions	4	4	4	4	4	4
Evidence of Waste Pit Materials	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 12.0
2011 Cap Gas Collection Treatment System Inspection Summary
Del Amo Waste Pits OU

Cap Gas Collection Treatment System						
Inspection Date	**January 3, 2011**	**March 10, 2011**	**March 21, 2011**	**June 8, 2011**	**September 7, 2011**	**December 8, 2011**
Inspection Type	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items						
Collection System Valves						
Adequate Free Movement	4	4	4	4	4	4
Seals-Complete	4	4	4	4	4	4
Signs of Rust/Corrosion [(1)]	3	3	3	3	3	3
Condensate Collection						
Air Moisture Separator [(1)]	3	3	2	4	4	4
Carbon Adsorbers-Vessels						
Exterior Damage	4	4	4	4	4	4
FRP Grating and Mesh	4	4	4	4	4	4
Blower [(2)]						
General Motor Maintenance	4	4	4	4	4	4
Drive Maintenance	4	4	4	4	4	4
Bearing Maintenance	4	4	4	4	4	4
Lubrication	4	4	4	4	4	4
Structural Maintenance	4	4	4	4	4	4

[(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 13.0
2011 Surface Water Drainage Inspection Summary
Del Amo Waste Pits OU

Surface Water Drainage						
Inspection Date	**January 3, 2011**	**March 10, 2011**	**March 21, 2011**	**June 8, 2011**	**September 7, 2011**	**December 8, 2011**
Inspection Type	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items						
Washouts or Erosion of Contoured Grade	4	4	4	4	4	4
Ponding on Contoured Grade [(1)]	3	3	3	4	4	4
Gullies and Ruts on Contoured Grade [(1)]	3	3	3	3	3	3
Plugging of Drainage Culverts	4	4	4	4	4	4
Holes and Cracks in Swales or Catch Basin	4	4	4	4	4	4
Sediment Build-Up in Swales or Catch Basins	4	4	4	4	4	4
Surface Cracking of Swales/Catch Basins	4	4	4	4	4	4
Spalling of Swales/Catch Basins	4	4	4	4	4	4
Structural Failure of Swales/Catch Basins	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 14.0
2011 Subsurface Drainage Inspection Summary
Del Amo Waste Pits OU

Subsurface Drainage						
Inspection Date	**January 3, 2011**	**March 10, 2011**	**March 21, 2011**	**June 8, 2011**	**September 7, 2011**	**December 8, 2011**
Inspection Type	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items						
Holes and Cracks in Swales, Catch Basin	4	4	4	4	4	4
Plugging of Drainage Inlets	4	4	4	4	4	4
Sediment Build-Up or Debris in Catch Basin	4	4	4	4	4	4
Structural Failure of Catch Basin	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 15.0
2011 Security Fence Inspection Summary
Del Amo Waste Pits OU

Security Fence						
Inspection Date	**January 3, 2011**	**March 10, 2011**	**March 21, 2011**	**June 8, 2011**	**September 7, 2011**	**December 8, 2011**
Inspection Type	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items						
Perimeter Fence						
Breaks and Holes [(1)]	4	4	4	2	4	4
Settlement Damage	4	4	4	4	4	4
Loose Posts/Tension	4	4	4	4	4	4
Rust/Corrosion [(1)]	3	3	3	3	3	3
Ruts and Burrows Beneath Fence	4	4	4	4	4	4
Vegetation Overgrowth	4	4	4	4	4	4
General Signs of Deterioration	4	4	4	4	4	4
Vandalism/Animal/ Wind Damage	4	4	4	4	4	4
Gates						
Adequate Movement of Hinges and Gates	4	4	4	4	4	4
Proper Function of Lock(s)	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
2011 Access Road Inspection Summary
Del Amo Waste Pits OU

Access Road						
Inspection Date	**January 3, 2011**	**March 10, 2011**	**March 21, 2011**	**June 8, 2011**	**September 7, 2011**	**December 8, 2011**
Inspection Type	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items						
Holes and Cracks	4	4	4	4	4	4
Vegetation Overgrowth	4	4	4	4	4	4
Settlement	4	4	4	4	4	4
Excessive Dispersion of Gravel	4	4	4	4	4	4
General Signs of Deterioration	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 17.0
2011 SVE/IBT System Inspection Summary
Del Amo Waste Pits OU

SVE/IBT System Inspection						
Inspection Date	**January 3, 2011**	**March 10, 2011**	**March 21, 2011**	**June 8, 2011**	**September 7, 2011**	**December 8, 2011**
Inspection Type	Post Rain Inspection	1st Quarterly Inspection	Post Rain Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	4th Quarterly Inspection
Inspection Items						
Manifold						
Adequate - Free Movement	4	4	4	4	4	4
Seals - Complete	4	4	4	4	4	4
Visible Damage	4	4	4	4	4	4
Condensate Collection						
AirMoisture Separator	4	4	4	4	4	4
Additional System Components						
Carbon Adsorber Vessels						
Exterior Damage	4	4	4	4	4	4
Blowers [(2)]						
General Motor Maintenance	4	4	4	4	4	4
Drive Maintenance	4	4	4	4	4	4
Bearing Maintenance	4	4	4	4	4	4
Oxygen Generator						
Signs of Rust/Corrosion	4	4	4	4	4	4
Mechanical Functioning	4	4	4	4	4	4
Oxygen Purity	4	4	4	4	4	4
System Sensors						
Visible Damage	4	4	4	4	4	4
Mechanical Functioning [(3)]	4	4	4	2	4	2
SVE Wellheads						
Tee Flanges	4	4	4	4	4	4
Valves	4	4	4	4	4	4
Sniff for signs of leaks	4	4	4	4	4	4

[(2)] Blower and motor are permanently lubricated and sealed units.

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

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)
1 = Poor (Needs Immediate Repair)

Table 18.0
2011 Groundwater Field Monitoring Data Summary
Del Amo Waste Pits OU

Quarter	Well ID	Temp (°C)	pH	Cond (µMhos)	Turbidity	D.O. (mg/L)
1st	PZL0018*	20.66 (20.51)	6.69 (6.71)	3055 (2167)	5.8 (4.6)	6.15 (4.70)
2nd	PZL0018	22.5	7.2	1550	4.86	1.1
3rd	PZL0018	25.42	6.72	2174	9.5	5.08
4th	PZL0018	22.05	6.67	2640	14.3	0.92
1st	PZL0019	28.45	6.46	4266	12.8	4.06
2nd	PZL0019	29.8	6.9	3700	6.34	1.8
3rd	PZL0019	32.96	6.36	4276	8.1	2.57
4th	PZL0019	32.44	6.36	4050	9.8	0.91
1st	PZL0020	20.26	6.51	5017	48.1	3.87
2nd	PZL0020	23.6	6.9	4000	13.2	1.8
3rd	PZL0020	25.12	6.33	4463	23.72	3.91
4th	PZL0020	23.91	6.32	5140	11.4	1.36
1st	PZL0022	22.04	6.65	2178	2.6	2.61
2nd	PZL0022	21.5	6.2	1327	3.87	2.2
3rd	PZL0022	24.74	6.5	2249	1.1	6.72
4th	PZL0022	21.65	6.43	2335	3.1	2.71
2nd	PZL0024	21.6	6.4	1260	25	2.2
3rd	PZL0024	25.18	6.6	2108	64.4	1.49
4th	PZL0024	22.2	6.57	2109	8.2	0.78
2nd	PZL0025	199	7.2	1230	82.6	1.3
3rd	PZL0025	22.96	6.47	2612	37.5	2.2
4th	PZL0025	22.23	6.3	2810	37.1	5.61
1st	SWL0008	21.16	6.81	2308	17.4	1.89
2nd	SWL0008	19.2	7	2200	6.2	1.3
3rd	SWL0008	23.55	6.66	2480	9.6	1.15
4th	SWL0008	22.59	6.57	2341	1.3	1.71
1st	SWL0044	20.45	6.78	2250	4.6	4.69
2nd	SWL0044	21.7	6.5	1347	4.45	1.5
3rd	SWL0044	24.98	6.62	2507	5	4.23
4th	SWL0044	23.35	6.62	2623	0.9	0.29
1st	SWL0051	21.47	6.90	2514	142.6	1.81
2nd	SWL0051	19.1	6.8	2500	132	1.3
3rd	SWL0051	23.19	6.73	2530	7.6	2.95
4th	SWL0051	21.21	6.74	2293	3	1.44
1st	XMW29	19.43	6.77	952.2	16.2	4.05
2nd	XMW29	22.6	6.4	1158	20.4	1.9
3rd	XMW29	22.96	6.55	2119	7.3	2.89
4th	XMW29	22.6	6.54	2073	4.1	1.01
1st	XP02	21.14	6.90	1081	80.2	5.43
2nd	XP02	21.6	6.7	942	47.1	2.6
3rd	XP02	27.06	6.66	1155	11.8	2.85
4th	XP02	22.09	6.76	1177	7.8	0.9

*Results for the follow-up sampling at PZL-0018 on 3/18/2011 are presented in parentheses.

Table 19.0
2011 Groundwater Elevation Data Summary
Del Amo Waste Pits OU

Quarter	Well ID	Depth to Water (DTW-ft)	Top of casing (ft msl)	GW Elevation (ft msl)
1st	PZL0018	43.24	34.4	-8.84
2nd	PZL0018	42.79	34.4	-8.39
3rd	PZL0018	43.12	34.4	-8.72
4th	PZL0018	43.2	34.4	-8.8
1st	PZL0019	49.72	41.06	-8.66
2nd	PZL0019	49.59	41.06	-8.53
3rd	PZL0019	48.82	41.06	-7.76
4th	PZL0019	49.77	41.06	-8.71
1st	PZL0020	45.61	37.08	-8.53
2nd	PZL0020	45.51	37.08	-8.43
3rd	PZL0020	45.58	37.08	-8.5
4th	PZL0020	45.46	37.08	-8.38
1st	PZL0022	43.14	34.51	-8.63
2nd	PZL0022	42.96	34.51	-8.45
3rd	PZL0022	43.06	34.51	-8.55
4th	PZL0022	43.14	34.51	-8.63
2nd	PZL0024	44.92	36.63	-8.29
3rd	PZL0024	45.04	36.63	-8.41
4th	PZL0024	45.11	36.63	-8.48
2nd	PZL0025	47.48	38.7	-8.78
3rd	PZL0025	47.56	38.7	-8.86
4th	PZL0025	47.68	38.7	-8.98
1st	SWL0008	41.13	32.5	-8.63
2nd	SWL0008	40.92	32.5	-8.42
3rd	SWL0008	41.06	32.5	-8.56
4th	SWL0008	41.07	32.5	-8.57
1st	SWL0044	46.57	37.9	-8.67
2nd	SWL0044	46.3	37.9	-8.4
3rd	SWL0044	46.39	37.9	-8.49
4th	SWL0044	46.47	37.9	-8.57
1st	SWL0051	36.86	28.34	-8.52
2nd	SWL0051	36.53	28.34	-8.19
3rd	SWL0051	36.7	28.34	-8.36
4th	SWL0051	36.7	28.34	-8.36
1st	XMW29	48.72	39.03	-9.69
2nd	XMW29	48.54	39.03	-9.51
3rd	XMW29	48.53	39.03	-9.5
4th	XMW29	48.56	39.03	-9.53
1st	XP02	44.81	35.34	-9.47
2nd	XP02	44.61	35.34	-9.27
3rd	XP02	44.77	35.34	-9.43
4th	XP02	44.92	35.34	-9.58

Table 20.0
2011 Groundwater VOCs (EPA Method 8260B)
Laboratory Data Summary
Del Amo Waste Pits OU

Date	SAMPLE_ID_MOD	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	Benzene	c-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Styrene	t-1,2-Dichloroethene	Tert-Butyl Alcohol (TBA)	Tetrachloroethene	Toluene	Trichloroethene	Xylenes (total)
	California_MCL	6	NA	0.5	NA	1	6	300	NA	NA	NA	NA	NA	100	10	NA	5	150	5	1750
	National_MCL	7	NA	5	NA	5	70	700	NA	NA	NA	NA	NA	100	100	NA	5	1000	5	10000
	Notification_Level	NA	330	NA	330	NA	NA	NA	770	17	260	260	260	NA	NA	12	NA	NA	NA	NA
2/18/2011	PZL0018	ND<1	4.4	ND<0.50	1.2	20000	ND<1	140	8.3	140	1.1	3.3	4.7	3.5	ND<1	11	2.8	17	ND<1	46
3/18/2011	PZL0018	ND<50	ND<50	ND<25	ND<50	4200	ND<50	ND<50	ND<50	ND<500	ND<50	ND<50	ND<50	ND<50	ND<50	ND<500	ND<50	ND<50	ND<50	ND<50
6/8/2011	PZL0018	ND<20	ND<20	ND<10	ND<20	2500	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20
9/7/2011	PZL0018	ND<20	ND<20	ND<10	ND<20	3200	ND<20	23	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	ND<20	ND<20	ND<20
12/8/2011	PZL0018	ND<50	ND<50	ND<25	ND<50	6300	ND<50	ND<50	ND<50	ND<500	ND<50	ND<50	ND<50	ND<50	ND<50	ND<500	ND<50	ND<50	ND<50	ND<50
2/18/2011	PZL0019	ND<500	ND<500	ND<250	ND<500	350000	ND<500	14000	ND<500	ND<5000	ND<500	ND<500	ND<500	570	ND<500	ND<5000	ND<500	550	ND<500	ND<500
6/8/2011	PZL0019	ND<2500	ND<2500	ND<1200	ND<2500	360000	ND<2500	8800	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500
9/7/2011	PZL0019	ND<2500	ND<2500	ND<1200	ND<2500	400000	ND<2500	5900	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500
12/8/2011	PZL0019	ND<2000	ND<2000	ND<1000	ND<2000	250000	ND<2000	4800	ND<2000	ND<20000	ND<2000	ND<2000	ND<2000	ND<2000	ND<2000	ND<20000	ND<2000	ND<2000	ND<2000	ND<2000
2/18/2011	PZL0020	ND<5000	ND<5000	ND<2500	ND<5000	530000	ND<5000	14000	ND<5000	ND<50000	ND<5000	ND<5000	ND<5000	ND<5000	ND<5000	ND<50000	ND<5000	ND<5000	ND<5000	ND<5000
6/8/2011	PZL0020	ND<2500	ND<2500	ND<1200	ND<2500	410000	ND<2500	15000	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500
9/7/2011	PZL0020	ND<2500	ND<2500	ND<1200	ND<2500	370000	ND<2500	13000	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<25000	ND<2500	ND<2500	ND<2500	ND<2500
12/8/2011	PZL0020	ND<2000	ND<2000	ND<1000	ND<2000	190000	ND<2000	5800	ND<2000	ND<20000	ND<2000	ND<2000	ND<2000	ND<2000	ND<2000	ND<20000	ND<2000	ND<2000	ND<2000	ND<2000
2/18/2011	PZL0022	ND<1	ND<1	ND<0.50	ND<1	ND<0.50	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
6/8/2011	PZL0022	ND<1	ND<1	ND<0.50	ND<1	ND<0.50	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
9/7/2011	PZL0022	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
12/8/2011	PZL0022	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
6/8/2011	PZL0024	ND<1	ND<1	ND<0.50	ND<1	ND<0.50	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
9/7/2011	PZL0024	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
12/8/2011	PZL0024	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
6/8/2011	PZL0025	ND<1	ND<1	ND<0.50	ND<1	0.63	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
9/7/2011	PZL0025	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
12/8/2011	PZL0025	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1
2/18/2011	SWL0008	ND<5.0	280	ND<2.5	5.8	810	ND<5.0	300	110	150	33	330	22	ND<5.0	ND<5.0	100	ND<5.0	8.3	ND<5.0	140
6/8/2011	SWL0008	ND<2.0	ND<2.0	ND<1	ND<2.0	340	ND<2.0	25	54	64	27	120	25	ND<2.0	ND<2.0	61	ND<2.0	8.3	4.3	5.2
9/7/2011	SWL0008	ND<1	ND<1	ND<0.5	ND<1	140	1.6	12	36	30	18	67	23	ND<1	ND<1	69	ND<1	5.8	5.5	3.1
12/8/2011	SWL0008	ND<1	ND<1	4	ND<1	52	1.1	10	35	15	13	82	18	ND<1	ND<1	68	ND<1	2.9	5.3	1.6
2/18/2011	SWL0044	ND<1	3.8	ND<0.50	ND<1	28	ND<1	15	6.2	510	1.4	4.2	8.2	6.1	ND<1	ND<10	2.2	16	ND<1	16
6/8/2011	SWL0044	ND<2.0	ND<2.0	ND<1	ND<2.0	4.5	ND<2.0	6.8	5	230	ND<2.0	3	8.2	ND<2.0	ND<2.0	ND<20	2.3	6.9	ND<2.0	7.9
9/7/2011	SWL0044	ND<1	2	ND<0.5	ND<1	50	ND<1	6.8	7	94	ND<1	2	5	1.9	ND<1	ND<10	1.5	7.3	ND<1	14
12/8/2011	SWL0044	ND<1	ND<1	ND<0.5	ND<1	1.1	ND<1	4.6	4.6	17	ND<1	1.6	4	ND<1	ND<1	ND<10	1.3	3.5	ND<1	6.6
2/18/2011	SWL0051	ND<1	ND<1	ND<0.50	ND<1	ND<0.50	7.5	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	1.6	ND<10	ND<1	ND<1	15	ND<1
6/8/2011	SWL0051	ND<1	ND<1	ND<0.50	ND<1	ND<0.50	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	16	ND<1
9/7/2011	SWL0051	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	11	ND<1
12/8/2011	SWL0051	ND<1	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	9.1	ND<1
2/18/2011	XMW29	ND<250	ND<250	ND<120	ND<250	47000	ND<250	ND<250	ND<250	ND<2500	ND<250	ND<250	ND<250	ND<250	ND<250	ND<2500	ND<250	ND<250	ND<250	ND<250
6/8/2011	XMW29	ND<500	ND<500	4900	ND<500	170000	ND<500	ND<500	ND<500	ND<5000	ND<500	ND<500	ND<500	ND<500	ND<500	ND<5000	ND<500	ND<500	ND<500	ND<500
9/7/2011	XMW29	ND<1000	ND<1000	ND<500	ND<1000	100000	ND<1000	ND<1000	ND<1000	ND<10000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	ND<10000	ND<1000	ND<1000	ND<1000	ND<1000
12/8/2011	XMW29	ND<500	ND<500	ND<250	ND<500	73000	ND<500	ND<500	ND<500	ND<5000	ND<500	ND<500	ND<500	ND<500	ND<500	ND<5000	ND<500	ND<500	ND<500	ND<500
2/18/2011	XP02	3.1	ND<1	ND<0.50	ND<1	ND<0.50	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	4.6	ND<1	1.7	ND<1
6/8/2011	XP02	2.4	ND<1	ND<0.50	ND<1	9.5	ND<1	1.2	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	3.4	20	2	8.6
9/7/2011	XP02	2.6	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	2.8	ND<1	1.5	ND<1
12/8/2011	XP02	1.7	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	7.2	ND<1	1.9	ND<1

unit: ug/L
ND: not detected at the indicated reporting limit

Table 21.0
2011 Groundwater SVOCs (EPA Method 8270C)
Laboratory Data Summary
Del Amo Waste Pits OU

Date	Well ID	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Bis(2-Ethylhexyl) Phthalate	Fluorene	Naphthalene	Phenanthrene	Phenol
	California_MCL	NA	NA	NA	NA	NA	NA	NA	NA	NA
	National_MCL	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Notification_Level	NA	NA	NA	NA	NA	NA	17	NA	NA
2/18/2011	PZL0018	22	ND<10	ND<10	ND<10	ND<10	ND<10	100	ND<10	ND<10
3/18/2011	PZL0018	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
6/8/2011	PZL0018	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
9/7/2011	PZL0018	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
12/8/2011	PZL0018	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
2/18/2011	PZL0019	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	77	ND<10	30
6/8/2011	PZL0019	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	82	ND<10	19
9/7/2011	PZL0019	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	61	ND<10	39
12/8/2011	PZL0019	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	67	ND<10	27
2/18/2011	PZL0020	ND<10	12	ND<10	ND<10	ND<10	ND<10	93	ND<10	96
6/8/2011	PZL0020	ND<10	16	ND<10	ND<10	ND<10	ND<10	140	ND<10	72
9/7/2011	PZL0020	16	26	ND<10	ND<10	ND<10	ND<10	210	14	120
12/8/2011	PZL0020	12	18	ND<10	ND<10	84	ND<10	170	11	120
2/18/2011	PZL0022	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
6/8/2011	PZL0022	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
9/7/2011	PZL0022	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
12/8/2011	PZL0022	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
6/8/2011	PZL0024	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
9/7/2011	PZL0024	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
12/8/2011	PZL0024	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
6/8/2011	PZL0025	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
9/7/2011	PZL0025	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
12/8/2011	PZL0025	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
2/18/2011	SWL0008	62	36	ND<10	ND<10	ND<10	ND<10	180	ND<10	ND<10
6/8/2011	SWL0008	16	ND<10	ND<10	ND<10	ND<10	ND<10	72	ND<10	ND<10
9/7/2011	SWL0008	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	24	ND<10	ND<10
12/8/2011	SWL0008	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	12	ND<10	ND<10
2/18/2011	SWL0044	100	61	15	25	ND<10	13	760	11	ND<10
6/8/2011	SWL0044	64	ND<10	10	16	ND<10	ND<10	160	ND<10	ND<10
9/7/2011	SWL0044	39	ND<10	ND<10	ND<10	ND<10	ND<10	88	10	ND<10
12/8/2011	SWL0044	29	ND<10	ND<10	ND<10	ND<10	ND<10	17	ND<10	ND<10
2/18/2011	SWL0051	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
6/8/2011	SWL0051	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
9/7/2011	SWL0051	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
12/8/2011	SWL0051	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
2/18/2011	XMW29	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	49
6/8/2011	XMW29	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	67
9/7/2011	XMW29	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	82
12/8/2011	XMW29	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	97
2/18/2011	XP02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
6/8/2011	XP02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
9/7/2011	XP02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
12/8/2011	XP02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10

unit: ug/L
ND: not detected at the indicated reporting limit

Table 22.0
2011 Generated Waste Summary
Del Amo Waste Pits OU

Waste I.D.	Source	Media	Hazardous or Non-Haz	Waste Code	Volume	Container Type	Date of Generation	Date of Disposal	Transporter
DAWP-1,DAWP-2	SVE/IBT System	Condensate (liquid)	Hazardous	135, D001, D018	110 gal.	Steel Drums	1/5/2011	3/15/2011	AIS
PW-1, PW-2	Groundwater wells	Purged GW (liquid)	Hazardous	135, D018	525 gal.	IBC poly-tanks to Vacuum truck	2/18/2011	5/19/2011	AIS
PZL0024 Comp. Soil, PZL0025 Comp. Soil, Redev. Comp. Soil	PZL0024, PZL0025 Groundwater Wells	Soil (solid)	Non-Haz	NA	4320 lbs.	Steel Drums	5/27/2011	8/3/2011	AIS
PZL0024 Comp. Water, PZL0025 Comp. Water	Decontamination Water	Decon Water (liquid)	Non-Haz	NA	410 gal.	Steel Drums	5/27/2011	8/3/2011	AIS
PZL0024/PZL0025 PVC Casing	PZL0024/PZL0025 Old Casing Material	PVC (solid)	Non-Haz	NA	220 lbs.	Steel Drum	5/27/2011	8/3/2011	AIS
Redev. Water 1	Groundwater wells	Purged GW (liquid)	Non-Haz	NA	165 gal.	Steel Drums	6/1/2011	8/3/2011	AIS
PWS-1, PWS-2, Redev. Water 3, Redev. Water 4	Groundwater wells	Purged GW (liquid)	Hazardous	135, D018	1072 gal.	IBC poly-tanks to Vacuum truck	6/1/2011	7/21/2011	AIS
PPEW-1	Environmental Sampling waste	PPE, tubing, etc. (solid)	Non-Haz	NA	200 lbs.	Steel Drum	6/6/2011	2/9/2011	AIS
PW-1, PW-2	Groundwater wells	Purged GW (liquid)	Hazardous	135, D018	420 gal.	IBC poly-tanks to Vacuum truck	9/7/2011	11/9/2011	AIS
PW-1, PW-2	Groundwater wells	Purged GW	Hazardous	135, D018	450 gal.	IBC poly-tanks to Vacuum truck	12/8/2011	2/9/2012	AIS
DAWP-3	SVE/IBT System	Condensate (liquid)	Hazardous	135, D001, D018	40 gal.	Steel Drum	12/15/2011	2/9/2011	AIS

Table 23.0
2012 Proposed Monitoring and Inspection Activities
Del Amo Waste Pits OU

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 Gauging and Sampling	Annually	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	Quarterly Field Monitoring Form
Full Scale Field Monitoring (perimeter, 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.

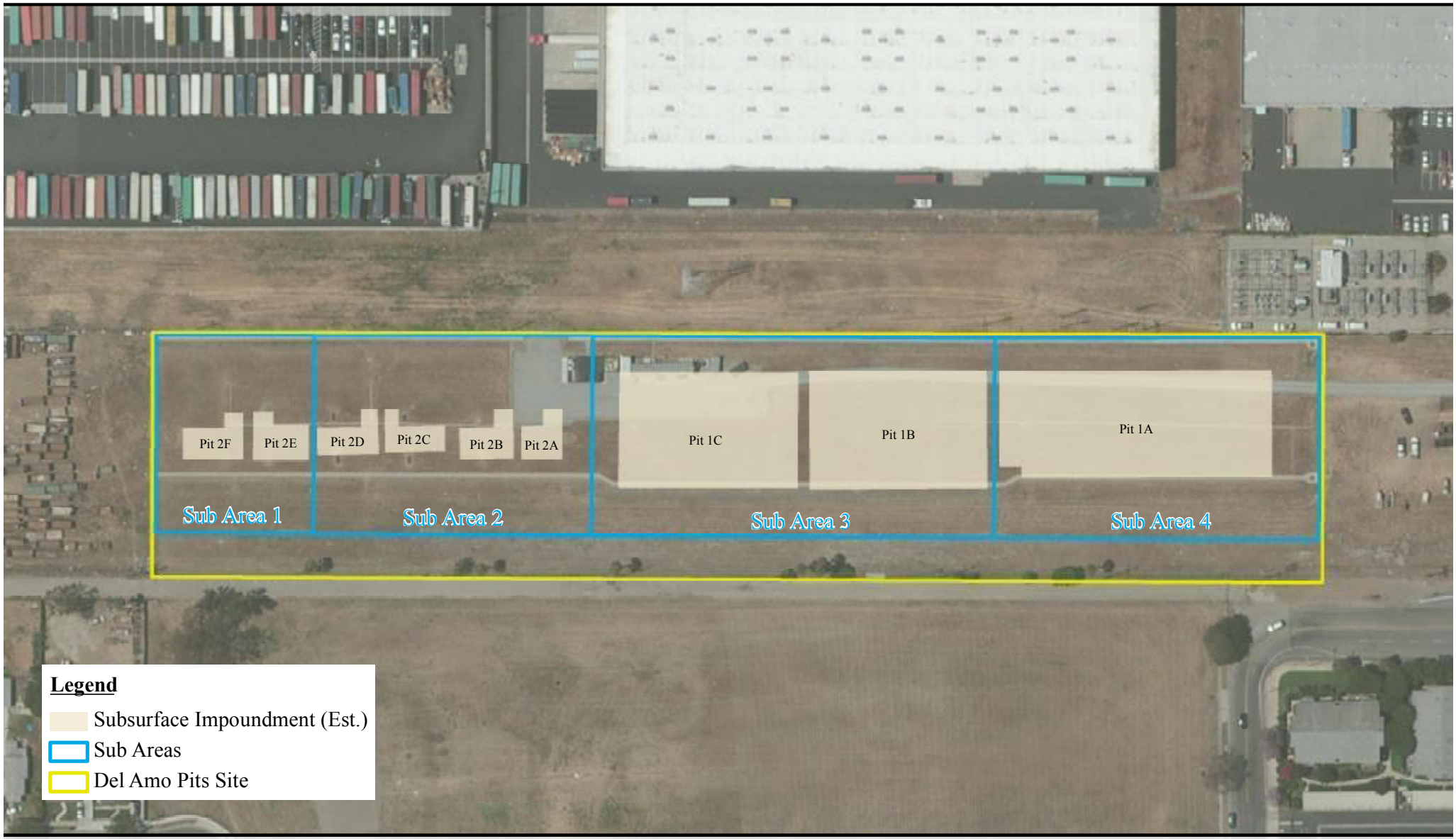
SITE LOCATION MAP

Del Amo Waste Pits OU

Figure 1.0

C2REM
An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

0 0.1 0.2
Miles



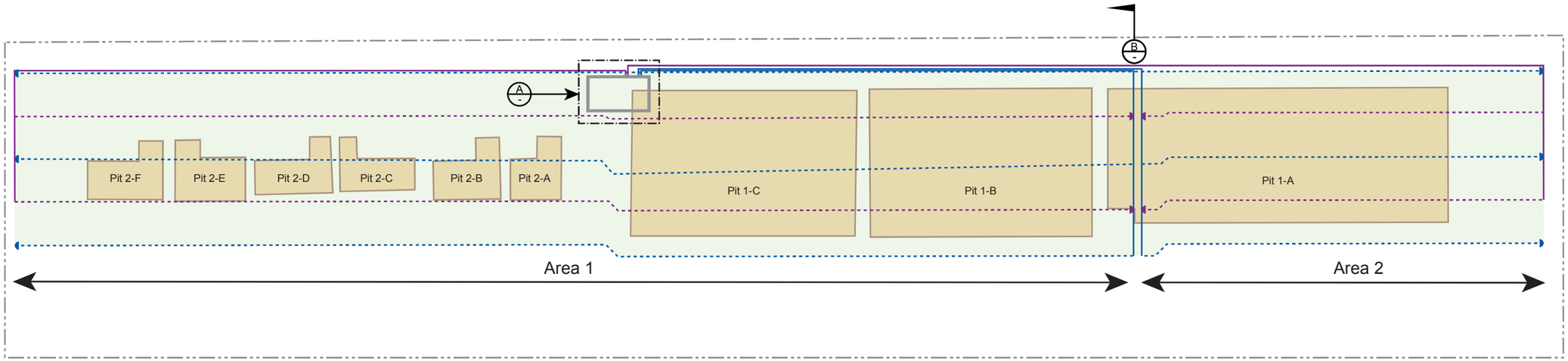
PROPERTY MAP

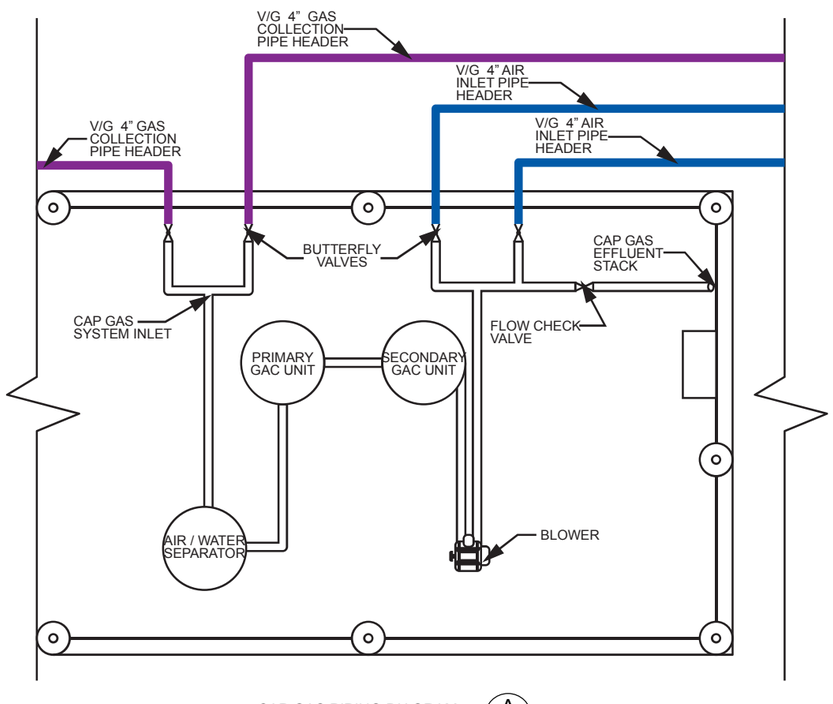
Del Amo Waste Pits OU

Figure 2.0

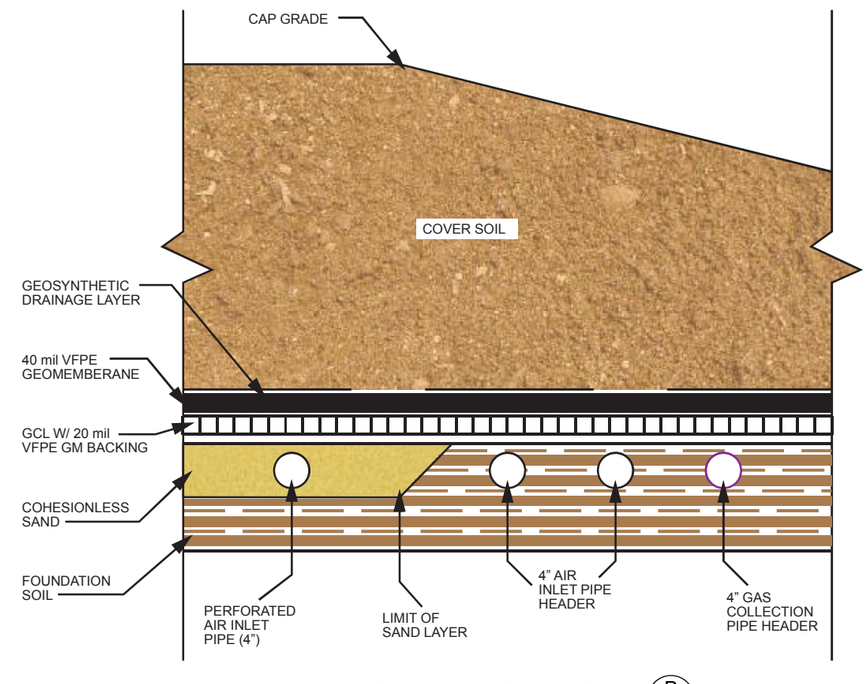
C2REM
An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

0 75 150 300 Feet





CAP GAS PIPING DIAGRAM (A -)
NTS - Vertically Exaggerated



CAP GAS COLLECTION PIPING CROSS SECTION (B -)
NTS - Vertically Exaggerated

Legend:

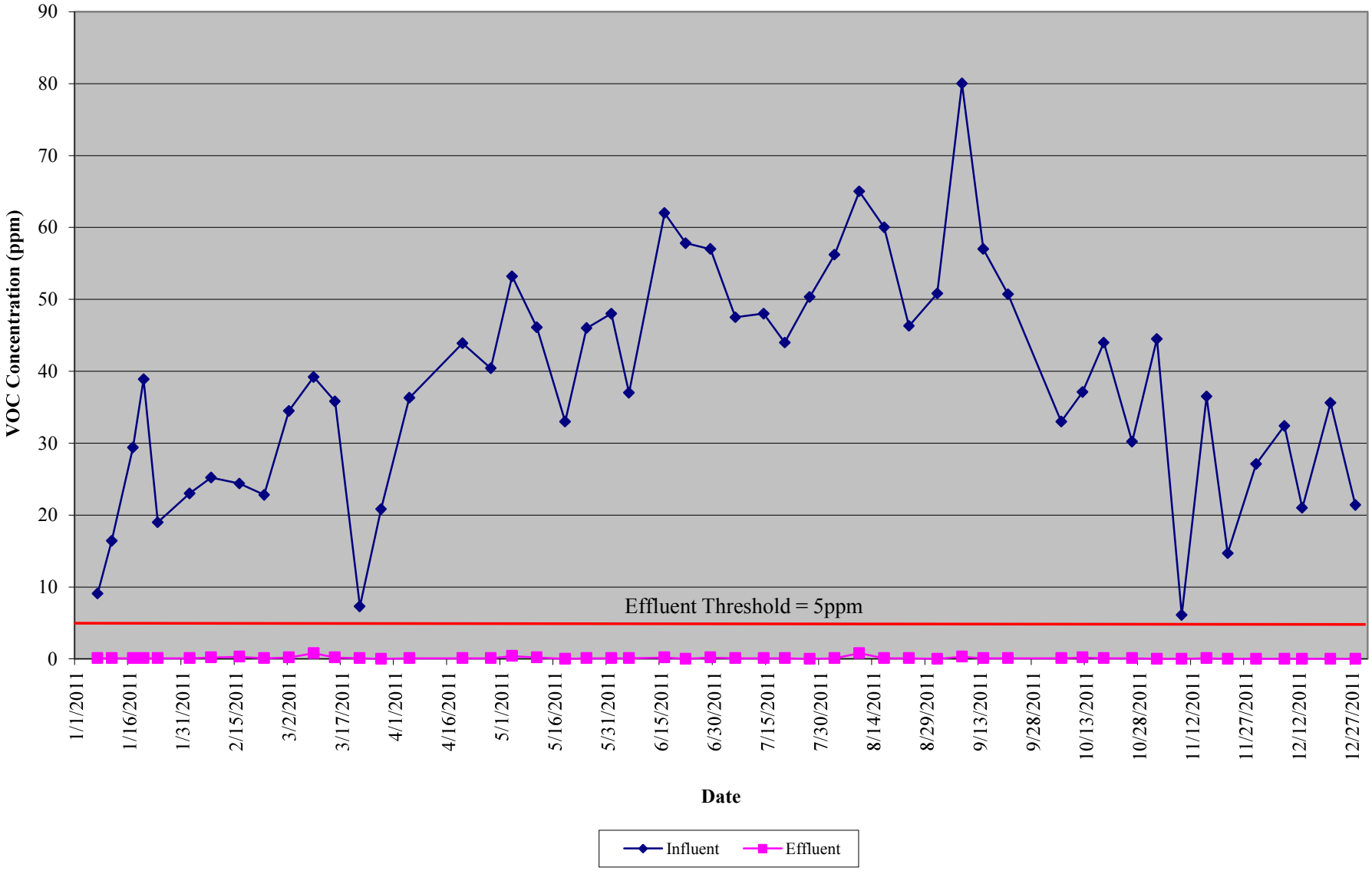
- 4" Solid Wall Gas Collection Pipe (Header)
- 4" Perforated Gas Collection Pipe
- 4" Solid Wall Air Inlet Pipe (Header)
- 4" Perforated Air Inlet Pipe
- Cap End
- Cap Gas Treatment System Enclosure
- Estimated Extent of Subsurface Impoundment
- Cap
- Del Amo Pits Site

GAS CAP TREATMENT SYSTEM PIPING PLAN

Del Amo Waste Pits OU

Figure 3.0

An Environmental Management & Development Company
NEWPORT BEACH, CA
949.261.8098



2011 GCTS MONITORING RESULTS

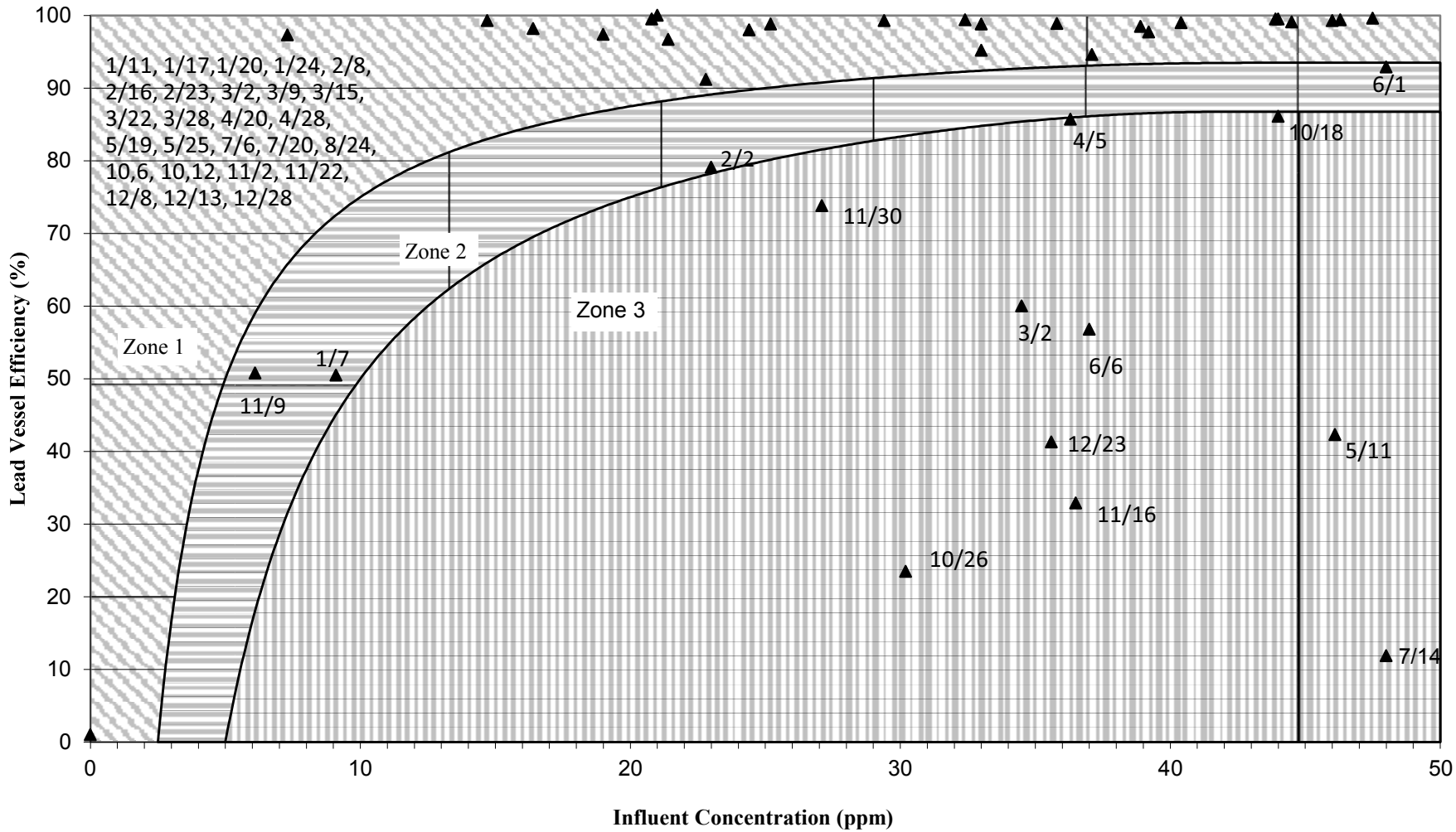
INFLUENT VS. EFFLUENT

Del Amo Waste Pits OU

Figure 4.0

C2REM
An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA



2011 GCTS CARBON REPLACEMENT PROTOCOL

Del Amo Waste Pits OU

Figure 5.0

An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA

SVE & MONITORING WELL LOCATION MAP

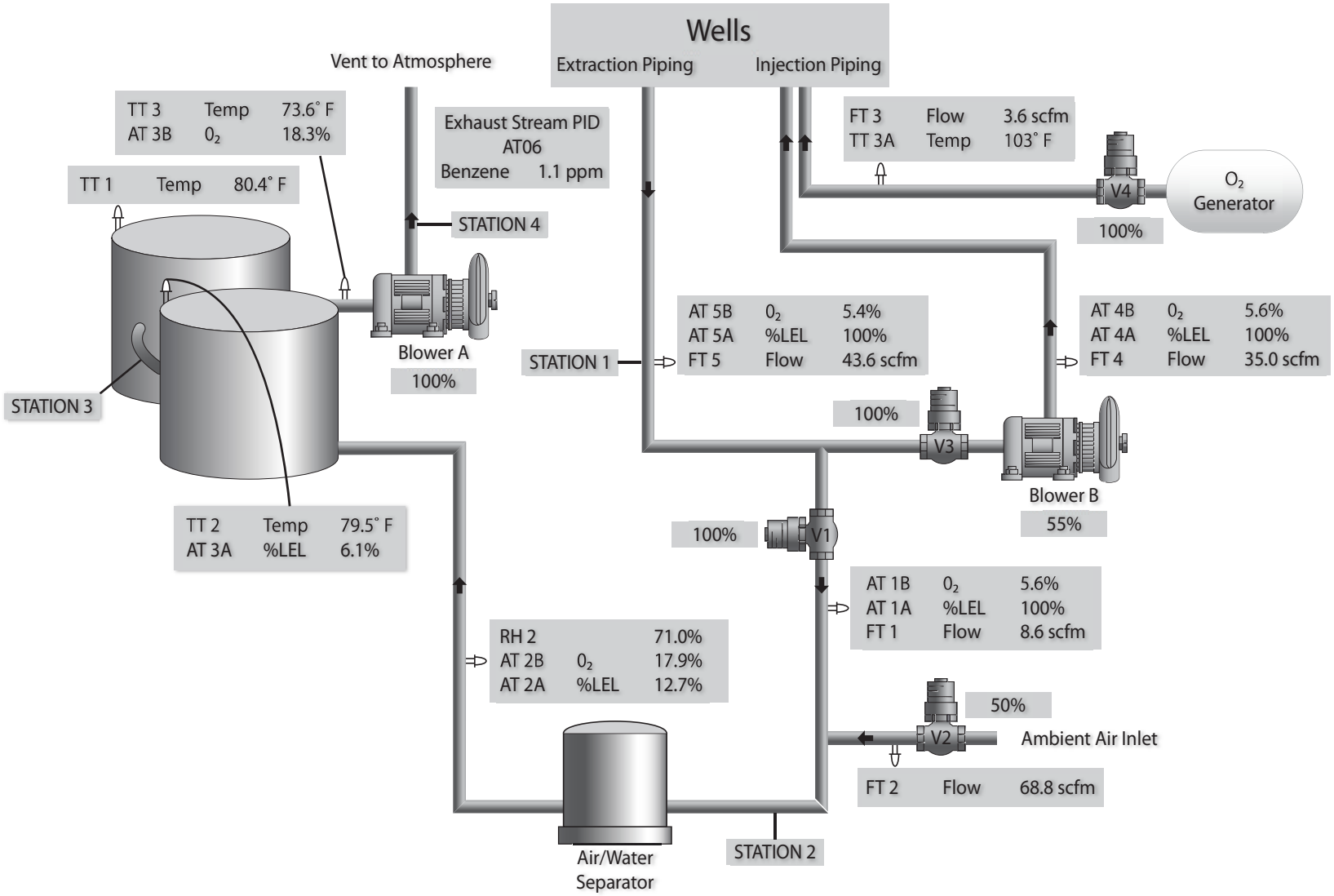
Del Amo Waste Pits OU

Figure 6.0

C2REM
An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

0 75 150 300 Feet

Torrance, CA



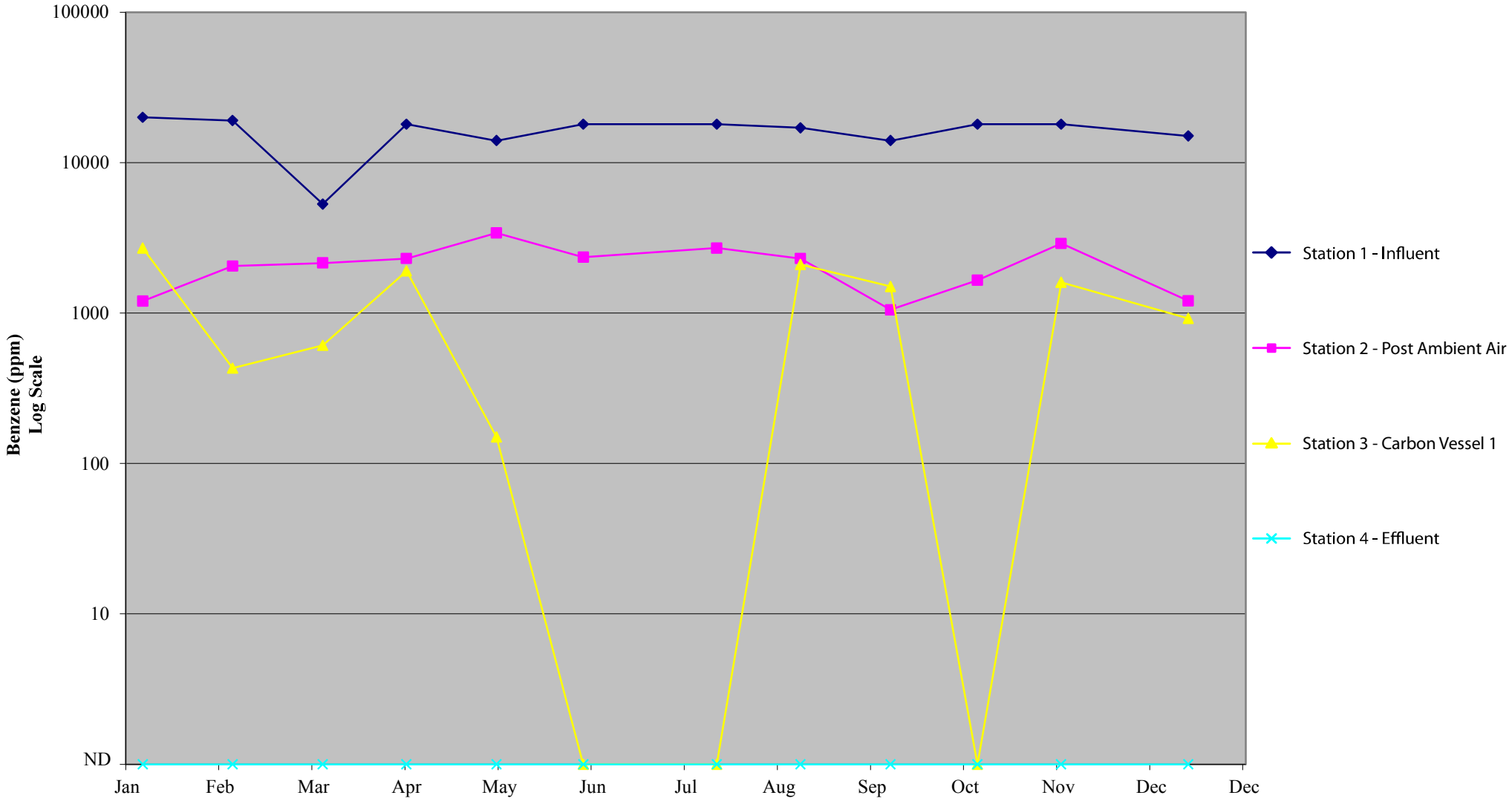
2011 SVE/IBT SYSTEM INLINE SENSOR AVERAGES

Del Amo Waste Pits OU

Figure 7.0

C2REM
An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA



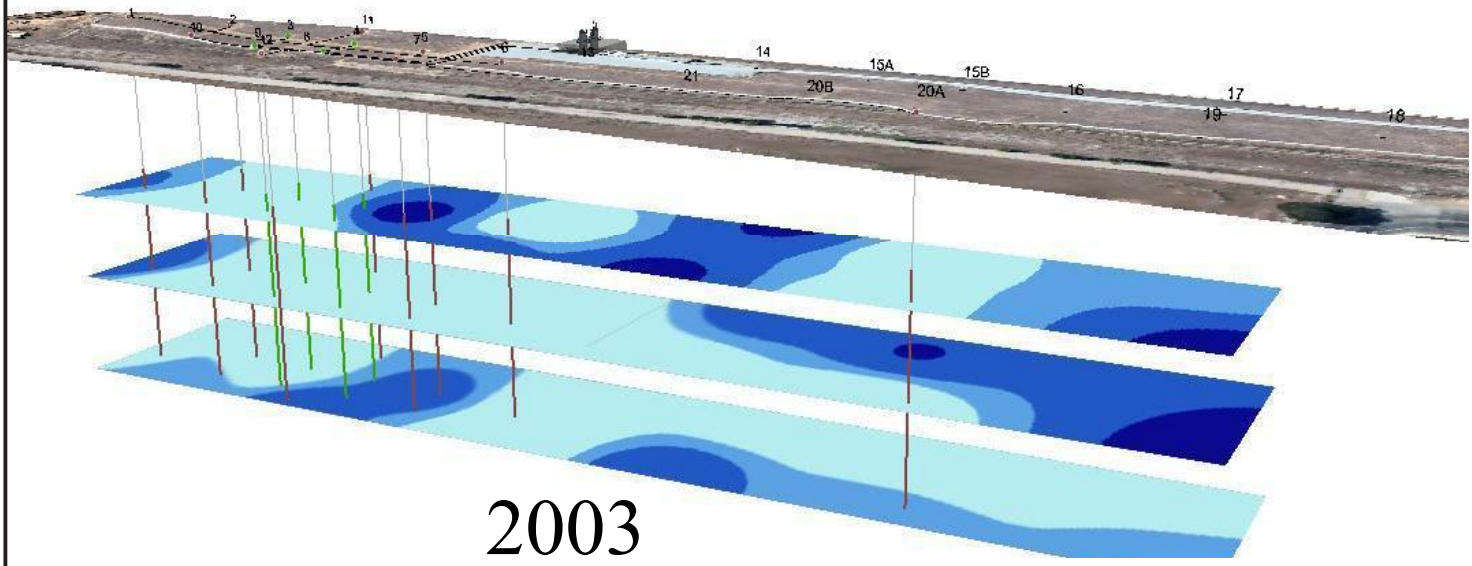
2011 SVE/IBT SYSTEM LABORATORY RESULTS

Benzene Concentrations (ppmv)
Del Amo Waste Pits OU

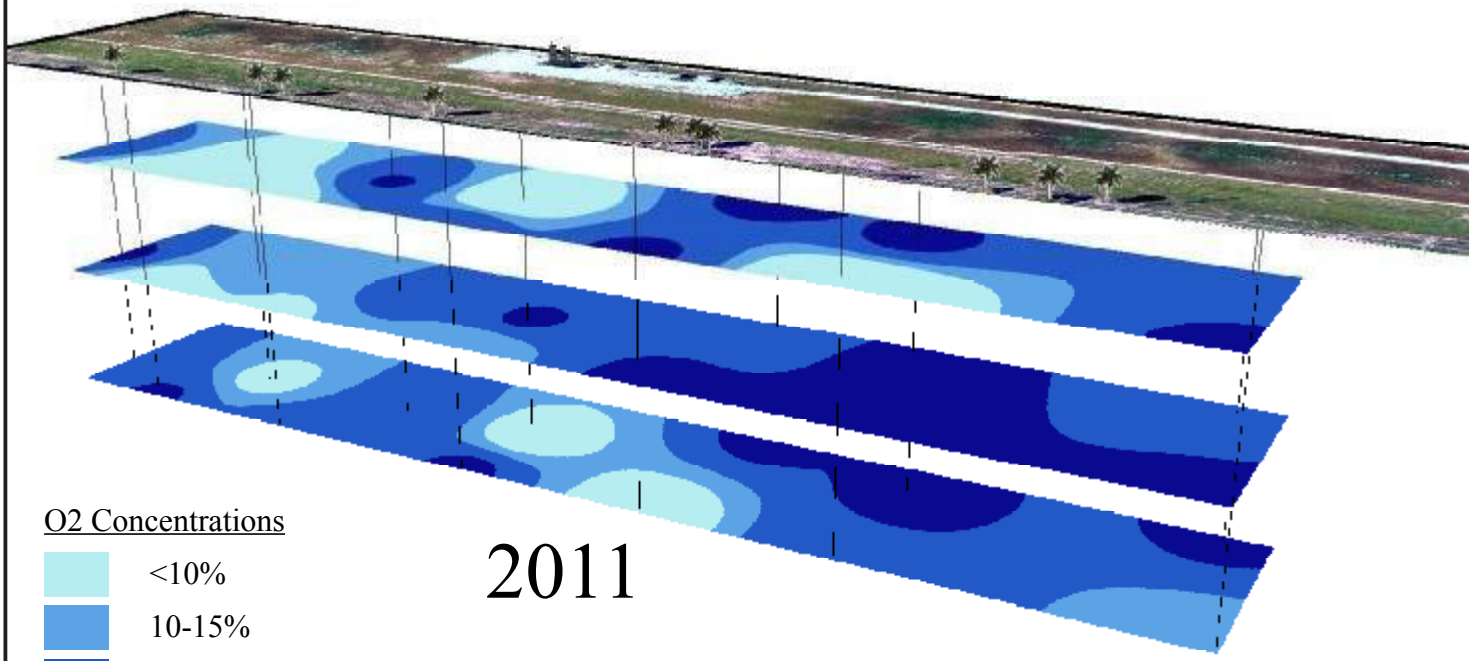
Figure 8.0

An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA



2003



2011

O2 Concentrations

- <10%
- 10-15%
- 15-20%
- >20%

2003 & 2011 SUBSURFACE O_2 AVERAGES

Del Amo Waste Pits OU

Torrance, CA

Not To Scale

Figure 9.0

C2REM
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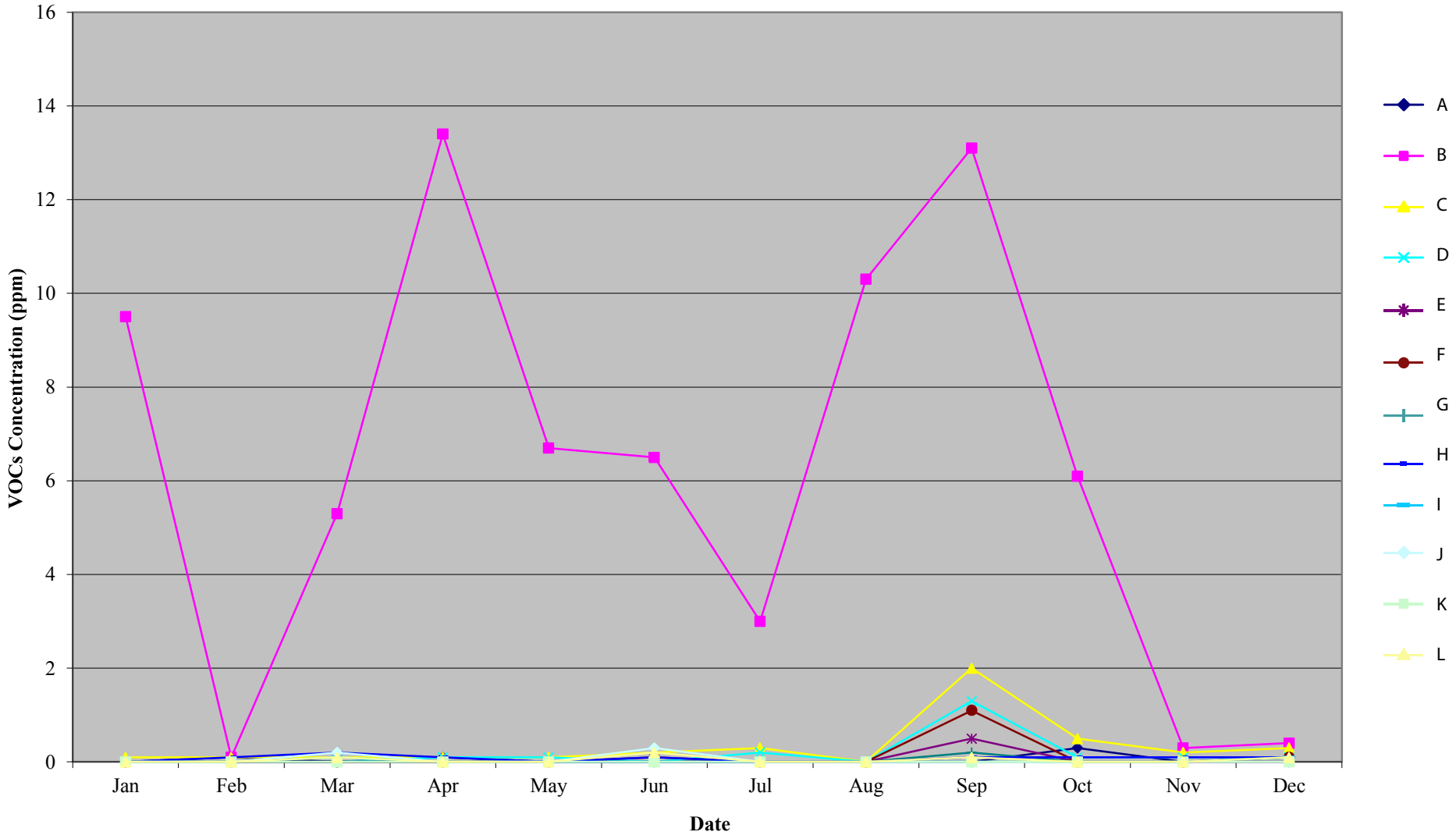
NEWPORT BEACH, CA 949.261.8098



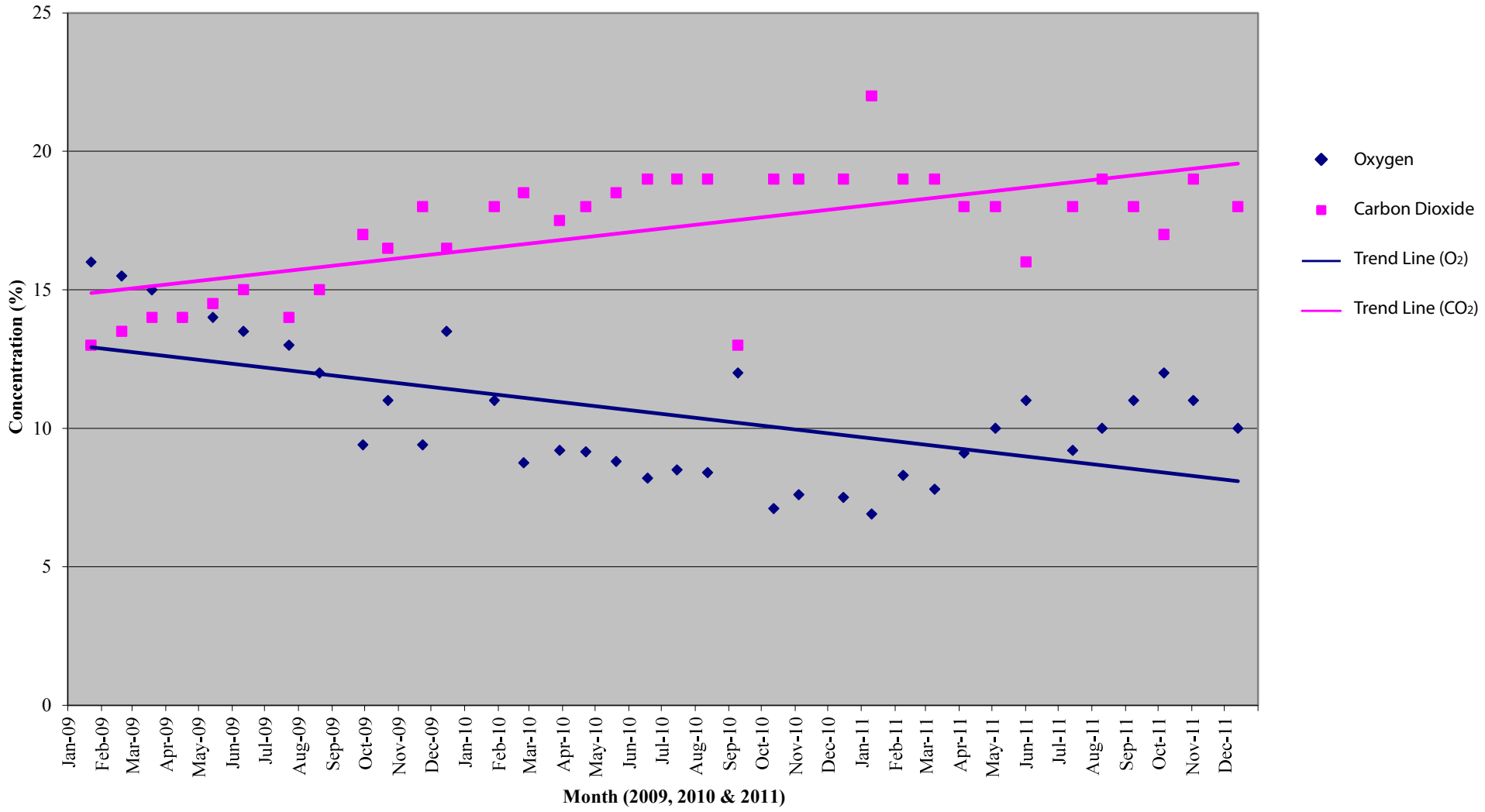
2011 PERIMETER WELL FIELD MONITORING RESULTS

Del Amo Waste Pits OU

Figure 10.0

C2REM
An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA

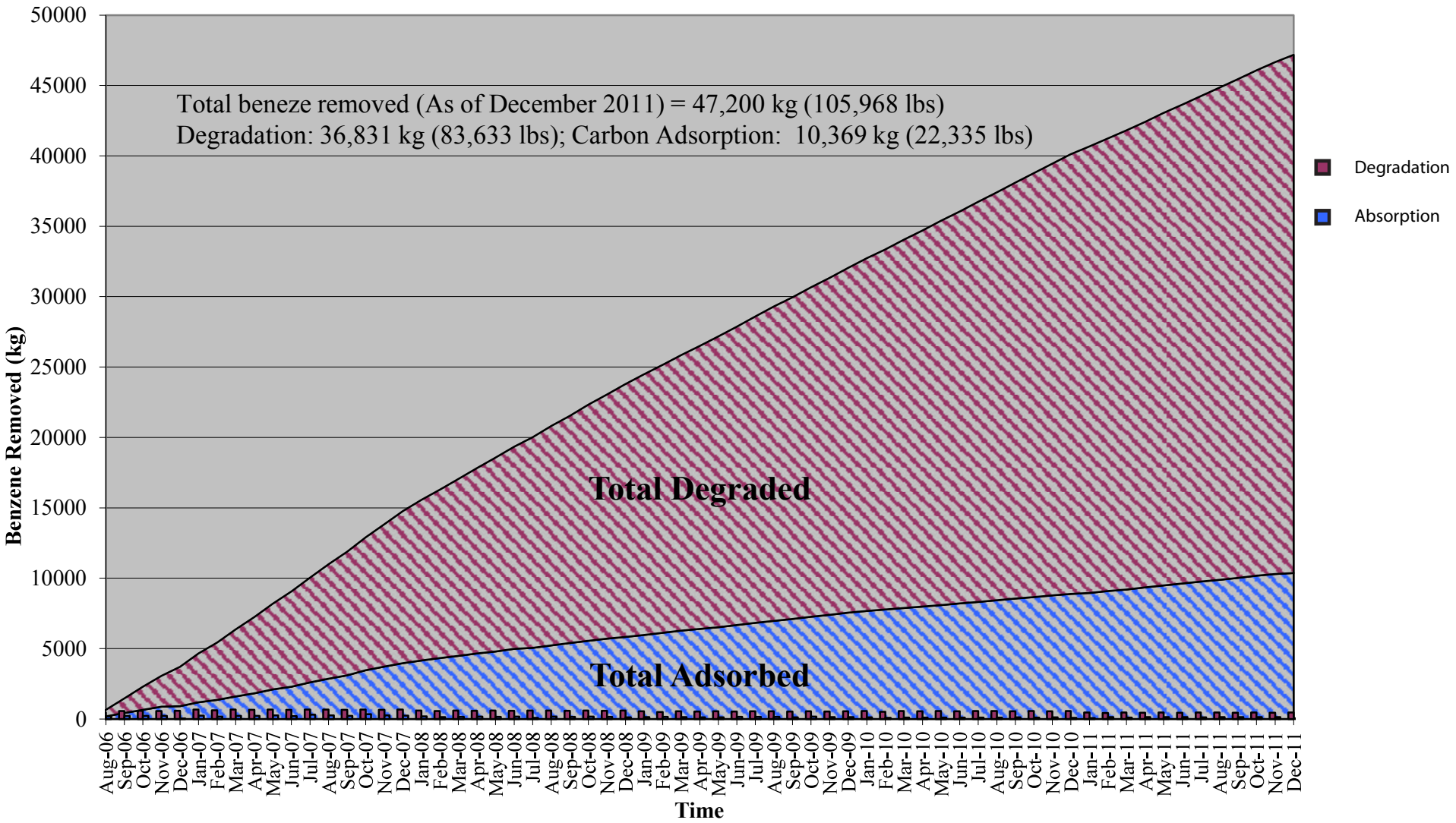


2009-2011 SVE/IBT SYSTEM INFLUENT
O_2 vs CO_2
Del Amo Waste Pits OU

Figure 11.0

An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA



2006-2011 TOTAL BENZENE REMOVED

Del Amo Waste Pits OU

Figure 12.0

C2REM
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NEWPORT BEACH, CA 949.261.8098

Torrance, CA

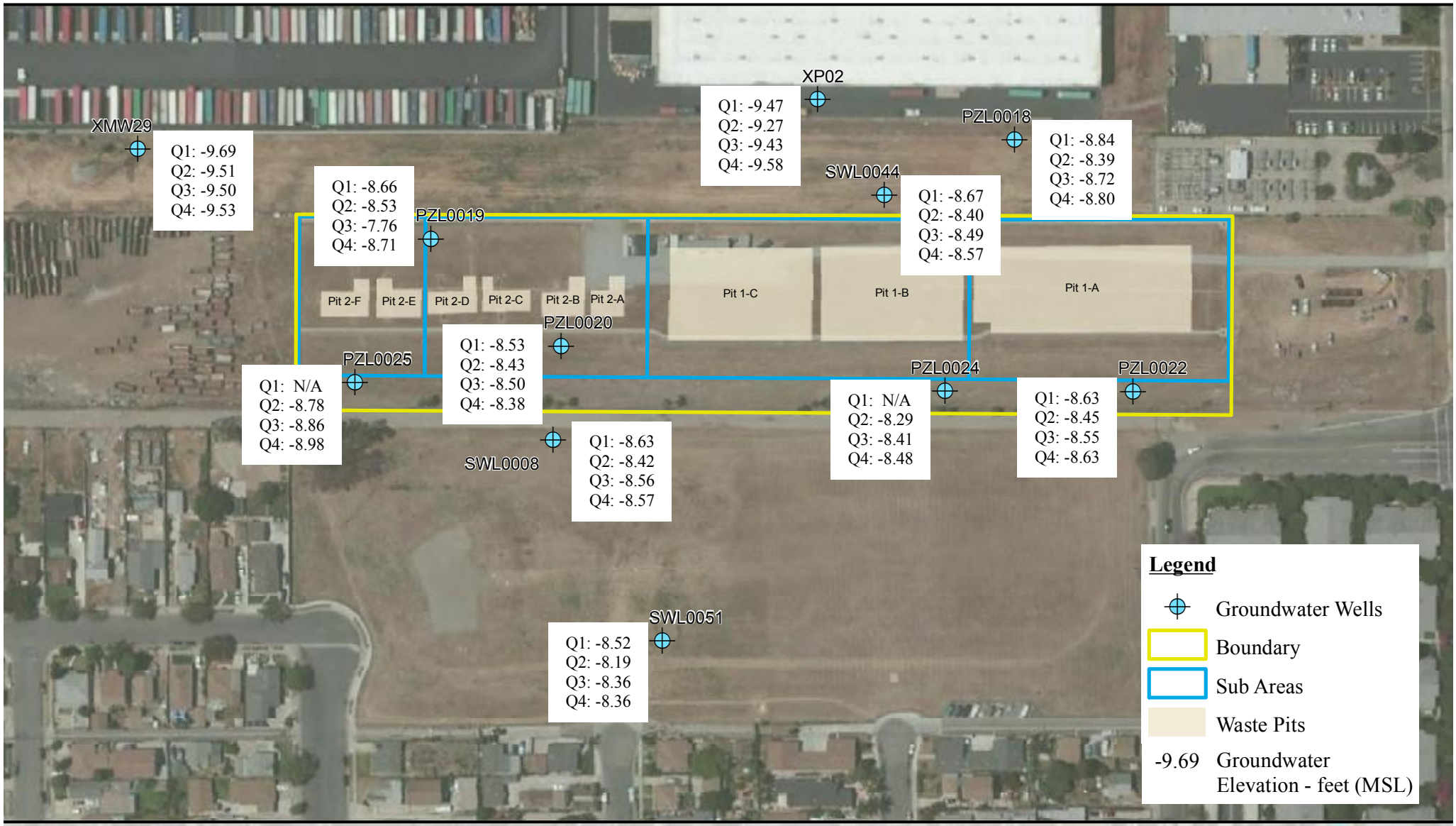
GROUNDWATER MONITORING WELL LOCATION MAP

Del Amo Waste Pits OU

Figure 13.0

C2REM
An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA

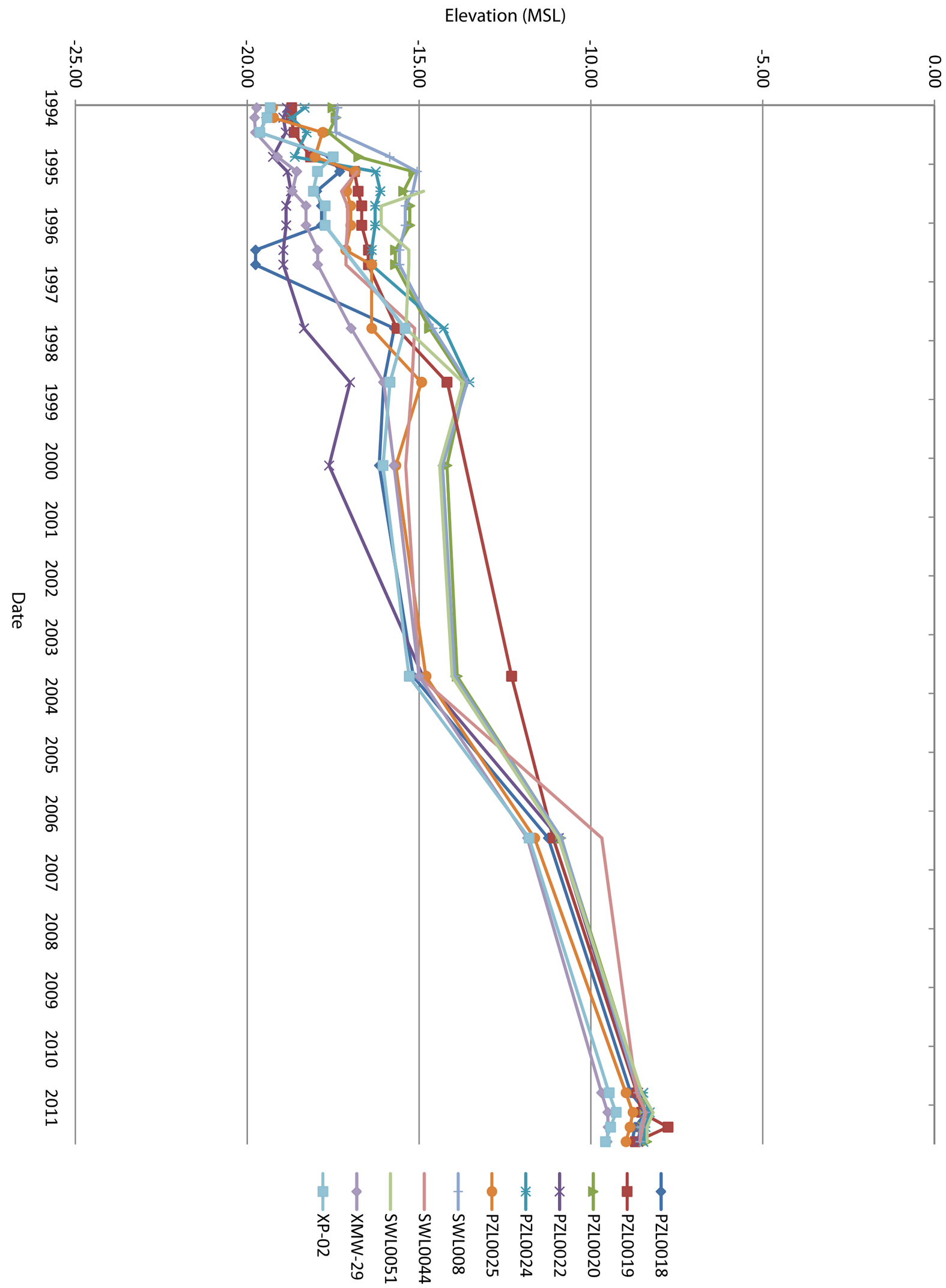


2011 QUARTERLY GROUNDWATER ELEVATIONS

Del Amo Waste Pits OU

Figure 14.0

C2REM An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098



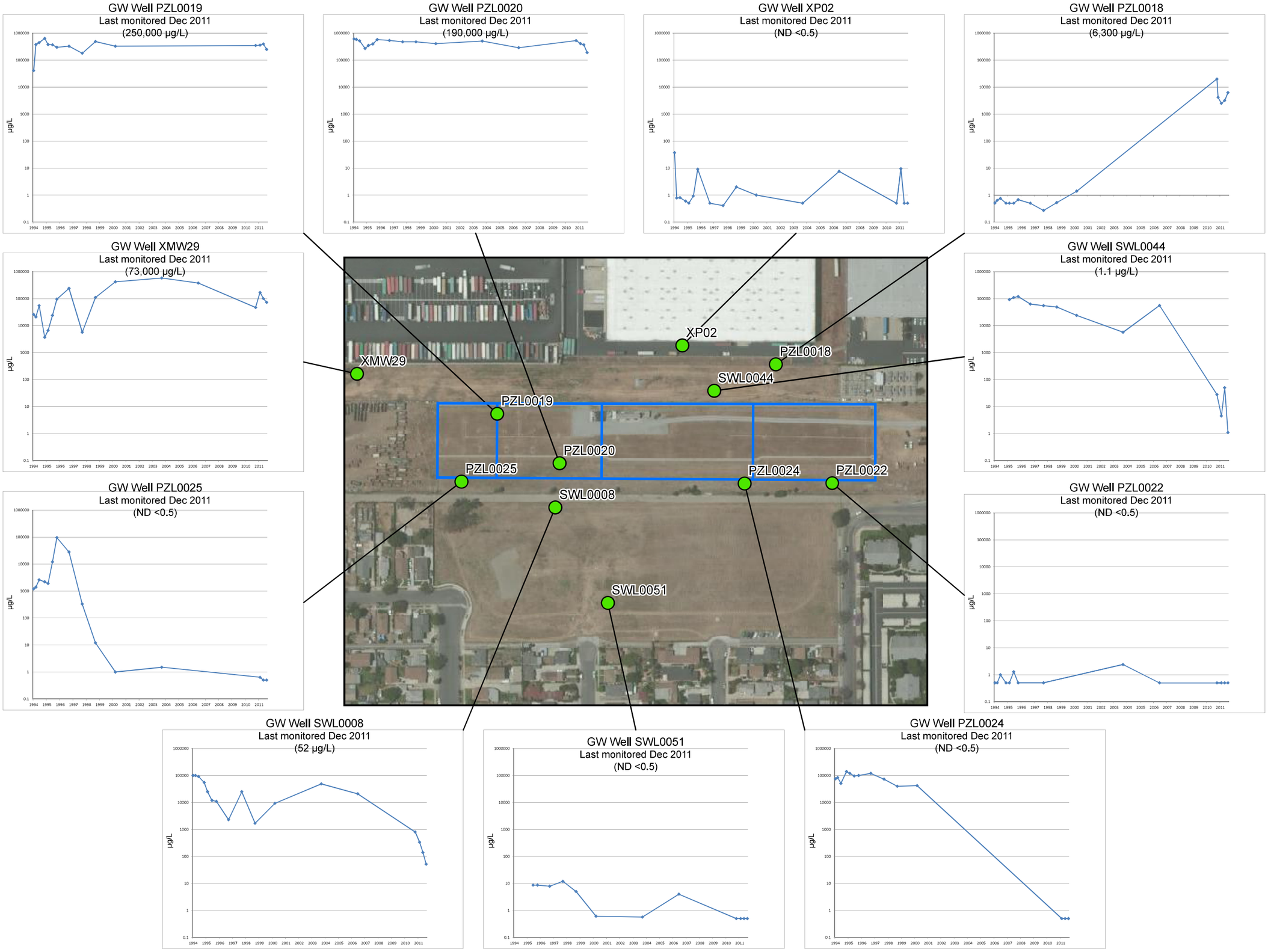
GROUNDWATER ELEVATION TIME SERIES TRENDS

Del Amo Waste Pits OU

Figure 15.0

An Environmental Management & Development Company
NEWPORT BEACH, CA 949.261.8098

Torrance, CA



GROUNDWATER BENZENE CONCENTRATION TIMELINE TRENDS (1994-2011)

Del Amo Waste Pits OU

Torrance, CA

Figure 16.0

An Environmental Management & Development Company

NEWPORT BEACH, CA

949.261.8098

APPENDIX A

2011 FIELD MONITORING RESULTS

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

Completed By: CA
Title: _____

Sheet 1 of 1
Date: 1/7/11
Time: _____

Verified By: SM
Title: _____

Type of Monitoring Devices: PID, pump lung
Weather Conditions: sunny

Type of Inspection (check only one):

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

Vessel Operation:

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

Sample Ports:

		VOCs (ppm)
1.	System Inlet	9.1
2.	Outlet of Carbon 1	4.5
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	76°	144	60%
Effluent	100	175	25%

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: 1/11/2011
Time: 13:30

Verified By: S. McGrough
Title: Project Engineer

Type of Monitoring Devices: PID, Pumping Velocicalc
Weather Conditions: Sunny 65-70°

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	16.4
2.	Outlet of Carbon 1	0.3
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**
Influent	70.9	143
Effluent	108.2	176

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: E.L. Engineer

Sheet 1 of 1
Date: 1/17/11
Time: 1:15

Verified By: S. McGrough
Title: P.E.

Type of Monitoring Devices: Pumplung + PID + Velocicalc
Weather Conditions: 79° 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	29.4 *
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	75°	143	32%
Effluent	115°	166	15%

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

* used PID 3000; calibrated to 50 ppm Benzene

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: 1-20-11
Time: 1:45 pm

Verified By: S McCEOUGH
Title: PE

Type of Monitoring Devices: PID + Velocicalc.
Weather Conditions: 75° & SUNNY

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(✓) Other Frequency (explain) FOLLOW UP MONITORING

Vessel Operation:

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

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	38.9.
2.	Outlet of Carbon 1	0.6.
3.	Outlet of Carbon 2	0.2.
4.	System Effluent	0.1.

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	82	155	31.
Effluent	110°	168	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 ____ of ____
Date: 1/24/2011
Time: 1400

Verified By: SA
Title: _____

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

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	19.0
2.	Outlet of Carbon 1	0.5
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	80	150	21.5
Effluent	106	165	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: C. Alexander
Title:

Sheet 1 of 1
Date: 2/2/2011
Time: 12:30

Verified By: S. McGeough
Title:

Type of Monitoring Devices: PID 3000 + PID 2000, pump lung & Velocicalc
Weather Conditions: 64° sunny

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) PID 2000	PID 3000
1.	System Inlet	23.0	34.3
2.	Outlet of Carbon 1	4.8	7.0
3.	Outlet of Carbon 2	0.2	0.1
4.	System Effluent	0.1	0.0

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	76.4°	145	12.6
Effluent	110°	170	15.8

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: 2/8/2011
Time:

Verified By: S. Aizawa
Title:

Type of Monitoring Devices: 2000 PID, pumplung RKI, Velocical c
Weather Conditions: overcast 65°

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	25.2
2.	Outlet of Carbon 1	0.3
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	70	150	53
Effluent	97	175	18

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: 2/16/11
Time: 11:00 am

Verified By: SM
Title:

Type of Monitoring Devices: PID 2000 MiniRae Velocicalc, Pumplung
Weather Conditions: overcast ≈60°

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	24.4
2.	Outlet of Carbon 1	0.5
3.	Outlet of Carbon 2	0.4
4.	System Effluent	0.3

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	73.7	139	57%
Effluent	105	180	19%

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

PID 2000 calibrated to 5.0 ppm Benzene

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

Completed By: CA
Title:

Sheet 1 of 1
Date: 2/23/2011
Time: 11:00am

Verified By: CA
Title:

Type of Monitoring Devices: PID 2000, Velocicalc, RKI
Weather Conditions: Overcast ≈60°

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	22.8
2.	Outlet of Carbon 1	2.0
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	72	145	32
Effluent	105	185	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: CA
Title:

Sheet 1 of 1
Date: 3/2/2011
Time: 12:30pm

Verified By: IY
Title:

Type of Monitoring Devices: PID, velocicalc
Weather Conditions: overcast 68°

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	34.5
2.	Outlet of Carbon 1	13.8
3.	Outlet of Carbon 2	0.3
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	73.1	142	30.0
Effluent	107.6	172 ~~96.5~~	16.8

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

PID 2000 calibrated to 5.0ppm Benzene

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

Completed By: CA
Title:

Sheet 1 of 1
Date: 3/9/11
Time:

Verified By: CA
Title:

Type of Monitoring Devices: PID 3000 calibrated to 5ppm, Velocicalc
Weather Conditions: 82° Sunny

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly ( ) Semi-Monthly
(X) 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	39.2
2.	Outlet of Carbon 1	0.9
3.	Outlet of Carbon 2	0.9
4.	System Effluent	0.8

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	92	140	22.2
Effluent	125.8	163	11.5

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: 3/22/2011
Time: ≈10:00am

Verified By: SA
Title:

Type of Monitoring Devices: PID 3000 calibrated to 50 ppm, Velocicalc
Weather Conditions: 65°F sunny

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	7.3
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	71	160	40
Effluent	97	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: SA
Title: Staff Scientist

Sheet 1 of 1
Date: 3/28/2011
Time: 11:30

Verified By: SM
Title: Project Engineer

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

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) PID 2000
1.	System Inlet	20.8
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	83°	160	35%
Effluent	95°	170	25%

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: 4/5/2011
Time: 11:55

Verified By: SA
Title: staff scientist

Type of Monitoring Devices: 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	36.3
2.	Outlet of Carbon 1	5.2
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	84.6	141	36.7
Effluent	116.6	167	16.1

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: _____

Sheet 1 of 1
Date: 4/20/2011
Time: ≈12:00 pm

Verified By: SM
Title: _____

Type of Monitoring Devices: PID 2000 calibrated to 5 ppm
Weather Conditions: overcast ≈ 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	43.9
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	79	141	45.5
Effluent	114	174	15.5

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 ___ of ___
Date: 4/28/2011
Time: 11:00am

Verified By: SM
Title:

Type of Monitoring Devices: PID + velocicalc
Weather Conditions: sunny ≈ 80°F

Type of Inspection (check only one):

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

Vessel Operation:

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

Sample Ports:

		VOCs (ppm)
1.	System Inlet	40.4
2.	Outlet of Carbon 1	0.4
3.	Outlet of Carbon 2	0.3
4.	System Effluent	0.1

PID 2000 CAL to 5 ppm/bu

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	96.2	142	26.8
Effluent	109.4	165	22.7

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: CA
Title:

Sheet 1 of 1
Date: 5/4/2011
Time: ≈12:30pm

Verified By: IY
Title:

Type of Monitoring Devices: PID 2000 calibrated to 5.0 ppm, pumplung, velocical
Weather Conditions: ≈ 85° F 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	53.2
2.	Outlet of Carbon 1	5.8
3.	Outlet of Carbon 2	0.5
4.	System Effluent	0.4

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	98.6	135.5	12.4
Effluent	123	158	17.4

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: 5/11/2011
Time: 211:45am

Verified By: SA
Title:

Type of Monitoring Devices: PID 2000 calibrated to 5.0ppm, velocicalc + pumping
Weather Conditions: Sunny

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	46.1
2.	Outlet of Carbon 1	26.6
3.	Outlet of Carbon 2	0.3
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	83.5	143	38.5
Effluent	114	150	20.8

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: 5/19/2011
Time: _____

Verified By: SA
Title: Staff Scientist

Type of Monitoring Devices: 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	33
2.	Outlet of Carbon 1	1.6
3.	Outlet of Carbon 2	~~2.6~~ 0.7
4.	System Effluent	0

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	77	148	48
Effluent	115	164	22

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, JR
Title:

Sheet 1 of 1
Date: 5/25/2011
Time: 11:10

Verified By: SA
Title:

Type of Monitoring Devices: 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	46
2.	Outlet of Carbon 1	.3
3.	Outlet of Carbon 2	.1
4.	System Effluent	.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	86	142	37
Effluent	110	167	23.5

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: Shinta Aizawa
Title: PE

Sheet 1 of 1
Date: 6/1/2011
Time: 11.15

Verified By: S. Mc Crouch
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) _____

Vessel Operation:

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

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	48
2.	Outlet of Carbon 1	3.4
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	78°	145	40
Effluent	101	165	27

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: 6/6/11
Time: 11:30

Verified By: SM
Title: Project Engineer.

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

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
2.	Outlet of Carbon 1	16
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	84	~~145~~ 136	45
Effluent	105	171	26

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

Carbon change-out has been conducted after the monitoring.
New carbon drum is placed in C2 and previous C2 drum became now C1.

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

Completed By: SA
Title: Staff Scientist

Sheet ____ of ____
Date: 6/16/11
Time: 11:00

Verified By: SM
Title: Project Engineer

Type of Monitoring Devices: PID, Velocicale
Weather Conditions: Rain

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	62
2.	Outlet of Carbon 1	0.6
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	69	156	81
Effluent	110	168	21

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: 06/22/2011
Time: 11:15

Verified By: SA
Title: Staff scientist

Type of Monitoring Devices: 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	57.8/59.1
2.	Outlet of Carbon 1	16.5/13.5
3.	Outlet of Carbon 2	0.3/0
4.	System Effluent	0/0

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	81	140	51%
Effluent	140	156	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: SA
Title: Staff Scientist

Sheet 1 of 1
Date: 06/29/11
Time: 11:15

Verified By: SM
Title: Project Engineer

Type of Monitoring Devices: 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	57
2.	Outlet of Carbon 1	0.3
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	85.5	136	45
Effluent	126.5	152	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: S. Mc Gough
Title: Project Engineer

Sheet 1 of 1
Date: 7/6/2011
Time: 12:00pm

Verified By: I Jusko
Title: PE, Field Supervisor.

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

Type of Inspection (check only one):

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

Vessel Operation:

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

Sample Ports:		**VOCs (ppm)**
1.	System Inlet	47.5
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

PID 2000 cal to 5ppm

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	85	138	44
Effluent	140°	152	20

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: 7/14/11
Time: 12:15 PM

Verified By: IY
Title: PE

Type of Monitoring Devices: PID 2000, VELOCICALC
Weather Conditions: CLOUDY, COOL, OVERCAST

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	48.0
2.	Outlet of Carbon 1	42.3
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	78	138	60
Effluent	127	153	20

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: _____ Sheet 1 of 1
Title: _____ Date: 7/20/2011
Time: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: 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	44
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	90.2	141	41
Effluent	~~90.2~~ 130.	152	18

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: 07/27/2011
Time: 11:45

Verified By: SM
Title: Project Engineer.

Type of Monitoring Devices: 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	50.3
2.	Outlet of Carbon 1	0.3
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	82	150	46
Effluent	127	164	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: SA
Title: Staff Scientist

Sheet 1 of 1
Date: 8/3/11
Time: 11:00

Verified By: SM
Title: Project Engineer.

Type of Monitoring Devices: PID.
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	56.2
2.	Outlet of Carbon 1	50.1
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	84	NA	NA
Effluent	135	NA	NA

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

Carbon change-out has been conducted after the monitoring.
Air Flow and Humidity were not monitored due to lack of sensor.

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

Completed By: JR
Title: Field Tech

Sheet 1 of 1
Date: 8/10/17
Time: 11:00

Verified By: SA
Title: Project Engineer.

Type of Monitoring Devices: PID, Velocica/c.
Weather Conditions: _____

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)	2nd samples ↓
1.	System Inlet	65	
2.	Outlet of Carbon 1	2.1	1.5
3.	Outlet of Carbon 2	7.8	1.5
4.	System Effluent	0.8	

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	87°	139	41.4
Effluent	131	158	17

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

C2 sample was taken after SVE-1BT Inlet sample, there might be cross contamination. The second sample ~~were~~ was taken and were cleaner.

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

Completed By: JR
Title:

Sheet 1 of 1
Date: 8/17/2011
Time: 11:30

Verified By: SA
Title:

Type of Monitoring Devices: 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	60
2.	Outlet of Carbon 1	54
3.	Outlet of Carbon 2	0.6
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	121	142	24
Effluent	87	175	43

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

Carbon Change out has been conducted after the monitoring

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

Completed By: SM / JR
Title: _____

Sheet ____ of ____
Date: 8-24-11
Time: 11:00

Verified By: _____
Title: _____

Type of Monitoring Devices: PID
Weather Conditions: Sunny

Type of Inspection (check only one):

( ) Daily (X) 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	46.3
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	54" H 86°F	136
Effluent	20" H 126°F	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: S. M. GEOUGH
Title: PE

Sheet 1 of 1
Date: 9/1/2011
Time: 2pm

Verified By: I JUSKO
Title: PE

Type of Monitoring Devices: PID, VELOCICALC
Weather Conditions: SUNNY 80°.

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	50.8
2.	Outlet of Carbon 1	41.0
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.0

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	83		
Effluent	123		

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

Carbon change-out of C_1 required and performed same day
C_2 moved to C_1 & fresh vessel installed @ C_2 location.

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

Completed By: SA
Title: Staff Scientist

Sheet 1 of 1
Date: 9/8/11
Time: 10:30

Verified By: SM
Title: Project Engineer

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

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	80
2.	Outlet of Carbon 1	0.6
3.	Outlet of Carbon 2	0.4
4.	System Effluent	0.3

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	94	132	40
Effluent	140	154	13

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

Carbon drum @ C2 is probably not fresh carbon.
First monitoring results → Inlet = 56, C1 = 0.5, C2 = 29, Eff = 29.

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

Completed By: SM / SA
Title: PROJECT ENG.

Sheet 1 of 1
Date: 9-14-11 WED
Time: 10:53

Verified By: KV
Title: PROJECT MGR

Type of Monitoring Devices: PID
Weather Conditions: MILD, BREEZY, SL OVERCAST

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	57.0
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)**	**Humidity (%)**
Influent	84	139	45
Effluent	140	164	~~16.5~~ KW 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: SM
Title: PE

Sheet 1 of 1
Date: 9/21/11
Time: 12:45 PM

Verified By: IY
Title: PE

Type of Monitoring Devices: PID, VELOCICALC
Weather Conditions: SUNNY, CLEAR, 82°F

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	50.7
2.	Outlet of Carbon 1	12.3
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0.1

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	85	132	57
Effluent	96.1	154	44.

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

EFFLUENT ⇒ 12.3 % OXYGEN, 8.0% CO_2
INLET ⇒ 12.0 % OXYGEN, 8.2 % CO_2
Eff Inline Temp - 135°.

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

Completed By: SA
Title: Project Engineer

Sheet 1 of 1
Date: 10/6/2011
Time: 12:15

Verified By: SM
Title: Project Engineer.

Type of Monitoring Devices: 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	33
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)**	**Humidity (%)**
Influent	80.3	139.5	N/A
Effluent	130	155.5	N/A.

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: 10/12/11
Time: 11:30

Verified By: SM
Title: Project Engineer.

Type of Monitoring Devices: PID, Velocica/c
Weather Conditions: Hot.

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	37.1
2.	Outlet of Carbon 1	2.0
3.	Outlet of Carbon 2	0.3
4.	System Effluent	0.2

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	95.5	143.5	35
Effluent	135	162	18

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. McGrough
Title: PE

Sheet 1 of 1
Date: 10/18/2011
Time: 11.30 AM

Verified By: S. AIZAWA
Title: Staff Scientist PE

Type of Monitoring Devices: PID + Velocicalc.
Weather Conditions: overcast 65°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	44
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	78	138	58
Effluent	115	169	26

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

Carbon change-out has been conducted after monitoring

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

Completed By: SM
Title: PE

Sheet 1 of 1
Date: 10/26/11
Time: 11:30AM

Verified By: IY
Title: PE

Type of Monitoring Devices: PID 2000, VELOCICALC
Weather Conditions: SUNNY, CLEAR, CALM

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	30.2
2.	Outlet of Carbon 1	23.1
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	75	143	46
Effluent	125	164	20

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: 11/2/11
Time: 12:00 PM

Verified By: IY
Title: PE

Type of Monitoring Devices: PID 2000, VELOCICALC
Weather Conditions: BREEZY, SUNNY, 77°F, CLEAR

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	44.5
2.	Outlet of Carbon 1	0.4
3.	Outlet of Carbon 2	0.0
4.	System Effluent	0.0

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	74	141	4
Effluent	131	152	22

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

Humidity sensor on Velocicalc could be faulty. Check sensor.

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

Completed By: _____
Title: _____

Sheet 1 of 1
Date: 11-9-11
Time: 11AM

Verified By: KENT VOLLMER
Title: PROJECT MANAGER

Type of Monitoring Devices: _____
Weather Conditions: SUNNY & WARM 72°

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	6.1
2.	Outlet of Carbon 1	3.0
3.	Outlet of Carbon 2	0.2
4.	System Effluent	0

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	81.5	146	12.9
Effluent	119.7	161	16.5

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

Heavy RAIN 11/5 & 11/6.

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

Completed By: SM
Title: PE

Sheet 1 of 1
Date: 11/16/11
Time: 2:05 PM

Verified By: IY
Title: PE

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

Type of Inspection (check only one):

( ) Daily ( ) Weekly ( ) Monthly (X) 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	36.5
2.	Outlet of Carbon 1	24.5
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0.1

	Temperature (°F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	77 → Velocic 67 (INLINE)	142	44
Effluent	115 (112)	159	19

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

Inlet - O_2 = 12.2, CO_2 = 7.4, LEL = 0%

C_1 vessel efficiency, prompted change-out of $C_2 \rightarrow C_1$ & fresh vessel in C_2 location.

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

Completed By: S. AIZAWA
Title: PE, Staff Scientist

Sheet 1 of 1
Date: 11/22/11
Time: 10.30

Verified By: S. McGOUGH
Title: PE

Type of Monitoring Devices: PID (3000) Velocicalc.
Weather Conditions: Sunny ±60° (Heavy Rain on 11-20-11)

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	14.7
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	71	148	39
Effluent	118	170	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: SM
Title: Project Engineer

Sheet 1 of 1
Date: 11/30/2011
Time: 11:20

Verified By: SA
Title: Staff scientist

Type of Monitoring Devices: 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	27.1
2.	Outlet of Carbon 1	7.1
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	74	141	56
Effluent	118	165	16.3

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

Conducted carbon change out. Installed fresh carbon at C2, and moved C2 to C1 position.

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: 12/8/11
Time: 12 Noon

Verified By: S. Aizawa
Title: RPO Staff Scientist

Type of Monitoring Devices: PID
Weather Conditions: Sunny 68°

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	32.4
2.	Outlet of Carbon 1	0.2
3.	Outlet of Carbon 2	0.1
4.	System Effluent	0

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	65	N/A	N/A
Effluent	120	N/A	N/A

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: 12/13/11
Time: 11:15

Verified By: SA
Title: Staff Scientist

Type of Monitoring Devices: PID, Velocicalc
Weather Conditions: Sunny (After heavy rain fall)

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	21
2.	Outlet of Carbon 1	0
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	80	150	37
Effluent	111	175	13.3

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: SA
Title: Staff scientist

Sheet 1 of 1
Date: 12/21/2011
Time: 14:10.

Verified By: SM
Title: Project Engineer.

Type of Monitoring Devices: PID, Velocicale.
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	35.6
2.	Outlet of Carbon 1	20.9
3.	Outlet of Carbon 2	0
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	~~72~~ 75	152	52
Effluent	112	180	25

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: 12/28/2011
Time: 10:30

Verified By: SA
Title: Staff Scientist.

Type of Monitoring Devices: 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	21.4
2.	Outlet of Carbon 1	~~1.4~~ 0.7
3.	Outlet of Carbon 2	~~3.5~~ 0.7
4.	System Effluent	0

	Temperature (^{0}F)	**Air Flow (scfm)**	**Humidity (%)**
Influent	80	141	17
Effluent	110	170	12

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

Del A. 'its
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 1/10/2011
Time: 13:30
Monitored By: C. Alexander S. McGrough
Verified By: S. Aizawa

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	-58 (@C2: before the blower)	0	19.8	2.0	0.2	~~50~~ 100	1.9	153
Carbon Vessel 1	-46	15	20	2.2	over	100	43	62
Post Dilution	-20	7	20	2.0	over	90	35	70
Inlet	-19	17 Vol	4.1	30.6	over	50	33	68

2nd
1st bez Heat

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	19	NA		NA		NA		NA	
Post Dilution	AT2A	15	AT2B	18.5	NA		NA		RH2	53
Inlet	AT5A	104	AT5B	2.8	NA		FT5	10+37 47 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	9
Dilution Rate	FT2	73	

Note: AT5B reading was taken from AT4B
AT5B is not working
Condensate is present at Post Ambient Air.

Del A. . Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 1/24/2011
Time: 2:00 pm

Monitored By: CA + 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	-60 (@C2: before the blower)	0	18.6	3.0	0.1	92	1.9	161
Carbon Vessel 1	-50	0	18.5	3.0	0.8	88	16.4	82
Post Dilution	-25	12	18.6	3.0	over.	92.0	19.2	75
Inlet	-22	16.5V	4.4	27.0	Over.	49.5	21	75

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	17.9	AT06	0.4	NA		NA	
Carbon Vessel 1	AT3A	1%	NA		NA		NA		NA	
Post Dilution	AT2A	21%	AT2B	17	NA		NA		RH2	45
Inlet	AT5A	104%	AT5B	3%	NA		FT5	10+37 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	~~12~~ 10	12.0
Dilution Rate	FT2	83	

Note:

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 02/08/2011
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	-60 (@C2: before the blower)	0	19.1	2.8	0.1	~~46~~ 92	~~54~~ 2.0	~~67~~ 155
Carbon Vessel 1	-48	2	19.2	2.6	over.	~~90~~ 92	~~52~~ 38	~~69~~ 76
Post Dilution	-26	9	19.4	2.2	over.	90	52	69
Inlet	-24	16 ✓	~~16~~ 5.5	27.0	over.	46	54	67

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	10.7	AT06	0.8	NA		NA	
Carbon Vessel 1	AT3A	6	NA		NA		NA		NA	
Post Dilution	AT2A	16	AT2B	10.4	NA		NA		RH2	.70
Inlet	AT5A	104	AT5B	4	NA		FT5	39 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	8	11
Dilution Rate	FT2	69	

Note:

Del A. Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 2/23/2011
Time: 11:45

Monitored By: CA 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	19.0	3.2	0.1	95	0.9	152
Carbon Vessel 1	-50	12	18.9	3.1	over	93	43	64.5
Post Dilution	-26	12	19.2	2.6	over	95	45	64.7
Inlet	-26	15.5	6	>5	over	43	47	62

Station	In-line Sensors									
	LEL C_nH_n (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18%	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	15%	NA		NA		NA		NA	
Post Dilution	AT2A	17%	AT2B	18%	NA		NA		RH2	68
Inlet	AT5A	104	AT5B	5%	NA		FT5	10+31 41 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	12
Dilution Rate	FT2	52%	

Note:

Del A[illegible] Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 3/9/11
Time:
Monitored By: CA
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	18.4	4.6	0.2	88	~~10~~ 0.8	170
Carbon Vessel 1	~~-62~~ -30	0	18.5	4.8	0.4	88	26	84
Post Dilution	~~-50~~ -26	9	18.1	5.4	over.	90	26	82
Inlet	-25	8.5 V	5.5	X60	over	~~35~~ 42	33	78.5

Station	In-line Sensors									
	LEL C_nH_n (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18	AT06	0.4	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	15	AT2B	17	NA		NA		RH2	47
Inlet	AT5A	104	AT5B	3	NA		FT5	9+33 $\boxed{42}$ (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	13
Dilution Rate	FT2	89	

Note:

Del A. Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 3/22/2011
Time: 10:15

Monitored By: CA Verified By: SA

velocicalc order

	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
5	Effluent	-62 (@C2: before the blower)	0	19.5	2.2	0.1	~~38~~ 100	~~42~~ 0.5	~~60~~ 148
2	Carbon Vessel 1	-50	0	19.5	2.2	0.1	92	38.2	66.7
3	Post Dilution	-24	8	19.6	2.0	Over	95	42.5	63.8
1	Inlet	-23	16.5 ✓	4.9	23.4	Over	38	42	60

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.1	AT06	0.3	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	5	AT2B	18.2	NA		NA		RH2	72
Inlet	AT5A	104	AT5B	3.7	NA		FT5	7+29 36 (FT1+FT4)	NA	

	Station	In-line Sensors		Velocicalc (scfm)
4	Treatment Rate	FT1	6	10
	Dilution Rate	FT2	61	

Note:

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 4/5/2011
Time: 12:15

Monitored By: CA Verified By: SA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	-60 (@C2: before the blower)	0	19.3	2.4	0.2	~~38~~ 91	~~53.5~~ 2.5	~~70.9~~ 160.8
Carbon Vessel 1	-50	6	19.3	~~over~~ 2.4	over.	88.6	44.3	77.1
Post Dilution	-24	11	19.2	2.4	over.	92.3	47.8	73
Inlet	-22	14.5 V	6.9	19.2	over.	38	53.5	70.9

Station	In-line Sensors									
	LEL C_nH_m (%)		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	9	AT2B	18.5	NA		NA		RH2	71
Inlet	AT5A	104	AT5B	4.2	NA		FT5	8 + 29 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	8	12
Dilution Rate	FT2	72	

Note:

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 4/20/2011
Time: 12:30 PM

Monitored By: SM

Verified By: CA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Effluent	-58.0 (@C2: before the blower)	0	18.4	2.8	0.2	~~[illegible]~~ 87	2.2	155.7
Carbon Vessel 1		0	19.0	2.8	0.2	86.2	39	82.3
Post Dilution	-24.0	15	18.8	3.0	15K over	88.7	54.9	73.7
Inlet	-20.0	13.5V	7.0	20.2	15K over	46	56	69

Station	In-line Sensors									
	LEL C_nH_n (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	-1% (NA)?	NA		NA		NA		NA	
Post Dilution	AT2A	7	AT2B	19	NA		NA		RH2	79%
Inlet	AT5A	104	AT5B	4	NA		FT5	31 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	
Dilution Rate	FT2	60	

Note:

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 5/4/2011
Time: 1:00pm
Monitored By: CA
Verified By: IY

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (In. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-18.0	14.5 v	6.2	20.0	15000 over	45.2	14.6	90.6
Post Dilution	-20.0	10	18.8	2.6	15000 over	84.3	25.1	93.7
Carbon Vessel 1	-57.0	0	18.8	2.6	98.2	84.1	24.2	95.0
Effluent	Post Blower = 2.0 @ Blower = -59 (@C2: before the blower)	0	18.8	2.6	0.1	85.0	2.4	179.5

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	0	NA		NA		NA		NA	
Post Dilution	AT2A	10	AT2B	18	NA		NA		RH2	42
Inlet	AT5A	104%	AT5B	5	NA		FT5	9+40=49 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	14.1
Dilution Rate	FT2	97	

Note:

Del A...Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 5/19/2011
Time: 9:30

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
Inlet	-20	13.5 ✓	7.2	20.6	Over.	47	61	66
Post Dilution	-22	11	19.1	2.4	Over.	92	59.5	65.7
Carbon Vessel 1	-50	10	19.2	2.4	Over.	93	55	67
Effluent	-60 (@C2: before the blower)	0	19.2	2.4	0	95	1.8	153

Station	In-line Sensors									
	LEL C_5H_{12} (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.0	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	13	NA		NA		NA		NA	
Post Dilution	AT2A	10	AT2B	18.6	NA		NA		RH2	80
Inlet	AT5A	104	AT5B	4.9	NA		FT5	10 + 34 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	12
Dilution Rate	FT2	62	

Note:

Del A Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 6/1/2011
Time: 11:30 AM

Monitored By: S. AIZAWA

Verified By: S. Mc GOUGH

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-20	14.0V	7.3	20.6	over	45	41	73
Post Dilution	-22	12	19.0	2.6	over	90	43	71
Carbon Vessel 1	-50	0	19.2	2.6	0.1	90	37	77
Effluent	-60 (@C2: before the blower)	0	19.2	2.4	0.1	98	1.2	159

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	4.9	AT06	.4	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	9	AT2B	18.5	NA		NA		RH2	71
Inlet	AT5A	104 ~~105~~	AT5B	18.1	NA		FT5	44 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	~~12~~ 9	12
Dilution Rate	FT2	66	

Note:
- AT 1B O2 Sensor needs to be replaced

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 6/16/11
Time: 11:30 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
Inlet	22	11.5 ✓	7.1	20.8	OVER	47	63	70
Post Dilution	24	4	19.2	2.4	OVER	95	75	69
Carbon Vessel 1	50	0	19.5	2.4	432	91	67	69
Effluent	60 (@C2: before the blower)	0	19.2	2.4	0.3	93.8	3.0	153.5

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.2	AT06	1.0	NA		NA	
Carbon Vessel 1	AT3A	~~18.27~~	NA		NA		NA		NA	
Post Dilution	AT2A	~~18.69~~	AT2B	18.6	NA		NA		RH2	93
Inlet	AT5A	~~4.8~~ 104	AT5B	4.8	NA		FT5	10+32 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	12
Dilution Rate	FT2	64	

Note: Slight DRIZZLE while MONITORING.
59°F

Del. Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 06/29/11
Time: _____

Monitored By: SM Verified By: SA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-20	10.5 ✓	7.6	19.8	Over	45	47.5	80
Post Dilution	-22	3	18.8	2.4	Over	93	54	76
Carbon Vessel 1	-48	1	19.2	2.4	Over	90	49	80
Effluent	-60 (@C2: before the blower)	0	18.7	2.4	0.2	87	3.3	163

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	9	NA		NA		NA		NA	
Post Dilution	AT2A	7	AT2B	18.2	NA		NA		RH2	76
Inlet	AT5A	104	AT5B	4.9	NA		FT5	10 + 36 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	11.5
Dilution Rate	FT2	75	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 7/14/11
Time: 1420

Monitored By: SM

Verified By: IY

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (In. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-21	11.0 V	8.4	18.4	489 MAX (1) 15000 OVER (3)	48	54	77
Post Dilution	-23	4	18.8	2.6	489 MAX (1) 15000 OVER (3)	87.5 ~~10.95~~	47.	82
Carbon Vessel 1	-47	Ø	19.2	2.4	0.0	88	44	82.
Effluent	-59 (@C2: before the blower)	Ø	18.5	2.4	0.0	89.4	3	160°

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	NA	AT06	0.8	NA		NA	
Carbon Vessel 1	AT3A	Ø	NA		NA		NA		NA	
Post Dilution	AT2A	8	AT2B	18	NA		NA		RH2	76
Inlet	AT5A	104	AT5B	5	NA		FT5	43	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	10	10.95
Dilution Rate	FT2	75	

(FT1+FT4)
10+39

Note:
- monthly lab samples collected
- need to recalibrate repair a few O_2/LEL meters

Del A[illegible] Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 7/27/11
Time: 12:00

Monitored By: SM Verified By: JA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-20	14.5 V	8.0	19.2	Over	46	~~80~~ 51	80
Post Dilution	-22	12	18.9	2.4	Over	87	~~83~~ 49	83
Carbon Vessel 1	-48	6	19.3	2.2	Over	86	~~85~~ 39	85
Effluent	-58 (@C2: before the blower)	0	18.5	2.4	0	89	2.8	165

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	NA	AT06	0.7	NA		NA	
Carbon Vessel 1	AT3A	13	NA		NA		NA		NA	
Post Dilution	AT2A	41	AT2B	19.1	NA		NA		RH2	69
Inlet	AT5A	104	AT5B	5.0	NA		FT5	9 + 40 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	12
Dilution Rate	FT2	76	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 8/10/11
Time: 12:30pm
Monitored By: S. McGEOUGH
Verified By: S. AIZAWA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-20	15 V	8.0	19.8	Over	44.5	45	81
Post Dilution	-24	12	19.1	2.4	Over	84.9	41	82
Carbon Vessel 1	-48	~~8~~	19.6	2.0	over	82.6	~~55~~ 41	85
Effluent	-58 (@C2: before the blower)	0	19.6	2.2	0.2	81.7	3.5	150.2

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.5	AT06	0.8	NA		NA	
Carbon Vessel 1	AT3A	10	NA		NA		NA		NA	
Post Dilution	AT2A	13	AT2B	18.4	NA		NA		RH2	72
Inlet	AT5A	104	AT5B	~~5~~ 6.8	NA		FT5	~~74~~ 41 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	9.8
Dilution Rate	FT2	75	

Note:

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 8-24-11
Time: 11:00

Monitored By: SM / JR

Verified By: _____

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-20	15.0V	7.8	19.6	OVER	48.5	54	71.5
Post Dilution	-22	11	19.1	2.2	OVER	87.5 ~~72~~	~~48~~ 40	79 ~~86°~~
Carbon Vessel 1	-48	0	19.0	2.4	0.2	81	40	87
Effluent	-58 (@C2: before the blower)	0	19.0	2.4	0.1	96	3	168

Station	In-line Sensors									
	LEL C_xH_x (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19	AT06		NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	12	AT2B	18	NA		NA		RH2	75
Inlet	AT5A	104	AT5B	7	NA		FT5	41 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	~~9~~	12
Dilution Rate	FT2	1575	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 09/08/11

Time: _____

Monitored By: SM

Verified By: SA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-22	14.0 ✓	8.4	18.4	over	50	44	87
Post Dilution	-24	13.0	19.3	2.4	Over	87	~~8~~45	88
Carbon Vessel 1	-48	6	19.3	2.4	over	88	41	90
Effluent	-60 (@C2: before the blower)	0	19.4	2.4	0	87	2.8	174

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	18.9	AT06	0.5	NA		NA	
Carbon Vessel 1	AT3A	10	NA		NA		NA		NA	
Post Dilution	AT2A	11	AT2B	18.1	NA		NA		RH2	63
Inlet	AT5A	104	AT5B	6.7	NA		FT5	9+43 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	13
Dilution Rate	FT2	88	

Note:

Del A Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 9/21/2011
Time: 1PM

Monitored By: I JUSKO

Verified By: S. MC GROUGH.

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
Inlet	-22	15.0 V.	8.1	19.4	15000 Max	47.5	76.4	78.6
Post Dilution	-24	10.	19.6	2.2	15000 Max.	91.0	58.3	78.8
Carbon Vessel 1	-48	11	19.5	2.2	15000 Max	90.8	53	80.6
Effluent	-60 (@C2: before the blower)	0.	19.7	2.2	0.2	94.6	3.7	16.5

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19	AT06	1.2	NA		NA	
Carbon Vessel 1	AT3A	10	NA		NA		NA		NA	
Post Dilution	AT2A	8	AT2B	18	NA		NA		RH2	74.
Inlet	AT5A	104	AT5B	7	NA		FT5	36 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	7	10.6.
Dilution Rate	FT2	74	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 10/6/11
Time: 1:15

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
Inlet	-20	13.5 V	8.7	18.6	Over	39.5	N/A *	75.2
Post Dilution	-20	7	20.3	1.8	Over	90	NA *	77
Carbon Vessel 1	-46	0	20.2	1.8	0.1	NA	NA *	NA
Effluent	-60 (@C2: before the blower)	0	20.4	1.8	0	95	NA *	160

*

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.4	AT06	0.2	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	6	AT2B	19.3	NA		NA		RH2	70
Inlet	AT5A	104	AT5B	7.5	NA		FT5	6+38=44 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	6	8.0
Dilution Rate	FT2	72	

Note:
* USED Velocicalc with No HUM READING
This Velocicalc Does Not fit C1 PORT

Del A... Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 10/18/2011
Time: 11:45

Monitored By: SA Verified By: JM

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-26	14 V	8.1	20.6	Over	46	65	70.5
Post Dilution	-26	15	19.2	3.0	Over	84	69.4	74.8
Carbon Vessel 1	-50	0	19.5	2.8	0.1	83	56.5	76
Effluent	-60 (@C2: before the blower)	0	19.4	2.8	0.1	103	1.4	167

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.7	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	10	AT2B	18.4	NA		NA		RH2	85
Inlet	AT5A	104	AT5B	7.4	NA		FT5	8+35 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	8	10.6
Dilution Rate	FT2	60	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 11-2-11
Time: 1:00 pm

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
Inlet	-26	14.0 V	8.3	19.4	478 Max 15000 over	47	9.2	84.2
Post Dilution	-28	16	18.5	3.0	478 Max 15000 over	81.8	5.6	86.5
Carbon Vessel 1	-50	7	18.6	3.0	478 Max 15000 over	90.1	6.0	83.9
Effluent	-62 (@C2: before the blower)	Ø	18.8	3.0	0.1	89.2	1	174

Station	In-line Sensors LEL C_4H_8 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19	AT06	0.5	NA		NA	
Carbon Vessel 1	AT3A	7	NA		NA		NA		NA	
Post Dilution	AT2A	12	AT2B	18	NA		NA		RH2	34
Inlet	AT5A	104	AT5B	7	NA		FT5	8+38=46 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	8	10.2
Dilution Rate	FT2	84	

Note:

Del A...o Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 11/16/11
Time: 2:35 PM

Monitored By: SM

Verified By: IY

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-26	14.0 V	8.3	20.4	470 MAX / 15000 OVER	44.5	50	73.5
Post Dilution	-28	17	18.6	3.0	470 MAX / 15000 OVER	86.6	50.4	74.5
Carbon Vessel 1	-52	15	18.6	3.0	470 MAX / 15000 OVER	86.2	52.4	72.4
Effluent	-62 (@C2: before the blower)	Ø	18.4	2.8	0.4/0.4	86.0	2.9	158.5

Station	In-line Sensors									
	LEL C_nH_n (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19	AT06	1.4	NA		NA	
Carbon Vessel 1	AT3A	12 %	NA		NA		NA		NA	
Post Dilution	AT2A	18 %	AT2B	17	NA		NA		RH2	72
Inlet	AT5A	104	AT5B	0 *	NA		FT5	38 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	10.2
Dilution Rate	FT2	61	

Note: AT5B FAULTING

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 11/30/2011
Time: 11:40

Monitored By: SM

Verified By: SA

Station	Magnehelic	RKI Eagle			PID	Velocicalc		
	Pressure (in. H2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOC (ppm)	Flow Rate (scfm)	Humidity (%)	Temperature
Inlet	-24	13.5 V	8.6	19.6	Over.	45.1	67	68.5
Post Dilution	-26	17	18.6	3.2	Over.	81.5	58	72
Carbon Vessel 1	-50	0	18.9	3.0	0	83	52	75
Effluent	-62 (@C2: before the blower)	0	18.4	3.2	0	103	1.5	162

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	20.0	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	0	NA		NA		NA		NA	
Post Dilution	AT2A	22	AT2B	18.3	NA		NA		RH2	79
Inlet	AT5A	104	AT5B (AT4B)	7.5	NA		FT5	9+33=42 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	13
Dilution Rate	FT2	60	

Note:

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 12/13/11
Time: 11:30

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
Inlet	-22	14 V	8.2	19.6	MAX	40	44	66
Post Dilution	-25	15	18.3	2.8	MAX	89	48	63
Carbon Vessel 1	-50	5	18.2	3.0	MAX	95	43	68
Effluent	-63 (@C2: before the blower)	0	18.2	2.8	0	98	0.9	154

Station	In-line Sensors									
	LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	19.8	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	10	NA		NA		NA		NA	
Post Dilution	AT2A	23	AT2B	18.3	NA		NA		RH2	74
Inlet	AT5A	104	AT5B	7.0	NA		FT5	9+27 (FT1+FT4)	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	9	14
Dilution Rate	FT2	51	

Note: AT5B, O2 sensor is down, reading is from AT4B.

Del Amo Pits
SVE/IBT Enclosure Monitoring Form
Torrance, CA

Date: 12/28/2011
Time: 9:30 am

Monitored By: S. AIZAWA

Verified By: S. Mc GEOUGH

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
Inlet	-18	10 ✓	8.5	19.0	Over.	47.5	35	61
Post Dilution	-20	6	19.8	1.8	Over.	92.5	27	68
Carbon Vessel 1	-46	7	19.7	2.0	Over.	97.5	27.5	66
Effluent	-60 (@C2: before the blower)	0	19.0	1.8	0.2	110	1.1	150

Station	In-line Sensors LEL C_6H_6 (%)		Oxygen (%)		VOCs (ppm)		Flow Rate (scfm)		Humidity (%)	
Effluent	NA		AT3B	20.3	AT06	0.6	NA		NA	
Carbon Vessel 1	AT3A	13	NA		NA		NA		NA	
Post Dilution	AT2A	13	AT2B	19.9	NA		NA		RH2	58
Inlet	AT5A	104	~~AT5B~~ AT4B	5.4	NA		FT5 (FT1+FT4)	NA.	NA	

Station	In-line Sensors		Velocicalc (scfm)
Treatment Rate	FT1	NA	9.3
Dilution Rate	FT2	50	

Note: FT1 Flowmeter is not working.
AT5B O_2 sensor is not working.

Date: 3/22/2011

Monitored By: CA/SA/SM/IY

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

2 MIN PURGE

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1	-12	10.5 V	10.6	6.6	Over.	
2	-6.5	14 V	2.9	27.8	Over	
3	+7.5	15 V	4.5	26.8	Over.	
4	+9.5	10 V	18.5	18.4	Over.	
5	-4.5	25 V	6.5	26.4	Over	Take pressure
6	-13.5	21.0 V	6.3	7.4	OVER	-60 Vac
7	-10.0	36.5 V	5.6	19.2	OVER	-24 Vac.
8	+10.0	15 V	5.5	21.8	over	-40 Vac.
9	+5.5	13.5 V	7.0	25.6	over.	
10	-6.0	43.5 V	6.5	22.8	OVER.	
11	-4.5	83	0.9	34.4	Over.	
12	-19.0	65	5.6	20.4	Over	
13	-0.75	7.5 V	5.3	1.8	OVER	-50 Vac.
14	-0.50	1	6.5	10.6	OVER	-50 Vac.
15A	-0.76	13	0.7	13.2	OVER.	-35 Vac
15B	-0.40	0	9.0	8.4	36.7	-60 mbl Vac.
16	-0.30	17	0	10.8	OVER.	-24 water Vac -30 after 1.5 mins
17	-0.35	0	1.5	14.0	8.8	-10 inches Vacuum
18	-0.25	0	11.1	8.4	0.2	
19	-0.25	0	0	14.2	231	-10 Vac.
20A	-21.0	9	5.7	9.0	OVER.	-82 Vac.
20B	-0.55	27	0.1	14.6	OVER.	-42 Vac
21	-0.55	5	5.4	11.0	267	-46 Vac

- 6.

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

Date: 3/23/2011

Monitored By: SA

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13					7300	
14					652	
15A					1700	
15B					39	
16					2236	
17					9	
18					103	
19					224	
20A					1172	
20B					1215	
21					196	

SVE/IBT
Perimeter Well Monitoring Form
Del Amo Pits

Date: 3/22/2011

Monitored By: CA/SM/SA/14

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	-0.05	0	19.1	1.2	0	
B	-0.20	0	10.0	12.8	5.3	Water in Well Box.
C	-0.10	0	4.9	16.0	0.1	
D	-0.05	0	20.9	0.	0	
E	-0.25	0	12.4	3.6	0	
F	-0.25	0	13.3	3.6	0	
G	-0.10	0	16.3	1.8	0	
H	-0.10	0	15.4	3.0	0.2.	
I	-0.02	0	19.2	0.6	0.1	
J	-0.06	0	15.8	1.8	0.2	
K	0	0	17.0	1.4	0	
L	0	0	14.8	4.2	0.1	

Date: 3/22/2011

Monitored By:

SVE/IBT
Cluster Well Monitoring Form
Del Amo Pits

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A"1	-0.15	0	18.6	1.8	0.1	
A"2	-0.20	0	20.3	0.6	0	
A"3	-0.30	0	16.7	1.8	0.5	
B"1	+1.05	9.0V	7.7	28.4	OVER	
B"2	+0.10	34.0V	11.8	18.6	OVER	
B"3	+0.5	39V	8.0	23.6	OVER	
C"1	-0.9	3	19.2	0	131	Tight Wells
C"2	-0.80	0	~~18.4~~	~~1.0~~	46	0 (15.1 O2) " 4.2 (CO2)
C"3	-0.85	3	18.1	1.8	OVER	" "
D"1	+1.05	15.5V	0.6	15.4	OVER	"
D"2	-0.50	5	18.9	0.8	8	Tight Well
D"3	-1.00	10	4.0	8.4	OVER	
E"1	-0.05	0	20.9	0	0.2	
E"2	-0.30	0	15.4	1.6	0.4	
E"3	-0.05	0	20.9	0	0	
F"1	-0.3	0	20.9	0	0.7	Tight Well.
F"2	-0.2	0	20.9	0	0.9	
F"3	-0.08	0	20.9	0	1.1	
G"1	-0.25	0	14.9	3.6	0	
G"3	-0.20	0	19.3	1.2	0	
G"2	-0.15	0	17.1	0.6	0	Water in Well box
H"1	-0.60	0	20.9	0	0	
H"2	-0.10	0	20.9	0	0.1	
H"3	-0.15	0	8.8	7.6	0.1	
I"1	-0.45	0	0	15.0	350	
I"2	-0.05	0	20.9	0	0.5	Tight Well.
I"3	-0.40	0	20.9	0	1.1	
J"1	-0.25	0	20.9	0	1.1	Tight Well
J"2	+0.05	0	20.9	0	0.9	" "
J"3	-0.35	0	3.9	14.0	1.3	
K"1	-0.30	0	18.5	1.2	1.7	
K"2	-0.50	0	7.4	10.6	0.9	
K"3	-0.05	0	20.9	0	5.8	
L"1	+1.05	40.0V	4.1	21.8	OVER	
L"2	+0.25	44.0V	0.8	29.4	OVER	
L"3	+0.55	20.5V	11.2	12.0	45.0	Tight Well.
M"1	-0.65	0	5.2	16.2	60.0	
M"2	-0.15	0	3.0	23.4	18.5	
M"3	-0.05	0	20.3	0	25.7	

Date: 3/22/2011

SVE/IBT
Vacuum Performance Well Monitoring Form
Del Amo Pits

Monitored By: _____

Well ID	Pressure (In. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A'	-1.05	12.0 V	6.9	12.8	OVER	
B'	-0.20	7	1.8	26.4	15K OVER	2 PID 3000
C'	+1.95	60 V	4.3	28.2	OVER	
D'	-1.1	50 V	0.0	17.4	OVER	
E'	-0.58	0	3.4	12.0	1.1	
F'	-0.58	0	8.9	9.8	1.0	
G'	-0.30	0	20.9	0	0.2	
H'	-0.25	0	14.3	5.6	0.5	
I'	+0.10	63	0.4	3.6	OVER	Take Pressure After time System on.
J'	-0.20	0	20.3	0.2	1.6	
K'	-0.35	0	5.7	11.2	1.3	
L'	-0.55	0	19.6	0.4	1.1	
M'	-0.20	23 V	7.5	17.6	OVER	
N'	+0.65	48.0 V	5.5	27.6	OVER	

SVE/IBT
Perimeter Well Monitoring Form
Del Amo Pits

Date: 6-13-11

Monitored By: SA, JR

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	-0.06	0 ~~0~~	19.6	1.0	0	LEL = 0
B	-0.02	0	12.4	11.8	6.5	
C	-0.01	0	3.9	17.0	0.2	
D	0	0	20.0	0.8	0	
E	-0.03	0	14.5	4.2	0	
F	-0.12	0	15.1	4.0	0.1	
G	-0.10	0	17.8	2.2	0	
H	0	0	16.8	3.0	0.1	
I	-0.05	0	18.9	1.8	0	
J	0	0	~~20.9~~	~~0~~ 2.4	0.3	O2 = 16.8
K	-.05	0	18.0	2.4	0	
L	0	0	13.4	6.6	0.2	

SVE/IBT
Vacuum Performance Well Monitoring Form
Del Amo Pits

Date: 6-13-11

Monitored By: SA, JR

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A'	-0.90	9 V	6.5	11.6	Over	
B'	-0.02	2	1.9	26.2	Over.	PID1 = 656.
C'	+1.50	60.5 V	3.0	25.2	over.	
D'	-0.40	49 V	0	15.4	over	
E'	-0.05	0	3.9	10.6	0.3	
F'	-0.05	0	9.4	8.6	0.6	
G'	-.05	0	~~5~~ 3.8	12	0.7	
H'	-.05	0	14.4	4.8	0.9	
I'	-0.1	43	0.9	3.6	Over.	
J'	-0.1	0	18.8	1.0	4.1	
K'	-0.1	0	9.3	7.4	0.8	
L'	-0.~~1~~15	0	20.2	0.6	1.5	
M'	-0.1	24 V	5.3	19.8	Over	
N'	+0.90	42 V	6.1	23.6	Over	

SVE/IBT
Cluster Well Monitoring Form
Del Amo Pits

Date: 6-14-11

Monitored By: St, JR, SM

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A"1	-0.08	0	19.6	1.8	0	
A"2	-0.12	0	20.9	0	0	tight.
A"3	-0.20	0	20.9	0	0	tight
B"1	+1.50	~~49 V~~	~~12.4~~	~~18.8~~	over	LEL = 9.0 V, O_2 = 7.6, CO_2 = 25.2
B"2	+0.64	49 V	12.4	18.8	over	
B"3	+0.90	36.5 V	8.8	22.8	over	
C"1	-0.80	0	20.6	0	0.2	
C"2	-0.20	0	13.2	6.0	93	
C"3	-0.20	0	20.9	0	1.6	
D"1	-0.45	7	9.2	5.4	over.	
D"2	-0.2	0	20.9	0	0.1	
D"3	-0.3	0	6.4	7.6	over	PID 1 = 715
E"1	-0.02	0	20.9	0	0	
E"2	-0.04	0	19.1	2.4	0	
E"3	-0.01	0	20.9	0	0.1	
F"1	-0.05	0	20.9	0	0	
F"2	-0.05	0	20.9	0	0.7	
√ F"3	-0.05	0	20.9	0	9.5	√ tight
G"1	-0.02	0	14.6	3.6	0	
G"2	-0.01	0	~~17~~ 18.8	1.8	0	
G"3	-0.02	0	20.9	0	0	
H"1	-0.6	0	20.9	0	0	Tight
H"2	-0.1	0	20.9	0	0	
H"3	0	0	10.6	6.6	0	
I"1	-0.15	0	0	14.2	166	
√ I"2	-0.05	0	20.9	0	~~16~~ 0	√ tight
I"3	-0.1	0	19.2	0.6	0.7	
J"1	-0.05	0	20.9	0	0.3	
J"2	-0.05	0	20.9	0	0.3	
J"3	-0.05	0	3.0	13.6	0.6	
K"1	-0.05	0	18.3	2.2	1.1	
K"2	-0.1	0	9.3	9.6	1.1	
K"3	+0	0	20.9	0	0.9	
L"1	+1.50	48 V	3.1	22	over.	
L"2	0	35 V	0.8	26.4	over	
L"3	+0.34	0	19.3	0	0.6	
M"1	-0.12	0	7.8	14.8	27	
M"2	-0.14	0	4.2	22.6	8.8	
M"3	0	0	20.2	0	16.9	

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

Date: 6-13-11 / ~~6-14-11~~

Monitored By: SA, JR, SM

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1	-16	6.5V	12.2	5.6	over	
2	-5.0	11.5V	~~5.0~~ 4.6	24.0	over	
3	+8.5	9.0V	8.0	23.0	over	
4	+9.0	8.7V	32.3	16.0	over	
5	-3.0	17.5V	12.4	21.4	~~400~~ over	
6	-16	11V	9.8	6.6	over	
7	~~-6.5~~	27.6	5.4	16.4	over	pressure ~~peak~~ -7
8	+10	8.5V	9.4	16.6	over	
9	+8.5	9.5V	7.2	23.0	over	
10	-16	32.5V	7.5	20.0	over	
11	-15.0	65V	1.3	30.8	over	
12	~~-12~~	~~11V~~ 21	~~9.8~~	~~6.6~~	over	P = -18 O_2=12.1 CO_2=11.2
13	-0.2	~~5.5~~ 5V	~~6.0~~	~~1.8~~ 2.0	over	O_2 = 4.6
14	+0.25	0	7.3	9.0	365	
15A	-0.1	~~5.5~~ 6	4.5	11.0	over	
15B	-0.1	0	~~4.1~~ 3.4	~~12~~ 12.8	54	
16	-0.1	7	3.1	9.0	over	
17	-0.1	0	2.4	13.4	5.0	
18	-0.1	0	11.9	7.6	0	
19	-0.1	0	1.2	13.8	182	
20A	-18	2	8.6	7.6	635	
20B	-0.1	12	2.8	13.0	over	
21	-0.1	0	8.4	9.4	180	

SVE/IBT
Full Scale Monitoring Form
Del Amo Pits

Date: 8-30-11

Monitored By: SM/JR

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	0	0	19.4	1.0	0	
B	0	0	13.1	10.6	~~0~~ 13.1	
C	0	0	7.7	16.2	2.0	
D	0	0	20.8	0	~~0~~ 1.3	
E	0	0	15.7	4.6	0.5	
F	-0.01	0	16.2	4.0	1.1	
G	-0.05	0	18.7	2.4	0.2	
H	0	~~0~~ 0	17.2	3.2	0.1	
I	0	~~0~~ 1	18.1	1.8	0	
J	-0.01	34	17.8	2.8	0	2nd time *9 LEL 17.6 O_2 2.8 CO_2
K	#0	1	10.3	2.6	0	
L	0	3	13.0	7.2	0.1	
A'	-0.06	11.0 ✓	7.5	10.6	over	
B'	0	9	6.8	19.2	400	
C'	+1.5	70.5 ✓	3.2	23.6	430	
D'	-.5	52.5 ✓	0.1	13.6	over	
E'	0	0	8.1	7.8	0.3	
F'	-0.25	0	~~13.4~~ 11.2	~~5.8~~ 6.6	0.6	
G'	-0.05	0	3.6	12.2	0.6	
H'	0	0	13.0	6.4	0.3	
I'	-0.05	54	1.6	3.2	over	
J'	-0.05	0	19.1	1.0	1.8	
K'	-0.05	0	12.8	5.0	0.7	
L'	-0.1	0	13.6	6.0	1.6	
M'						Bee Nest.
N'	+.25	28 ✓	8.2	18	over	
A"1	-0.05	0	19.4	2.2	0	
A"2	0	0	20.3	0.4	0	tight well, purged w/ instruments
A"3	-0.1	0	20.4	0.2	0	" "
B"1	+1.6	13 ✓	6.6	24.6	~~400 over~~	
B"2	+.55	58 ✓	11.6	18.2	~~400 over~~	VOC = 400
B"3	+.9	42 ✓	7.2	21.8	over	
C"1	-0.25	0	20.1	0	1.4	
C"2	-0.25	0	17.2	2.4	1.7	
C"3	-0.25	0	20.3	0	1.5	
D"1	-0.01	11 ✓	1.0	13.8	over	
D"2	-0.25	0	20.6	0	~~314~~ 8	
D"3	-0.50	3	7.3	7.8	314	
E"1	0	0	20.9	0	0.4	
E"2	0	0	19.7	1.2	0.4	
E"3	-0.01	0	20.9	0	0.8	
F"1	-0.05	0	20.4	0	~~3.0~~ 0.2	
F"2	-0.05	0	20.0	0.4	~~3.4~~ 0.2	
F"3	-0.05	0	20.8	0	0.3	

SVE/IBT
Full Scale Monitoring Form
Del Amo Pits

Date: 8-30-11

Monitored By: SM / JR

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
G"1	-0.01	0	14.9	3.4	0.2	
G"2	-0.01	0	18.9	1.4	0.1	
G"3	-0.01	0	20.5	0	0.2	
H"1	0	0	20.9	0	0.1	
H"2	-0.05	0	20.6	0.2	0.1	
H"3	0	0	11.4	6.4	0.1	
I"1	-0.1	0	0	14.0	105	
I"2	0	0	20.9	0	1.5	
I"3	-0.05	0	19.2	0.6	1.2	
J"1	0	0	20.6	0	0.3	
J"2	0	0	20.4	0	0.4	
J"3	0	0	7.6	9.8	0.8	
K"1	-0.05	0	19.9	0.8	6.5	
K"2	-0.1	0	12.6	7.0	13.0	
K"3	-0.05	0	20.8	0	8.4	
L"1	+1.5	48.5V	3.3	21	Over	
L"2	+1.0	25 V	6.6	17.2	Over	
L"3	+0.6	0	20.1	0	500	
M"1	-0.05	0	6.7	16.8	10.1	
M"2	-0.1	0	3.1	24.8	4.2	
M"3	0	0	20.9	0	4.1	

15
24
12
66

SVE/IBT
Full Scale Monitoring Form
Del Amo Pits

Monitored by: 8-30-11
Date: SM / JR

Well ID	Pressure (in. H20)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm) Mini RAE 2000	VOCs Mini RAE 3000	Note
1	-10	10.5V	11.9	6.2	OVER	OVER	
2	-4	14.5V	3.5	25.6	OVER	OVER	
3	+8	14.5V	10.0	19.4	OVER	OVER	
4	+6	4	40.0	0.4	180	281	
5	-4	17.5V	17.1	21.2			
6	+14	15.0V	11.6	5.6	OVER	OVER	
7	-12	29.0V	7.5	15.0	OVER	OVER	
8	+10	12.5V	11.3	18.6	OVER	OVER	
9	+6	14.5V	10.1	19.8	OVER	OVER	
10	-12	48.5V	5.1	22.0	OVER	OVER	
11	-14	5.5V	0.3	30.4	OVER	OVER	
12	-12	62	9.7	16.0	OVER	OVER	
13	0	+	~~6.4~~	~~9.4~~	~~122~~ over	~~171~~	~~O2 = 7.8~~ LEL=6.5V O2=5.0 CO2=1.8
14		2	11.0	6.6	200	370	
15A		17	1.1	13.2	OVER	OVER	
15B		1	3.2	12.4	76	108	
16		~~-3~~ 15	~~14.6~~ 0.1	~~3.0~~ 10.4	OVER	OVER	
17		0	~~10.5~~ 10.0	7.2	5.5	8.2	O2=2.0 CO2=13.2
18		0	~~15.7~~	~~4.0~~	0.5	0.4	O2=10.4 CO2=8.2
19		1	6.4	9.4	122	171	
20A	-14	9	9.8	6.8	442	OVER	
20B		18	4.3	11.4	OVER	OVER	
21		3	11.0	7.4	84	108	

SVE/IBT
Perimeter Well Monitoring Form
Del Amo Pits

Date: 12/6/11

Monitored By: SA/SM/IY/KV

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A	-0.05	0	19.9	0.6	0	
B	-0.05	0	14.7	9.4	0.4	
C	0	~~0~~ 0	~~5.8~~ 10.6	~~2~~ 15.2	0.3	
D	-0.05	0	19.4	1.4	0.1	
E	0	0	16.9	4.0	0	
F	-0.05	0	17.1	3.6	0.1	
G	-0.10	0	19.1	2.2	0.1	
H	-0.05	0	~~15.8~~	~~3.4~~	0.1	O_2 = 17.8 CO_2 = 3.2
I	0	0	19.6	1.4	0.1	
J	-0.05	0	19.2	1.8	0	
K	0	0	19.0	2.0	0	
L	0	0	15.6	4.8	0.1	

SVE/IBT
Vacuum Performance Well Monitoring Form
Del Amo Pits

Date: 12/6/2011

Monitored By: SA/SM/IY/KV

14.0V.

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A'	-0.80	~~5.5V~~	~~8.5~~	~~+0.0~~	Over	O_2 = 6.1 CO_2 = 12.8
B'	0	8	5.8	21	over	
C'	1.30	60V	3.7	25.2	Over.	
D'	-0.50	45V	0.3	14.6	Over.	
E'	-0.17	0	8.8	8.0	0.9	
F'	-0.26	0	10.9	6.8	0.5	
G'	-0.01	0	4.1	12.8	1.0	
H'	-0.02	0	14.7	5.0	1.0	
I'	+0.04	47	1.8	3.6	Over.	
J'	-0.07	0	19.1	0.8	2.2	
K'	0	0	20.8	0.2	0.1	
L'	-0.15	0	19.9	0.6	1.9	
M'	-0.10	~~30.5V~~	~~8.5~~	~~20.8~~	~~over~~ Over	LEL = 19.0V, O_2 = 7.3, CO_2 = 18.0
N'	0.50	30.5V	8.5	20.8	over	

SVE/IBT
Cluster Well Monitoring Form
Del Amo Pits

Date: 12/5/11

Monitored By: SA/SM/IY/KV

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
A"1	0	0	19.4	1.2	0	
A"2	0	0	20.9	0	0	
A"3	-0.15	0	20.9	0	0	
B"1	1.25	10.0V	8.8	24.4	Over	
B"2	0.50	49 V	14.6	18.8	Over	
B"3	0.75	32.5V	10.4	23.0	Over	
C"1	-0.70	0	20.9	0	0	
C"2	-0.40	0	19.4	0.8	~~2.0~~ 0	
C"3	-0.25	0	20.5	0	2.0	
D"1	-0.70	11.5V	0.9	15	Over.	
D"2	-0.15	0	20.9	0	107	
D"3	-0.60	0	8.9	8.4	386	
E"1	-0.05	0	20.9	0	0	
E"2	0	0	20.3	0.6	0	
E"3	0	0	20.9	0	0	
F"1	-0.06	0	20.9	0	0	
F"2	-0.02	0	20.9	0	0	
F"3	-0.01	0	20.9	0	0	
G"1	-0.05	0	15.8	3.4	0.2	
G"2	0	0	19.9	0.6	0	
G"3	0	0	20.9	0	0	
H"1	-0.03	0	20.9	0	0	
H"2	-0.03	0	20.9	0	0.1	
H"3	-0.06	0	11.7	6.6	0.1	
I"1	~~-0.03~~	0	0.4	~~0~~ 14.2	~~14~~ 234	P=-0.13
I"2	~~-0.03~~	0	20.9	0	~~34~~ 1.0	P=~~-0.~~ 0
I"3	~~-0.04~~	0	19.0	0.6	1.0	P=-0.08
J"1	~~-0.03~~ 0	0	19.6	1.2	0.2	
J"2	0	0	~~9.5~~ 20.5	~~9.7~~ 0.2	0.1	
J"3	-0.06	0	9.5	9.2	1.2	
K"1	-0.50	0	19.4	1.2	1.4	
K"2	-0.10	0	12.8	7.4	2.0	
K"3	0	0	20.7	0	1.0	
L"1	1.35	49.5V	4.0	24.0	Over	
L"2	-0.25	6	20.2	0	Over	
L"3	0.30	11	20.4	0	Over	
M"1	-0.05	0	7.4	18.6	10.8	
M"2	-0.10	0	3.6	26.8	3.6	
M"3	0	0	19.6	0	15.0	

SVE/IBT
SVE Well Monitoring Form
Del Amo Pits

Date: 12/5/11

Monitored By: SA/SM/IY/KV

Well ID	Pressure (in. H_2O)	LEL (%)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppm)	Note
1	-16	~~12.5V~~	12.2	6.4	Over.	LEL = 7.0V
2	-4	12.5V	5.2	26.0	Over.	
3	5	14.5V	21.1	15.6	Over.	
4	6	91	40	11.4	Over.	
5	-3	17.5V	20.5	21.2	Over.	
6	-12	12.5V	11.5	6.2	Over.	
7	-8	~~27.0V~~	7.8	17.4	Over.	LEL = 28.5V
8	10	12V	7.2	24.8	Over.	
9	4	12V	10.1	23.6	Over	
10	-8	36.5V	7.0	22.8	Over.	
11	-5	58	0.3	34.2	Over.	
12	-16	60	5.7	23.2	Over.	
13	-0.25	5.5V	2.8	2.2	Over.	
14	-0.22	0	8.4	9.0	274	
15A	-0.27	15	2.4	13.2	Over.	
15B	-0.10	0	2.5	14.0	53.4	
16	-0.04	11	0.2	12.8	Over.	
17	-0.06	0	2.6	13.6	3.4	
18	-0.03	0	10.5	8.6	0.3	
19	-0.05	0	3.2	12.8	168	
20A	-17	8	6.4	9.6	Over.	
20B	-0.15	14	2.3	13.6	Over	
21	-0.10	0	7.3	10.6	63.6	

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

Completed By: CA
Title:

Sheet 1 of 1
Date: 3/15
Time: 12:00am

Verified By: SM
Title:

PID 3000 CAL to 50ppm.

Type of Monitoring Devices: PID 2000 calibrated to 5ppm Benzene, Velocicalc
Weather Conditions: overcast ≈59°

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) PID ②	PID 3
1.	System Inlet	0	35.8
2.	Outlet of Carbon 1	0	0.4
3.	Outlet of Carbon 2	0	0.4
4.	System Effluent	0	0.2

	Temperature (^{0}F)	Air Flow (scfm)	Humidity (%)
Influent	79.5	148	42
Effluent	118	170.	13.2

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

APPENDIX B

2011 FIELD DAILY REPORTS

C_2 REM
FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 **DATE:** 1/5/2011

WEATHER: Temperature: 55 **Winds:** Slight **Precipitation:** None

DESCRIPTION OF THE WORK: Purge liquid from system, troubleshoot inline flow sensors.

Time Line	Oversight of Palm tree removal.
7:00 AM	
	SM onsite. LADWP tree removal contractors onsite.
8:00 AM	SM set up water pump to remove water from ponding area at the front gate.
9:00 AM	IY and CA onsite.
10:00 AM	Staff began purging
11:00 AM	
12:00 PM	
1:00 PM	
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:** 1/6/2011

WEATHER: Temperature: 92 **Winds:** Slight **Precipitation:** None

DESCRIPTION OF THE WORK: Remove liquid from knockout tank, replace O2 sensor, restart system.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	CA, SM and SA onsite.
	Staff completed removal of liquid from knockout tank.
11:00 AM	
	Staff replaced inline O2 sensor.
12:00 PM	
	Staff took lunch.
1:00 PM	Staff returned to work.
	Staff checked all repairs for integrity. Flame arrestors joints checked for leaks. None found.
2:00 PM	Staff discovered crack on injection well #8 swagelock fitting and shut down the system.
	All parts to repair fitting not onsite. Staff will complete repair on January 7.
3:00 PM	
	Staff secured site and departed.
4:00 PM	
5:00 PM	

Notes:

Prepared by: Ian Yusko Signed: [signature]

Seamus McGeough, C.Alexander

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 1/7/2011

WEATHER: Temperature: 56 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Place drums in secondary containment, repair piping.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
	SM and SA onsite.
11:00 AM	Staff repaired injection piping on #8 well.
12:00 PM	
	Staff offsite for lunch and pickup secondary containment vessel from Grainger.
1:00 PM	
	Staff return to site. Staff used the forklift to place drums in secondary containment vessel.
2:00 PM	
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

pared by: Shinta Aizawa. Signed: Seamus McGeough

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 1/11/2011

WEATHER: Temperature: 60 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Restart system, set flows, bi-weekly monitoring and sampling.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	CA, SM, SA onsite.
	SM cleared the enclosure. SA restarted the system.
	Staff calibrated equipment. SA and CA set the flows on injection and extraction piping.
11:00 AM	SM rebooted the security cameras.
12:00 PM	Staff adjusted inline flow sensors and checked all other inline sensors were functioning normally.
1:00 PM	Staff took lunch break.
	Staff returned to work conducting bi-weekly monitoring and taking monthly lab samples.
2:00 PM	Staff took monthly lab samples from SVE system.
	Staff monitored GCTS and SVE systems and recorded the results.
3:00 PM	Staff sampled liquid purged from the system and containerized onsite.
4:00 PM	Staff secured site and departed to Cal Science with liquid samples. Then to Test America with vapor samples.
5:00 PM	

Notes:

pared by: C. Alexander, S. 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: 1/17/2011

WEATHER: Temperature: 72 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit for follow up monitoring.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
	SM and CA onsite.
1:00 PM	
	Staff had tailgate safety meeting.
2:00 PM	SM cleared the enclosure. CA calibrated PID's.
	Staff sampled the GCTS system and recorded the results.
3:00 PM	
	Staff sampled the SVE effluent to confirm inline reading.
4:00 PM	Staff secured site and departed.
5:00 PM	
Notes:	

pared by: Ian Yusko Signed: Seamus McGeough

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 1/20/2011

WEATHER: Temperature: 75 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit for monthly H&S inspection, GCTS follow up.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	CA and SM onsite.
	Staff conducted monthly H&S inspection and filled out form.
12:00 PM	Staff took lunch.
1:00 PM	Staff returned to work and monitored the GCTS system.
2:00 PM	Staff organized the trailer, and cleaned sampling bags.
3:00 PM	
	Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

pared by: C. Alexander Signed:

Seamus McGeough

C_2 REM
FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 1/24/2011

WEATHER: Temperature: 68 Winds: Slight Precipitation: None

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

Time Line	Replace Thermo couples. Conduct Perimeter monitoring.
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM, CA and SA onsite. Baker filtration onsite.
	Staff conducted tailgate safety meeting, and filled out necessary permits.
	Staff assisted Baker with forklift.
11:00 AM	Staff locked out the system.
	SM and CA monitored the perimeter well monitoring.
12:00 PM	SA oversaw the carbon change out and restarted the system upon completion.
	Baker completed the carbon changeout, and departed.
	Staff took lunch
1:00 PM	Staff returned to work, monitoring the GCTS and SVE systems.
	SM offsite.
2:00 PM	
3:00 PM	SM return to site.
	Staff completed monitoring, packed up equipment, secured site and departed.
4:00 PM	
5:00 PM	
Notes:	Staff contacted Akins about security camera not working.

pared by: C. Alexander, S. 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: 1/27/2011

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Ground water well assessment.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	IY, BW, SM and CA onsite.
	Staff conducted tailgate safety meeting.
	Staff calibrated equipment and proceeded to ground water wells
10:00 AM	
	Staff sounded the well and noted the result.
	Well is only 2inch diameter so sample pump had to be pulled out of the well in order to
11:00 AM	sound the bottom of the well.
	Staff noted the depth of the well and condition of pump electrical fittings.
	Staff placed pump back in well.
12:00 PM	SM and BW off site
	IY and CA continued monitoring ground water wells
1:00 PM	
2:00 PM	
3:00 PM	Staff attempted to locate PZL0022 in one of three raised metal casings and in surrounding
	vicinity near SWL0041
4:00 PM	
	IY and CA depart site
5:00 PM	
Notes:	Ground water wells sampling order: (1) PZL0019 (2) SWL008 (3) SWL0051 (4) PZL0024
	(5) PZL0020 (6) PZL0025 (7) PZL0022

pared by: Ian Yusko Signed:

Seamus McGeough, C.Alexander

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 1/28/2011

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Troubleshooting of the security camera computer

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	
	SA arrived at the site.
1:00 PM	
	Akins Consulting arrived at the site.
	Akins diagnosed the security camera computer.
2:00 PM	The computer needs to be fullly scanned and futher diagnosis was required.
	Akins left the site with the computer.
	SA left the site.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

epared 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:** 2/2/2011

WEATHER: Temperature: 64 **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	
11:00 AM	S.McGeough and C.Alexander arrive on site
	Staff prepares field equipment for monitoring
12:00 PM	Staff breaks for lunch
	Staff conducts safe entry into enclosure
1:00 PM	Staff conducts GCTS follow up monitoring
	Staff discussed system operation
2:00 PM	
	Staff packs up equipment, secures enclosure and site and departs
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	After discussion of VOC readings in the office, staff turns GCTS system off due to high inlet readings

pared by: 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: 2/3/2011

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Change GCTS carbon drum, sample liquid in drums for ignitabilty.

Time Line	
7:00 AM	
8:00 AM	
	SM and CA onsite.
	Staff had tailgate safety meeting.
9:00 AM	Staff conducted safe entry into the enclosure.
	CA and SM removed and labled spent carbon drum.
10:00 AM	Staff put new carbon in C2 position and restarted the GCTS system.
	Staff sampled liquid from drums for lab analysis.
11:00 AM	Staff secured site and departed to CalScience with sample.
12:00 PM	
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

pared by: C.Alexander. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 2/8/2011

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Site visit for Bi-weekly monitoring and take monthly lab samples.

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 calibrated equipment and conducted safe entry to the enclosure.
	SM offsite.
11:00 AM	SA and CA sampled the GCTS system and recorded the results.
	SA and CA sampled the SVE system and took bag samples for lab analysis.
12:00 PM	
	SM returned to site.
	Staff took lunch break.
1:00 PM	
	Staff completed monitoring.
2:00 PM	
	Staff secured site and departed to Test America with samples.
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

pared by: C.Alexander. S. 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:** 2/10/2011

WEATHER: Temperature: 62 **Winds:** Slight **Precipitation:** None

DESCRIPTION OF THE WORK: Site visit to meet Akins to reinstall security computer.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	SM and CA onsite.
	Nathan from Akins onsite.
11:00 AM	Akins reconnected the security computer.
	Akins did some troubleshooting to ensure connection to C2 REM remotely.
12:00 PM	Security cameras working and remote access successful.
	Akins and C2REM staff offsite.
1:00 PM	
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	

Notes:

pared by: C.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:** 2/16/2011

WEATHER: Temperature: 62 **Winds:** Slight **Precipitation:** None

DESCRIPTION OF THE WORK: GCTS follow up, perimeter well monitoring, O2 Gen & H&S inspection

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	CA and SM onsite.
10:00 AM	Staff had tailgate safety meeting.
	Staff calibrated equipment and performed safe entry to the enclosure.
	Staff monitored the GCTS system and recorded the results.
11:00 AM	Staff locked out and tagged out the O2 generator prior to inspection.
	Staff examined drive belts for wear and visual inspection of motor. No signs of wear or leaking fluids.
12:00 PM	Staff removed LOTO locks and restarted the O2 generator.
	Staff conducted monthly H&S inspection.
	Staff took lunch break.
1:00 PM	
	Staff resumed work monitoring the perimeter wells ABCD &H. and recorded readings.
2:00 PM	
3:00 PM	Staff secured site and departed.
4:00 PM	
5:00 PM	
Notes:	

pared by: C.Alexander. Signed:

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 2/17/2011

WEATHER: Temperature: 62 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Take delivery of 2 waste water tanks.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
	CA and SM onsite.
10:00 AM	Envirosupply onsite with 2 waste water tanks.
	Staff assisted Envirosupply unloading the tanks.
	Tanks were placed inside the enclosure for temporary storage.
11:00 AM	
	Staff cleaned the trailer and organized the parts kept in bins inside the computer room.
12:00 PM	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:	

pared by: C.Alexander. Signed: [signature]

Seamus McGeough

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 2/18/2011

WEATHER: Temperature: 55 Winds: Gusty Precipitation: Started @ 3.

DESCRIPTION OF THE WORK: Ground water sampling onsite and ladwp easement.

Time Line	
7:00 AM	SM and IY onsite. BBC environmental onsite.
	D. Meyers from URS onsite.
	Staff conducted tailgate safety meeting, with input from URS.
8:00 AM	Staff split into teams BBC and SM on one team and BBC, IY and URS on the other.
	Wells in the easement were monitored first some repairs were needed on well box #####.
9:00 AM	BBC purged the wells, and monitored turbidity and ##########.
	BBC , IY and URS went to the well at the rear of storage warehouse.
	Sampling pump did not work and URS attempted to repair. Repair was not successful.
10:00 AM	BBC used their pump to sample well.
	BBC and SM completed sampling in the easement and moved to the undeveloped parcel.
11:00 AM	
12:00 PM	
1:00 PM	Both teams back on the Pits site to sample wells onsite.
	SM and BBC sampled wells along the fenceling.
	IY and BBC sampled well # xxx. Dave Meyers of URS departed site.
2:00 PM	2 wells (XX and XX) were damaged and no samples could be taken.
	All wells sampled, BBC disposed of purge water into C2 REM storage tanks.
3:00 PM	Staff and BBC completed labeling, field blanks and trip blanks. Chain of custody was
	completed.
	BBC offsite. C2 REM staff secured site and departed to Cal Science with samples on ice.
4:00 PM	
5:00 PM	
Notes:	

pared by: I. 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: 2/23/2011

WEATHER: Temperature: 59 Winds: Slight Precipitation: None

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

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	S.A. and C.A. arrive on site
	Staff conducts safe entry into enclosure
	Staff calibrated PID 2000 to 50 ppm
11:00 AM	Staff commences GCTS monitoring by taking sample bags containing VOC's
	Staff takes Velocicalc readings from GCTS and records results
	Staff records GCTS results and commences taking sample bags from SVE/IBT
12:00 PM	Staff takes Velocicalc readings from SVE/IBT and records results
	Staff breaks for lunch
1:00 PM	
	Staff departs the site
2:00 PM	
3:00 PM	
4:00 PM	
5:00 PM	
Notes:	

pared by: C.Alexander. Signed: [signature]

S. Aizawa

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 **DATE:** 3/2/2011

WEATHER: Temperature: ~65 **Winds:** None **Precipitation:** Slight

DESCRIPTION OF THE WORK: GCTS Follow-up Monitoring and Site maintenance

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
	C.A. and I.Y. arrive on site
12:00 PM	Staff conducted safe entry into enclosure with PID
	C.A commenced GCTS follow-up monitoring starting at effluent.IY took field notes regarding the site
1:00 PM	C.A commenced Velocicalc readings
	Staff took lunch break
2:00 PM	
	Staff rotated GCTS carbon vessel 1 out of system, rotated carbon vessel 2 into place of carbon vessel 1 and rotated a fresh carbon vessel into place of carbon vessel 2
3:00 PM	Staff labeled spent carbon vessel and put aside
	Staff assessed what will be needed for meeting with R. Shakely
	Staff packed up monitoring equipment
4:00 PM	Staff beparted the site
5:00 PM	
Notes:	PID 2000 calibrated to 5ppm

pared by: C.Alexander

I.Yusko

Signed: Daniel Alexander

C_2 REM
FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 **DATE:** 3/8/2011

WEATHER: Temperature: 70 **Winds:** none **Precipitation:** None

DESCRIPTION OF THE WORK: SVE/IBT Carbon Change-out with Baker and Site Maintenance

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	C.Alexander and I.Yusko arrive onsite. Baker Corp allready on site.
	C.A and I.Y remove SVE/IBT Thermocouplers.
10:00 AM	Baker proceeds to do Carbon Change out
11:00 AM	
	Baker completes carbon change out
	C.A and I.Y reinstall SVE/IBT Thermocouplers
12:00 PM	C.A and I.Y restart SVE/IBT system
	I.Y notices TT 2 temperature misread
	C.A and I.Y rewire thermocoupler
1:00 PM	TT 2 Thermocoupler continues to misread. I.Y determines the fuse has blown out
	I.Y turns system off and staff breaks for lunch
2:00 PM	Staff departs site to find new fuse and maintenance supplies
3:00 PM	Staff returns to site and commences site maintenance/cleaning and organizing site for site inspection on 3/10
4:00 PM	Staff locks up and departs the site
5:00 PM	
Notes:	

pared by: C.Alexander

I.Yusko

Signed:

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 **DATE:** 3/9/2011

WEATHER: Temperature: 82 **Winds:** none **Precipitation:** None

DESCRIPTION OF THE WORK: Bi-weekly Monitoring, mnthly lab samples, sample purged GW

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	S.Aizawa and C.Alexander arrive on site
	C.A commences labeling all Ground water sample containers. S.A goes to Grainer to find 250 volt replacement fuse for SVE/IBT system.
10:00 AM	
	Staff commences bi-weekly monitoring and monthly lab samples
11:00 AM	
12:00 PM	
	I.Yusko and K.volmer arrive on site
1:00 PM	
	Staff finishes bi-weekly monitoring and monthly lab samples and breaks for half hour lunch
2:00 PM	
	Staff commences sampling purged ground water
3:00 PM	Staff cleans and organizes trailer and enclosure for 3/10 inspection
4:00 PM	Staff packs up and locks up site and departs for Cal Science and Test America
5:00 PM	

Notes:

pared by: C.Alexander

I.Yusko

Signed:

C_2 REM

FIELD DAILY REPORT

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

PROJECT NUMBER: 97-101 DATE: 5/23/2011

WEATHER: Temperature: 70 Winds: Slight Precipitation: None

DESCRIPTION OF THE WORK: Facility Maintenance, Turn the security camera back on.

Time Line	
7:00 AM	
8:00 AM	
9:00 AM	
10:00 AM	
11:00 AM	
12:00 PM	SA and JR onsite
	SA inspected the security camera computer and restarted it and confirmed the camera is properly functioning.
1:00 PM	
	Staff conducted a site walk
2:00 PM	Staff entered the undevelopped parcel to conduct site inspection.
3:00 PM	
	Staff secured site and departed.
4:00 PM	

Notes:

:pared by: Shinta Aizawa Signed:

APPENDIX C

2011 SVE/IBT LABORATORY RESULTS

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: 01/10/11
Received: 01/10/11
Issued: 01/14/11 17:07

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
IUA0834-01	Effluent	Air
IUA0834-02	Carbon 1	Air
IUA0834-03	Post Ambient Air	Air
IUA0834-04	Inlet	Air
IUA0834-05	Post Ambient Air 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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11A1014	1.6	ND	1	1/11/2011	1/11/2011	
Bromobenzene	EPA 8260B MOD	11A1014	0.78	ND	1	1/11/2011	1/11/2011	
Bromochloromethane	EPA 8260B MOD	11A1014	0.94	ND	1	1/11/2011	1/11/2011	
Bromodichloromethane	EPA 8260B MOD	11A1014	0.75	ND	1	1/11/2011	1/11/2011	
Bromoform	EPA 8260B MOD	11A1014	0.48	ND	1	1/11/2011	1/11/2011	
Bromomethane	EPA 8260B MOD	11A1014	1.3	ND	1	1/11/2011	1/11/2011	
n-Butylbenzene	EPA 8260B MOD	11A1014	0.91	ND	1	1/11/2011	1/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11A1014	0.91	ND	1	1/11/2011	1/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11A1014	0.91	ND	1	1/11/2011	1/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11A1014	0.79	ND	1	1/11/2011	1/11/2011	
Chlorobenzene	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
Chloroethane	EPA 8260B MOD	11A1014	1.9	ND	1	1/11/2011	1/11/2011	
Chloroform	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
Chloromethane	EPA 8260B MOD	11A1014	2.4	ND	1	1/11/2011	1/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
Dibromochloromethane	EPA 8260B MOD	11A1014	0.59	ND	1	1/11/2011	1/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11A1014	0.65	ND	1	1/11/2011	1/11/2011	
Dibromomethane	EPA 8260B MOD	11A1014	0.70	ND	1	1/11/2011	1/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11A1014	0.83	ND	1	1/11/2011	1/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11A1014	0.83	ND	1	1/11/2011	1/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11A1014	0.83	ND	1	1/11/2011	1/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11A1014	1.3	ND	1	1/11/2011	1/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11A1014	1.3	ND	1	1/11/2011	1/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11A1014	1.3	ND	1	1/11/2011	1/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11A1014	1.1	ND	1	1/11/2011	1/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11A1014	1.1	ND	1	1/11/2011	1/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11A1014	1.1	ND	1	1/11/2011	1/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11A1014	1.1	ND	1	1/11/2011	1/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11A1014	1.1	ND	1	1/11/2011	1/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11A1014	1.1	ND	1	1/11/2011	1/11/2011	
Ethylbenzene	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11A1014	0.47	ND	1	1/11/2011	1/11/2011	
Isopropylbenzene	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11A1014	0.91	ND	1	1/11/2011	1/11/2011	
Methylene chloride	EPA 8260B MOD	11A1014	1.4	ND	1	1/11/2011	1/11/2011	
Naphthalene	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	

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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
Styrene	EPA 8260B MOD	11A1014	2.4	ND	1	1/11/2011	1/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11A1014	0.73	ND	1	1/11/2011	1/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11A1014	0.73	ND	1	1/11/2011	1/11/2011	
Tetrachloroethene	EPA 8260B MOD	11A1014	0.74	ND	1	1/11/2011	1/11/2011	
Toluene	EPA 8260B MOD	11A1014	1.3	ND	1	1/11/2011	1/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11A1014	0.67	ND	1	1/11/2011	1/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11A1014	0.67	ND	1	1/11/2011	1/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11A1014	0.92	ND	1	1/11/2011	1/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11A1014	0.92	ND	1	1/11/2011	1/11/2011	
Trichloroethene	EPA 8260B MOD	11A1014	0.93	ND	1	1/11/2011	1/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11A1014	0.89	ND	1	1/11/2011	1/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11A1014	0.83	ND	1	1/11/2011	1/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11A1014	1.0	ND	1	1/11/2011	1/11/2011	
Vinyl chloride	EPA 8260B MOD	11A1014	2.0	ND	1	1/11/2011	1/11/2011	
m,p-Xylenes	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
o-Xylene	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11A1014	1.3	ND	1	1/11/2011	1/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11A1014	1.4	ND	1	1/11/2011	1/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11A1014	1.2	ND	1	1/11/2011	1/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11A1014	17	ND	1	1/11/2011	1/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*94 %*				

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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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11A1014	80	**2700**	50	1/11/2011	1/11/2011	
Bromobenzene	EPA 8260B MOD	11A1014	39	ND	50	1/11/2011	1/11/2011	
Bromochloromethane	EPA 8260B MOD	11A1014	47	ND	50	1/11/2011	1/11/2011	
Bromodichloromethane	EPA 8260B MOD	11A1014	38	ND	50	1/11/2011	1/11/2011	
Bromoform	EPA 8260B MOD	11A1014	24	ND	50	1/11/2011	1/11/2011	
Bromomethane	EPA 8260B MOD	11A1014	65	ND	50	1/11/2011	1/11/2011	
n-Butylbenzene	EPA 8260B MOD	11A1014	46	ND	50	1/11/2011	1/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11A1014	46	ND	50	1/11/2011	1/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11A1014	46	ND	50	1/11/2011	1/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11A1014	40	ND	50	1/11/2011	1/11/2011	
Chlorobenzene	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
Chloroethane	EPA 8260B MOD	11A1014	95	ND	50	1/11/2011	1/11/2011	
Chloroform	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
Chloromethane	EPA 8260B MOD	11A1014	120	ND	50	1/11/2011	1/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
Dibromochloromethane	EPA 8260B MOD	11A1014	30	ND	50	1/11/2011	1/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11A1014	32	ND	50	1/11/2011	1/11/2011	
Dibromomethane	EPA 8260B MOD	11A1014	35	ND	50	1/11/2011	1/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11A1014	42	ND	50	1/11/2011	1/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11A1014	42	ND	50	1/11/2011	1/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11A1014	42	ND	50	1/11/2011	1/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11A1014	65	ND	50	1/11/2011	1/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11A1014	65	ND	50	1/11/2011	1/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11A1014	65	ND	50	1/11/2011	1/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11A1014	55	ND	50	1/11/2011	1/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11A1014	55	ND	50	1/11/2011	1/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11A1014	55	ND	50	1/11/2011	1/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11A1014	55	ND	50	1/11/2011	1/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11A1014	55	ND	50	1/11/2011	1/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11A1014	55	ND	50	1/11/2011	1/11/2011	
Ethylbenzene	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11A1014	24	ND	50	1/11/2011	1/11/2011	
Isopropylbenzene	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11A1014	46	ND	50	1/11/2011	1/11/2011	
Methylene chloride	EPA 8260B MOD	11A1014	70	ND	50	1/11/2011	1/11/2011	
Naphthalene	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	

TestAmerica Irvine

Patty Mata
Project Manager

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
Styrene	EPA 8260B MOD	11A1014	120	ND	50	1/11/2011	1/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11A1014	36	ND	50	1/11/2011	1/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11A1014	36	ND	50	1/11/2011	1/11/2011	
Tetrachloroethene	EPA 8260B MOD	11A1014	37	ND	50	1/11/2011	1/11/2011	
Toluene	EPA 8260B MOD	11A1014	65	ND	50	1/11/2011	1/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11A1014	34	ND	50	1/11/2011	1/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11A1014	34	ND	50	1/11/2011	1/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11A1014	46	ND	50	1/11/2011	1/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11A1014	46	ND	50	1/11/2011	1/11/2011	
Trichloroethene	EPA 8260B MOD	11A1014	46	ND	50	1/11/2011	1/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11A1014	44	ND	50	1/11/2011	1/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11A1014	42	ND	50	1/11/2011	1/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11A1014	50	ND	50	1/11/2011	1/11/2011	
Vinyl chloride	EPA 8260B MOD	11A1014	100	ND	50	1/11/2011	1/11/2011	
m,p-Xylenes	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
o-Xylene	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11A1014	65	ND	50	1/11/2011	1/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11A1014	70	ND	50	1/11/2011	1/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11A1014	60	ND	50	1/11/2011	1/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11A1014	850	ND	50	1/11/2011	1/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11A1014	40	**1200**	25	1/11/2011	1/11/2011	
Bromobenzene	EPA 8260B MOD	11A1014	20	ND	25	1/11/2011	1/11/2011	
Bromochloromethane	EPA 8260B MOD	11A1014	24	ND	25	1/11/2011	1/11/2011	
Bromodichloromethane	EPA 8260B MOD	11A1014	19	ND	25	1/11/2011	1/11/2011	
Bromoform	EPA 8260B MOD	11A1014	12	ND	25	1/11/2011	1/11/2011	
Bromomethane	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
n-Butylbenzene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11A1014	20	ND	25	1/11/2011	1/11/2011	
Chlorobenzene	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
Chloroethane	EPA 8260B MOD	11A1014	48	ND	25	1/11/2011	1/11/2011	
Chloroform	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Chloromethane	EPA 8260B MOD	11A1014	60	ND	25	1/11/2011	1/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Dibromochloromethane	EPA 8260B MOD	11A1014	15	ND	25	1/11/2011	1/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11A1014	16	ND	25	1/11/2011	1/11/2011	
Dibromomethane	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
Ethylbenzene	EPA 8260B MOD	11A1014	30	**45**	25	1/11/2011	1/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11A1014	12	ND	25	1/11/2011	1/11/2011	
Isopropylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Methylene chloride	EPA 8260B MOD	11A1014	35	ND	25	1/11/2011	1/11/2011	
Naphthalene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	

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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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Styrene	EPA 8260B MOD	11A1014	60	ND	25	1/11/2011	1/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
Tetrachloroethene	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
Toluene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11A1014	17	ND	25	1/11/2011	1/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11A1014	17	ND	25	1/11/2011	1/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Trichloroethene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11A1014	22	ND	25	1/11/2011	1/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Vinyl chloride	EPA 8260B MOD	11A1014	50	ND	25	1/11/2011	1/11/2011	
m,p-Xylenes	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
o-Xylene	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11A1014	35	ND	25	1/11/2011	1/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11A1014	420	ND	25	1/11/2011	1/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11A1009	400	**20000**	250	1/11/2011	1/12/2011	
Bromobenzene	EPA 8260B MOD	11A1009	200	ND	250	1/11/2011	1/12/2011	
Bromochloromethane	EPA 8260B MOD	11A1009	240	ND	250	1/11/2011	1/12/2011	
Bromodichloromethane	EPA 8260B MOD	11A1009	190	ND	250	1/11/2011	1/12/2011	
Bromoform	EPA 8260B MOD	11A1009	120	ND	250	1/11/2011	1/12/2011	
Bromomethane	EPA 8260B MOD	11A1009	320	ND	250	1/11/2011	1/12/2011	
n-Butylbenzene	EPA 8260B MOD	11A1009	230	ND	250	1/11/2011	1/12/2011	
sec-Butylbenzene	EPA 8260B MOD	11A1009	230	ND	250	1/11/2011	1/12/2011	
tert-Butylbenzene	EPA 8260B MOD	11A1009	230	ND	250	1/11/2011	1/12/2011	
Carbon tetrachloride	EPA 8260B MOD	11A1009	200	ND	250	1/11/2011	1/12/2011	
Chlorobenzene	EPA 8260B MOD	11A1009	300	ND	250	1/11/2011	1/12/2011	
Chloroethane	EPA 8260B MOD	11A1009	480	ND	250	1/11/2011	1/12/2011	
Chloroform	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
Chloromethane	EPA 8260B MOD	11A1009	600	ND	250	1/11/2011	1/12/2011	
2-Chlorotoluene	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
4-Chlorotoluene	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
Dibromochloromethane	EPA 8260B MOD	11A1009	150	ND	250	1/11/2011	1/12/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11A1009	160	ND	250	1/11/2011	1/12/2011	
Dibromomethane	EPA 8260B MOD	11A1009	180	ND	250	1/11/2011	1/12/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11A1009	210	ND	250	1/11/2011	1/12/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11A1009	210	ND	250	1/11/2011	1/12/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11A1009	210	ND	250	1/11/2011	1/12/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
1,1-Dichloroethane	EPA 8260B MOD	11A1009	300	ND	250	1/11/2011	1/12/2011	
1,2-Dichloroethane	EPA 8260B MOD	11A1009	300	ND	250	1/11/2011	1/12/2011	
1,1-Dichloroethene	EPA 8260B MOD	11A1009	320	ND	250	1/11/2011	1/12/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11A1009	320	ND	250	1/11/2011	1/12/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11A1009	320	ND	250	1/11/2011	1/12/2011	
1,2-Dichloropropane	EPA 8260B MOD	11A1009	280	ND	250	1/11/2011	1/12/2011	
1,3-Dichloropropane	EPA 8260B MOD	11A1009	280	ND	250	1/11/2011	1/12/2011	
2,2-Dichloropropane	EPA 8260B MOD	11A1009	280	ND	250	1/11/2011	1/12/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11A1009	280	ND	250	1/11/2011	1/12/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11A1009	280	ND	250	1/11/2011	1/12/2011	L
1,1-Dichloropropene	EPA 8260B MOD	11A1009	280	ND	250	1/11/2011	1/12/2011	
Ethylbenzene	EPA 8260B MOD	11A1009	300	**670**	250	1/11/2011	1/12/2011	
Hexachlorobutadiene	EPA 8260B MOD	11A1009	120	ND	250	1/11/2011	1/12/2011	
Isopropylbenzene	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
p-Isopropyltoluene	EPA 8260B MOD	11A1009	230	ND	250	1/11/2011	1/12/2011	
Methylene chloride	EPA 8260B MOD	11A1009	350	ND	250	1/11/2011	1/12/2011	
Naphthalene	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
Styrene	EPA 8260B MOD	11A1009	600	ND	250	1/11/2011	1/12/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11A1009	180	ND	250	1/11/2011	1/12/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11A1009	180	ND	250	1/11/2011	1/12/2011	
Tetrachloroethene	EPA 8260B MOD	11A1009	180	ND	250	1/11/2011	1/12/2011	
Toluene	EPA 8260B MOD	11A1009	320	ND	250	1/11/2011	1/12/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11A1009	170	ND	250	1/11/2011	1/12/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11A1009	170	ND	250	1/11/2011	1/12/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11A1009	230	ND	250	1/11/2011	1/12/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11A1009	230	ND	250	1/11/2011	1/12/2011	
Trichloroethene	EPA 8260B MOD	11A1009	230	ND	250	1/11/2011	1/12/2011	
Trichlorofluoromethane	EPA 8260B MOD	11A1009	220	ND	250	1/11/2011	1/12/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11A1009	210	ND	250	1/11/2011	1/12/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11A1009	250	ND	250	1/11/2011	1/12/2011	
Vinyl chloride	EPA 8260B MOD	11A1009	500	ND	250	1/11/2011	1/12/2011	
m,p-Xylenes	EPA 8260B MOD	11A1009	300	ND	250	1/11/2011	1/12/2011	
o-Xylene	EPA 8260B MOD	11A1009	300	ND	250	1/11/2011	1/12/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11A1009	300	ND	250	1/11/2011	1/12/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11A1009	320	ND	250	1/11/2011	1/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11A1009	350	ND	250	1/11/2011	1/12/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11A1009	300	ND	250	1/11/2011	1/12/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11A1009	4200	ND	250	1/11/2011	1/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11A1014	40	**1200**	25	1/11/2011	1/11/2011	
Bromobenzene	EPA 8260B MOD	11A1014	20	ND	25	1/11/2011	1/11/2011	
Bromochloromethane	EPA 8260B MOD	11A1014	24	ND	25	1/11/2011	1/11/2011	
Bromodichloromethane	EPA 8260B MOD	11A1014	19	ND	25	1/11/2011	1/11/2011	
Bromoform	EPA 8260B MOD	11A1014	12	ND	25	1/11/2011	1/11/2011	
Bromomethane	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
n-Butylbenzene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11A1014	20	ND	25	1/11/2011	1/11/2011	
Chlorobenzene	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
Chloroethane	EPA 8260B MOD	11A1014	48	ND	25	1/11/2011	1/11/2011	
Chloroform	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Chloromethane	EPA 8260B MOD	11A1014	60	ND	25	1/11/2011	1/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Dibromochloromethane	EPA 8260B MOD	11A1014	15	ND	25	1/11/2011	1/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11A1014	16	ND	25	1/11/2011	1/11/2011	
Dibromomethane	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11A1014	28	ND	25	1/11/2011	1/11/2011	
Ethylbenzene	EPA 8260B MOD	11A1014	30	**53**	25	1/11/2011	1/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11A1014	12	ND	25	1/11/2011	1/11/2011	
Isopropylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Methylene chloride	EPA 8260B MOD	11A1014	35	ND	25	1/11/2011	1/11/2011	
Naphthalene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Styrene	EPA 8260B MOD	11A1014	60	ND	25	1/11/2011	1/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
Tetrachloroethene	EPA 8260B MOD	11A1014	18	ND	25	1/11/2011	1/11/2011	
Toluene	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11A1014	17	ND	25	1/11/2011	1/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11A1014	17	ND	25	1/11/2011	1/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Trichloroethene	EPA 8260B MOD	11A1014	23	ND	25	1/11/2011	1/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11A1014	22	ND	25	1/11/2011	1/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11A1014	21	ND	25	1/11/2011	1/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11A1014	25	ND	25	1/11/2011	1/11/2011	
Vinyl chloride	EPA 8260B MOD	11A1014	50	ND	25	1/11/2011	1/11/2011	
m,p-Xylenes	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
o-Xylene	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11A1014	32	ND	25	1/11/2011	1/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11A1014	35	ND	25	1/11/2011	1/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11A1014	30	ND	25	1/11/2011	1/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11A1014	420	ND	25	1/11/2011	1/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: IUA0834-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11A1048	0.10	**1.9**	1	1/11/2011	1/11/2011	
Carbon Monoxide	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	
Methane	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	C
Nitrogen	ASTM D1946-90	11A1048	20	**77**	1	1/11/2011	1/11/2011	
Oxygen	ASTM D1946-90	11A1048	5.5	**21**	1	1/11/2011	1/11/2011	
Sample ID: IUA0834-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11A1048	0.10	**1.9**	1	1/11/2011	1/11/2011	
Carbon Monoxide	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	
Methane	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	C
Nitrogen	ASTM D1946-90	11A1048	20	**77**	1	1/11/2011	1/11/2011	
Oxygen	ASTM D1946-90	11A1048	5.5	**21**	1	1/11/2011	1/11/2011	
Sample ID: IUA0834-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11A1048	0.10	**1.6**	1	1/11/2011	1/11/2011	
Carbon Monoxide	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	
Methane	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	C
Nitrogen	ASTM D1946-90	11A1048	20	**78**	1	1/11/2011	1/11/2011	
Oxygen	ASTM D1946-90	11A1048	5.5	**20**	1	1/11/2011	1/11/2011	
Sample ID: IUA0834-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11A1048	0.10	**22**	1	1/11/2011	1/11/2011	
Carbon Monoxide	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	
Methane	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	C
Nitrogen	ASTM D1946-90	11A1048	20	**72**	1	1/11/2011	1/11/2011	
Oxygen	ASTM D1946-90	11A1048	5.5	**6.9**	1	1/11/2011	1/11/2011	
Sample ID: IUA0834-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11A1048	0.10	**1.6**	1	1/11/2011	1/11/2011	
Carbon Monoxide	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	
Methane	ASTM D1946-90	11A1048	0.10	ND	1	1/11/2011	1/11/2011	C
Nitrogen	ASTM D1946-90	11A1048	20	**78**	1	1/11/2011	1/11/2011	
Oxygen	ASTM D1946-90	11A1048	5.5	**20**	1	1/11/2011	1/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUA0834-01) - Air					
ASTM D1946-90	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 13:04	01/11/2011 13:04
EPA 8260B MOD	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 10:31	01/11/2011 10:48
Sample ID: Carbon 1 (IUA0834-02) - Air					
ASTM D1946-90	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 13:51	01/11/2011 13:51
EPA 8260B MOD	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 13:00	01/11/2011 17:12
Sample ID: Post Ambient Air (IUA0834-03) - Air					
ASTM D1946-90	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 14:14	01/11/2011 14:14
EPA 8260B MOD	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 13:01	01/11/2011 17:39
Sample ID: Inlet (IUA0834-04) - Air					
ASTM D1946-90	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 14:33	01/11/2011 14:33
EPA 8260B MOD	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 22:15	01/12/2011 05:24
Sample ID: Post Ambient Air Dup (IUA0834-05) - Air					
ASTM D1946-90	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 15:39	01/11/2011 15:39
EPA 8260B MOD	3	01/10/2011 14:00	01/10/2011 16:45	01/11/2011 13:15	01/11/2011 18:34

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Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1009 Extracted: 01/11/11										
Blank Analyzed: 01/11/2011 (11A1009-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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1009 Extracted: 01/11/11										
Blank Analyzed: 01/11/2011 (11A1009-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	*6.73*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*6.27*		*ppmv*	*6.37*		*98*	*80-120*			
Surrogate: Toluene-d8	*13.1*		*ppmv*	*12.2*		*107*	*80-120*			

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Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1009 Extracted: 01/11/11										
LCS Analyzed: 01/11/2011 (11A1009-BS1)										
Benzene	16.8	1.6	ppmv	15.7		108	70-120			
Bromobenzene	8.34	0.78	ppmv	7.79		107	75-120			
Bromochloromethane	9.96	0.94	ppmv	9.45		105	70-130			
Bromodichloromethane	8.70	0.75	ppmv	7.46		117	70-135			
Bromoform	4.35	0.48	ppmv	4.84		90	55-130			
Bromomethane	14.4	1.3	ppmv	12.9		112	65-140			
n-Butylbenzene	9.51	0.91	ppmv	9.11		104	70-130			
sec-Butylbenzene	10.0	0.91	ppmv	9.11		110	70-125			
tert-Butylbenzene	10.1	0.91	ppmv	9.11		111	70-125			
Carbon tetrachloride	9.61	0.79	ppmv	7.95		121	65-140			
Chlorobenzene	10.6	1.2	ppmv	10.9		98	75-120			
Chloroethane	18.7	1.9	ppmv	18.9		99	60-140			
Chloroform	10.7	1.0	ppmv	10.2		105	70-130			
Chloromethane	22.1	2.4	ppmv	24.2		91	50-140			
2-Chlorotoluene	10.4	1.0	ppmv	9.66		107	70-125			
4-Chlorotoluene	10.4	1.0	ppmv	9.66		108	75-125			
1,2-Dibromo-3-chloropropane	5.95	1.0	ppmv	5.17		115	50-135			
Dibromochloromethane	5.77	0.59	ppmv	5.87		98	70-140			
1,2-Dibromoethane (EDB)	6.76	0.65	ppmv	6.51		104	75-125			
Dibromomethane	7.68	0.70	ppmv	7.03		109	70-125			
1,2-Dichlorobenzene	8.58	0.83	ppmv	8.32		103	75-120			
1,3-Dichlorobenzene	8.88	0.83	ppmv	8.32		107	75-120			
1,4-Dichlorobenzene	8.49	0.83	ppmv	8.32		102	75-120			
Dichlorodifluoromethane	8.31	1.0	ppmv	10.1		82	35-155			
1,1-Dichloroethane	13.0	1.2	ppmv	12.4		106	70-125			
1,2-Dichloroethane	14.3	1.2	ppmv	12.4		115	60-140			
1,1-Dichloroethene	14.1	1.3	ppmv	12.6		111	70-125			
cis-1,2-Dichloroethene	14.3	1.3	ppmv	12.6		113	70-125			
trans-1,2-Dichloroethene	13.7	1.3	ppmv	12.6		109	70-125			
1,2-Dichloropropane	11.7	1.1	ppmv	10.8		108	70-125			
1,3-Dichloropropane	11.3	1.1	ppmv	10.8		104	70-120			
2,2-Dichloropropane	13.7	1.1	ppmv	10.8		127	65-140			
cis-1,3-Dichloropropene	13.2	1.1	ppmv	11.0		120	75-125			
trans-1,3-Dichloropropene	14.3	1.1	ppmv	11.0		129	70-125			*L*
1,1-Dichloropropene	12.8	1.1	ppmv	11.0		116	75-130			
Ethylbenzene	11.7	1.2	ppmv	11.5		102	75-125			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1009 Extracted: 01/11/11										
LCS Analyzed: 01/11/2011 (11A1009-BS1)										
Hexachlorobutadiene	5.07	0.47	ppmv	4.69		108	65-135			
Isopropylbenzene	10.7	1.0	ppmv	10.2		105	75-130			
p-Isopropyltoluene	10.1	0.91	ppmv	9.11		111	75-125			
Methylene chloride	14.0	1.4	ppmv	14.4		97	55-130			
Naphthalene	10.5	1.0	ppmv	9.54		110	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	7.73	0.73	ppmv	7.28		106	70-130			
1,1,2,2-Tetrachloroethane	7.87	0.73	ppmv	7.28		108	55-130			
Tetrachloroethene	7.49	0.74	ppmv	7.37		102	70-125			
Toluene	14.5	1.3	ppmv	13.3		109	70-120			
1,2,3-Trichlorobenzene	7.27	0.67	ppmv	6.74		108	65-125			
1,2,4-Trichlorobenzene	7.41	0.67	ppmv	6.74		110	70-135			
1,1,1-Trichloroethane	10.9	0.92	ppmv	9.16		119	65-135			
1,1,2-Trichloroethane	9.92	0.92	ppmv	9.16		108	70-125			
Trichloroethene	9.59	0.93	ppmv	9.30		103	70-125			
Trichlorofluoromethane	10.6	0.89	ppmv	8.90		119	65-145			
1,2,3-Trichloropropane	8.80	0.83	ppmv	8.29		106	60-130			
1,2,4-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125			
1,3,5-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125			
Vinyl chloride	20.8	2.0	ppmv	19.6		106	55-135			
m,p-Xylenes	24.4	1.2	ppmv	23.0		106	75-125			
Di-isopropyl Ether (DIPE)	11.7	1.2	ppmv	12.0		98	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.7	1.3	ppmv	12.0		106	65-135			
Methyl-tert-butyl Ether (MTBE)	15.9	1.4	ppmv	13.9		115	60-135			
tert-Amyl Methyl Ether (TAME)	14.1	1.2	ppmv	12.0		118	60-135			
tert-Butanol (TBA)	87.3	17	ppmv	82.5		106	70-135			
Surrogate: 4-Bromofluorobenzene	*6.79*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.44*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*13.1*		*ppmv*	*12.2*		*108*	*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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1009 Extracted: 01/11/11										
Duplicate Analyzed: 01/12/2011 (11A1009-DUP1)					**Source: IUA0834-04**					
Benzene	21300	400	ppmv		20200			5	20	
Bromobenzene	ND	200	ppmv		ND				20	
Bromochloromethane	ND	240	ppmv		ND				20	
Bromodichloromethane	ND	190	ppmv		ND				20	
Bromoform	ND	120	ppmv		ND				25	
Bromomethane	ND	320	ppmv		ND				20	
n-Butylbenzene	ND	230	ppmv		ND				20	
sec-Butylbenzene	ND	230	ppmv		ND				20	
tert-Butylbenzene	ND	230	ppmv		ND				20	
Carbon tetrachloride	ND	200	ppmv		ND				25	
Chlorobenzene	ND	300	ppmv		ND				20	
Chloroethane	ND	480	ppmv		ND				20	
Chloroform	ND	250	ppmv		ND				20	
Chloromethane	ND	600	ppmv		ND				25	
2-Chlorotoluene	ND	250	ppmv		ND				20	
4-Chlorotoluene	ND	250	ppmv		ND				20	
1,2-Dibromo-3-chloropropane	ND	250	ppmv		ND				30	
Dibromochloromethane	ND	150	ppmv		ND				20	
1,2-Dibromoethane (EDB)	ND	160	ppmv		ND				20	
Dibromomethane	ND	180	ppmv		ND				20	
1,2-Dichlorobenzene	ND	210	ppmv		ND				20	
1,3-Dichlorobenzene	ND	210	ppmv		ND				20	
1,4-Dichlorobenzene	ND	210	ppmv		ND				20	
Dichlorodifluoromethane	ND	250	ppmv		ND				30	
1,1-Dichloroethane	ND	300	ppmv		ND				20	
1,2-Dichloroethane	ND	300	ppmv		ND				20	
1,1-Dichloroethene	ND	320	ppmv		ND				20	
cis-1,2-Dichloroethene	ND	320	ppmv		ND				20	
trans-1,2-Dichloroethene	ND	320	ppmv		ND				20	
1,2-Dichloropropane	ND	280	ppmv		ND				20	
1,3-Dichloropropane	ND	280	ppmv		ND				20	
2,2-Dichloropropane	ND	280	ppmv		ND				25	
cis-1,3-Dichloropropene	ND	280	ppmv		ND				20	
trans-1,3-Dichloropropene	ND	280	ppmv		ND				20	
1,1-Dichloropropene	ND	280	ppmv		ND				20	
Ethylbenzene	717	300	ppmv		668			7	20	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1009 Extracted: 01/11/11										
Duplicate Analyzed: 01/12/2011 (11A1009-DUP1)					**Source: IUA0834-04**					
Hexachlorobutadiene	ND	120	ppmv		ND				20	
Isopropylbenzene	ND	250	ppmv		ND				20	
p-Isopropyltoluene	ND	230	ppmv		ND				20	
Methylene chloride	ND	350	ppmv		ND				20	
Naphthalene	ND	250	ppmv		ND				25	
n-Propylbenzene	ND	250	ppmv		ND				20	
Styrene	ND	600	ppmv		ND				20	
1,1,1,2-Tetrachloroethane	ND	180	ppmv		ND				20	
1,1,2,2-Tetrachloroethane	ND	180	ppmv		ND				25	
Tetrachloroethene	ND	180	ppmv		ND				20	
Toluene	86.2	320	ppmv		83.6			3	20	
1,2,3-Trichlorobenzene	ND	170	ppmv		ND				20	
1,2,4-Trichlorobenzene	ND	170	ppmv		ND				20	
1,1,1-Trichloroethane	ND	230	ppmv		ND				20	
1,1,2-Trichloroethane	ND	230	ppmv		ND				20	
Trichloroethene	ND	230	ppmv		ND				20	
Trichlorofluoromethane	ND	220	ppmv		ND				20	
1,2,3-Trichloropropane	ND	210	ppmv		ND				20	
1,2,4-Trimethylbenzene	ND	250	ppmv		ND				20	
1,3,5-Trimethylbenzene	ND	250	ppmv		ND				20	
Vinyl chloride	ND	500	ppmv		ND				30	
m,p-Xylenes	ND	300	ppmv		ND				20	
o-Xylene	ND	300	ppmv		ND				20	
Di-isopropyl Ether (DIPE)	ND	300	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	320	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	350	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	300	ppmv		ND				25	
tert-Butanol (TBA)	ND	4200	ppmv		ND				25	
Surrogate: 4-Bromofluorobenzene	*6.38*		*ppmv*	*6.99*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*6.57*		*ppmv*	*6.37*		*103*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*102*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1014 Extracted: 01/11/11										
Blank Analyzed: 01/11/2011 (11A1014-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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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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1014 Extracted: 01/11/11										
Blank Analyzed: 01/11/2011 (11A1014-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	*6.35*		*ppmv*	*6.99*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*6.67*		*ppmv*	*6.37*		*105*	*80-120*			
Surrogate: Toluene-d8	*12.0*		*ppmv*	*12.2*		*98*	*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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1014 Extracted: 01/11/11										
LCS Analyzed: 01/11/2011 (11A1014-BS1)										
Benzene	12.0	1.6	ppmv	15.7		76	70-120			
Bromobenzene	6.64	0.78	ppmv	7.79		85	75-120			
Bromochloromethane	8.66	0.94	ppmv	9.45		92	70-130			
Bromodichloromethane	8.01	0.75	ppmv	7.46		107	70-135			
Bromoform	4.86	0.48	ppmv	4.84		101	55-130			
Bromomethane	10.9	1.3	ppmv	12.9		85	65-140			
n-Butylbenzene	7.64	0.91	ppmv	9.11		84	70-130			
sec-Butylbenzene	8.17	0.91	ppmv	9.11		90	70-125			
tert-Butylbenzene	8.23	0.91	ppmv	9.11		90	70-125			
Carbon tetrachloride	9.71	0.79	ppmv	7.95		122	65-140			
Chlorobenzene	9.15	1.2	ppmv	10.9		84	75-120			
Chloroethane	13.3	1.9	ppmv	18.9		70	60-140			
Chloroform	9.43	1.0	ppmv	10.2		92	70-130			
Chloromethane	16.4	2.4	ppmv	24.2		68	50-140			
2-Chlorotoluene	7.90	1.0	ppmv	9.66		82	70-125			
4-Chlorotoluene	8.12	1.0	ppmv	9.66		84	75-125			
1,2-Dibromo-3-chloropropane	5.31	1.0	ppmv	5.17		103	50-135			
Dibromochloromethane	6.71	0.59	ppmv	5.87		114	70-140			
1,2-Dibromoethane (EDB)	5.98	0.65	ppmv	6.51		92	75-125			
Dibromomethane	6.55	0.70	ppmv	7.03		93	70-125			
1,2-Dichlorobenzene	7.88	0.83	ppmv	8.32		95	75-120			
1,3-Dichlorobenzene	7.77	0.83	ppmv	8.32		93	75-120			
1,4-Dichlorobenzene	8.02	0.83	ppmv	8.32		96	75-120			
Dichlorodifluoromethane	9.50	1.0	ppmv	10.1		94	35-155			
1,1-Dichloroethane	10.2	1.2	ppmv	12.4		83	70-125			
1,2-Dichloroethane	13.0	1.2	ppmv	12.4		105	60-140			
1,1-Dichloroethene	10.0	1.3	ppmv	12.6		80	70-125			
cis-1,2-Dichloroethene	10.8	1.3	ppmv	12.6		85	70-125			
trans-1,2-Dichloroethene	10.5	1.3	ppmv	12.6		83	70-125			
1,2-Dichloropropane	8.82	1.1	ppmv	10.8		82	70-125			
1,3-Dichloropropane	8.71	1.1	ppmv	10.8		81	70-120			
2,2-Dichloropropane	12.0	1.1	ppmv	10.8		111	65-140			
cis-1,3-Dichloropropene	9.70	1.1	ppmv	11.0		88	75-125			
trans-1,3-Dichloropropene	11.4	1.1	ppmv	11.0		103	70-125			
1,1-Dichloropropene	9.59	1.1	ppmv	11.0		87	75-130			
Ethylbenzene	9.68	1.2	ppmv	11.5		84	75-125			

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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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1014 Extracted: 01/11/11										
LCS Analyzed: 01/11/2011 (11A1014-BS1)										
Hexachlorobutadiene	4.52	0.47	ppmv	4.69		96	65-135			
Isopropylbenzene	8.40	1.0	ppmv	10.2		83	75-130			
p-Isopropyltoluene	8.51	0.91	ppmv	9.11		93	75-125			
Methylene chloride	10.7	1.4	ppmv	14.4		74	55-130			
Naphthalene	10.1	1.0	ppmv	9.54		106	55-135			
n-Propylbenzene	7.82	1.0	ppmv	10.2		77	75-130			
Styrene	10.5	2.4	ppmv	11.7		89	75-130			
1,1,1,2-Tetrachloroethane	7.48	0.73	ppmv	7.28		103	70-130			
1,1,2,2-Tetrachloroethane	5.61	0.73	ppmv	7.28		77	55-130			
Tetrachloroethene	6.47	0.74	ppmv	7.37		88	70-125			
Toluene	11.4	1.3	ppmv	13.3		86	70-120			
1,2,3-Trichlorobenzene	6.42	0.67	ppmv	6.74		95	65-125			
1,2,4-Trichlorobenzene	6.24	0.67	ppmv	6.74		93	70-135			
1,1,1-Trichloroethane	10.2	0.92	ppmv	9.16		111	65-135			
1,1,2-Trichloroethane	7.92	0.92	ppmv	9.16		86	70-125			
Trichloroethene	8.90	0.93	ppmv	9.30		96	70-125			
Trichlorofluoromethane	10.8	0.89	ppmv	8.90		121	65-145			
1,2,3-Trichloropropane	6.50	0.83	ppmv	8.29		78	60-130			
1,2,4-Trimethylbenzene	9.40	1.0	ppmv	10.2		92	75-125			
1,3,5-Trimethylbenzene	8.68	1.0	ppmv	10.2		85	75-125			
Vinyl chloride	16.4	2.0	ppmv	19.6		84	55-135			
m,p-Xylenes	19.5	1.2	ppmv	23.0		85	75-125			
Di-isopropyl Ether (DIPE)	9.49	1.2	ppmv	12.0		79	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.4	1.3	ppmv	12.0		87	65-135			
Methyl-tert-butyl Ether (MTBE)	12.1	1.4	ppmv	13.9		87	60-135			
tert-Amyl Methyl Ether (TAME)	10.1	1.2	ppmv	12.0		85	60-135			
tert-Butanol (TBA)	82.0	17	ppmv	82.5		99	70-135			
Surrogate: 4-Bromofluorobenzene	*6.66*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.92*		*ppmv*	*6.37*		*109*	*80-120*			
Surrogate: Toluene-d8	*12.0*		*ppmv*	*12.2*		*99*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1014 Extracted: 01/11/11										
Duplicate Analyzed: 01/11/2011 (11A1014-DUP1)					**Source: IUA0834-01**					
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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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: IUA0834

Sampled: 01/10/11
Received: 01/10/11

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: 11A1014 Extracted: 01/11/11										
Duplicate Analyzed: 01/11/2011 (11A1014-DUP1)					**Source: IUA0834-01**					
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	
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	*6.38*		*ppmv*	*6.99*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*6.65*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*11.5*		*ppmv*	*12.2*		*95*	*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: IUA0834	Sampled: 01/10/11 Received: 01/10/11	

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: 11A1048 Extracted: 01/11/11										
Duplicate Analyzed: 01/11/2011 (11A1048-DUP1)					**Source: IUA0834-01**					
Carbon Dioxide	1.94	0.10	% by Volume		1.93			0.5	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	*C*
Nitrogen	77.4	20	% by Volume		77.4			0	20	
Oxygen	20.6	5.5	% by Volume		20.6			0.05	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: IUA0834	Sampled: 01/10/11 Received: 01/10/11

DATA QUALIFIERS AND DEFINITIONS

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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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: IUA0834	Sampled: 01/10/11 Received: 01/10/11

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 America STL Other_____

Lab Identification (if necessary):

- [x] TA - Irvine, California
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

IUA 0834

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced: Roger Shakely

- [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: 01/10/2011

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

LAB USE ONLY

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	1/10	14:00	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	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		01/10/2011	16:45
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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: 02/08/11
Received: 02/08/11
Issued: 02/23/11 09:02

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
IUB0801-01	Effluent	Air
IUB0801-02	Carbon 1	Air
IUB0801-03	Post Ambient Air	Air
IUB0801-04	Inlet	Air
IUB0801-05	Post Ambient Air 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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11B1246	1.6	ND	1	2/10/2011	2/10/2011	
Bromobenzene	EPA 8260B MOD	11B1246	0.78	ND	1	2/10/2011	2/10/2011	
Bromochloromethane	EPA 8260B MOD	11B1246	0.94	ND	1	2/10/2011	2/10/2011	
Bromodichloromethane	EPA 8260B MOD	11B1246	0.75	ND	1	2/10/2011	2/10/2011	
Bromoform	EPA 8260B MOD	11B1246	0.48	ND	1	2/10/2011	2/10/2011	
Bromomethane	EPA 8260B MOD	11B1246	1.3	ND	1	2/10/2011	2/10/2011	
n-Butylbenzene	EPA 8260B MOD	11B1246	0.91	ND	1	2/10/2011	2/10/2011	
sec-Butylbenzene	EPA 8260B MOD	11B1246	0.91	ND	1	2/10/2011	2/10/2011	
tert-Butylbenzene	EPA 8260B MOD	11B1246	0.91	ND	1	2/10/2011	2/10/2011	
Carbon tetrachloride	EPA 8260B MOD	11B1246	0.79	ND	1	2/10/2011	2/10/2011	
Chlorobenzene	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
Chloroethane	EPA 8260B MOD	11B1246	1.9	ND	1	2/10/2011	2/10/2011	
Chloroform	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
Chloromethane	EPA 8260B MOD	11B1246	2.4	ND	1	2/10/2011	2/10/2011	
2-Chlorotoluene	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
4-Chlorotoluene	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
Dibromochloromethane	EPA 8260B MOD	11B1246	0.59	ND	1	2/10/2011	2/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11B1246	0.65	ND	1	2/10/2011	2/10/2011	
Dibromomethane	EPA 8260B MOD	11B1246	0.70	ND	1	2/10/2011	2/10/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11B1246	0.83	ND	1	2/10/2011	2/10/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11B1246	0.83	ND	1	2/10/2011	2/10/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11B1246	0.83	ND	1	2/10/2011	2/10/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
1,1-Dichloroethane	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
1,2-Dichloroethane	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
1,1-Dichloroethene	EPA 8260B MOD	11B1246	1.3	ND	1	2/10/2011	2/10/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11B1246	1.3	ND	1	2/10/2011	2/10/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11B1246	1.3	ND	1	2/10/2011	2/10/2011	
1,2-Dichloropropane	EPA 8260B MOD	11B1246	1.1	ND	1	2/10/2011	2/10/2011	
1,3-Dichloropropane	EPA 8260B MOD	11B1246	1.1	ND	1	2/10/2011	2/10/2011	
2,2-Dichloropropane	EPA 8260B MOD	11B1246	1.1	ND	1	2/10/2011	2/10/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11B1246	1.1	ND	1	2/10/2011	2/10/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11B1246	1.1	ND	1	2/10/2011	2/10/2011	
1,1-Dichloropropene	EPA 8260B MOD	11B1246	1.1	ND	1	2/10/2011	2/10/2011	
Ethylbenzene	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
Hexachlorobutadiene	EPA 8260B MOD	11B1246	0.47	ND	1	2/10/2011	2/10/2011	
Isopropylbenzene	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
p-Isopropyltoluene	EPA 8260B MOD	11B1246	0.91	ND	1	2/10/2011	2/10/2011	
Methylene chloride	EPA 8260B MOD	11B1246	1.4	ND	1	2/10/2011	2/10/2011	
Naphthalene	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	

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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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
Styrene	EPA 8260B MOD	11B1246	2.4	ND	1	2/10/2011	2/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11B1246	0.73	ND	1	2/10/2011	2/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11B1246	0.73	ND	1	2/10/2011	2/10/2011	
Tetrachloroethene	EPA 8260B MOD	11B1246	0.74	ND	1	2/10/2011	2/10/2011	
Toluene	EPA 8260B MOD	11B1246	1.3	ND	1	2/10/2011	2/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11B1246	0.67	ND	1	2/10/2011	2/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11B1246	0.67	ND	1	2/10/2011	2/10/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11B1246	0.92	ND	1	2/10/2011	2/10/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11B1246	0.92	ND	1	2/10/2011	2/10/2011	
Trichloroethene	EPA 8260B MOD	11B1246	0.93	ND	1	2/10/2011	2/10/2011	
Trichlorofluoromethane	EPA 8260B MOD	11B1246	0.89	ND	1	2/10/2011	2/10/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11B1246	0.83	ND	1	2/10/2011	2/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11B1246	1.0	ND	1	2/10/2011	2/10/2011	
Vinyl chloride	EPA 8260B MOD	11B1246	2.0	ND	1	2/10/2011	2/10/2011	
m,p-Xylenes	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
o-Xylene	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11B1246	1.3	ND	1	2/10/2011	2/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11B1246	1.4	ND	1	2/10/2011	2/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11B1246	1.2	ND	1	2/10/2011	2/10/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11B1246	17	ND	1	2/10/2011	2/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11B1433	16	**430**	10	2/11/2011	2/11/2011	
Bromobenzene	EPA 8260B MOD	11B1433	7.8	ND	10	2/11/2011	2/11/2011	
Bromochloromethane	EPA 8260B MOD	11B1433	9.4	ND	10	2/11/2011	2/11/2011	
Bromodichloromethane	EPA 8260B MOD	11B1433	7.5	ND	10	2/11/2011	2/11/2011	
Bromoform	EPA 8260B MOD	11B1433	4.8	ND	10	2/11/2011	2/11/2011	
Bromomethane	EPA 8260B MOD	11B1433	13	ND	10	2/11/2011	2/11/2011	
n-Butylbenzene	EPA 8260B MOD	11B1433	9.1	ND	10	2/11/2011	2/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11B1433	9.1	ND	10	2/11/2011	2/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11B1433	9.1	ND	10	2/11/2011	2/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11B1433	7.9	ND	10	2/11/2011	2/11/2011	
Chlorobenzene	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
Chloroethane	EPA 8260B MOD	11B1433	19	ND	10	2/11/2011	2/11/2011	
Chloroform	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
Chloromethane	EPA 8260B MOD	11B1433	24	ND	10	2/11/2011	2/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
Dibromochloromethane	EPA 8260B MOD	11B1433	5.9	ND	10	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11B1433	6.5	ND	10	2/11/2011	2/11/2011	
Dibromomethane	EPA 8260B MOD	11B1433	7.0	ND	10	2/11/2011	2/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11B1433	8.3	ND	10	2/11/2011	2/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11B1433	8.3	ND	10	2/11/2011	2/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11B1433	8.3	ND	10	2/11/2011	2/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11B1433	13	ND	10	2/11/2011	2/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11B1433	13	ND	10	2/11/2011	2/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11B1433	13	ND	10	2/11/2011	2/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11B1433	11	ND	10	2/11/2011	2/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11B1433	11	ND	10	2/11/2011	2/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11B1433	11	ND	10	2/11/2011	2/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11B1433	11	ND	10	2/11/2011	2/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11B1433	11	ND	10	2/11/2011	2/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11B1433	11	ND	10	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11B1433	4.7	ND	10	2/11/2011	2/11/2011	
Isopropylbenzene	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11B1433	9.1	ND	10	2/11/2011	2/11/2011	
Methylene chloride	EPA 8260B MOD	11B1433	14	ND	10	2/11/2011	2/11/2011	
Naphthalene	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	

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Project Manager

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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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
Styrene	EPA 8260B MOD	11B1433	24	ND	10	2/11/2011	2/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11B1433	7.3	ND	10	2/11/2011	2/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11B1433	7.3	ND	10	2/11/2011	2/11/2011	
Tetrachloroethene	EPA 8260B MOD	11B1433	7.4	ND	10	2/11/2011	2/11/2011	
Toluene	EPA 8260B MOD	11B1433	13	ND	10	2/11/2011	2/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11B1433	6.7	ND	10	2/11/2011	2/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11B1433	6.7	ND	10	2/11/2011	2/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11B1433	9.2	ND	10	2/11/2011	2/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11B1433	9.2	ND	10	2/11/2011	2/11/2011	
Trichloroethene	EPA 8260B MOD	11B1433	9.3	ND	10	2/11/2011	2/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11B1433	8.9	ND	10	2/11/2011	2/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11B1433	8.3	ND	10	2/11/2011	2/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11B1433	10	ND	10	2/11/2011	2/11/2011	
Vinyl chloride	EPA 8260B MOD	11B1433	20	ND	10	2/11/2011	2/11/2011	
m,p-Xylenes	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
o-Xylene	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11B1433	13	ND	10	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11B1433	14	ND	10	2/11/2011	2/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11B1433	12	ND	10	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11B1433	170	ND	10	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*118 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11B1246	80	**2200**	50	2/8/2011	2/10/2011	
Bromobenzene	EPA 8260B MOD	11B1246	39	ND	50	2/8/2011	2/10/2011	
Bromochloromethane	EPA 8260B MOD	11B1246	47	ND	50	2/8/2011	2/10/2011	
Bromodichloromethane	EPA 8260B MOD	11B1246	38	ND	50	2/8/2011	2/10/2011	
Bromoform	EPA 8260B MOD	11B1246	24	ND	50	2/8/2011	2/10/2011	
Bromomethane	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
n-Butylbenzene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
sec-Butylbenzene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
tert-Butylbenzene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Carbon tetrachloride	EPA 8260B MOD	11B1246	40	ND	50	2/8/2011	2/10/2011	
Chlorobenzene	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
Chloroethane	EPA 8260B MOD	11B1246	95	ND	50	2/8/2011	2/10/2011	
Chloroform	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Chloromethane	EPA 8260B MOD	11B1246	120	ND	50	2/8/2011	2/10/2011	
2-Chlorotoluene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
4-Chlorotoluene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Dibromochloromethane	EPA 8260B MOD	11B1246	30	ND	50	2/8/2011	2/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11B1246	32	ND	50	2/8/2011	2/10/2011	
Dibromomethane	EPA 8260B MOD	11B1246	35	ND	50	2/8/2011	2/10/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
1,1-Dichloroethane	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
1,2-Dichloroethane	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
1,1-Dichloroethene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
1,2-Dichloropropane	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
1,3-Dichloropropane	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
2,2-Dichloropropane	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
1,1-Dichloropropene	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
Ethylbenzene	EPA 8260B MOD	11B1246	60	**91**	50	2/8/2011	2/10/2011	
Hexachlorobutadiene	EPA 8260B MOD	11B1246	24	ND	50	2/8/2011	2/10/2011	
Isopropylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
p-Isopropyltoluene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Methylene chloride	EPA 8260B MOD	11B1246	70	ND	50	2/8/2011	2/10/2011	
Naphthalene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Styrene	EPA 8260B MOD	11B1246	120	ND	50	2/8/2011	2/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11B1246	36	ND	50	2/8/2011	2/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11B1246	36	ND	50	2/8/2011	2/10/2011	
Tetrachloroethene	EPA 8260B MOD	11B1246	37	ND	50	2/8/2011	2/10/2011	
Toluene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11B1246	34	ND	50	2/8/2011	2/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11B1246	34	ND	50	2/8/2011	2/10/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Trichloroethene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Trichlorofluoromethane	EPA 8260B MOD	11B1246	44	ND	50	2/8/2011	2/10/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Vinyl chloride	EPA 8260B MOD	11B1246	100	ND	50	2/8/2011	2/10/2011	
m,p-Xylenes	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
o-Xylene	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11B1246	70	ND	50	2/8/2011	2/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11B1246	850	ND	50	2/8/2011	2/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11B1246	800	**19000**	500	2/8/2011	2/10/2011	
Bromobenzene	EPA 8260B MOD	11B1246	390	ND	500	2/8/2011	2/10/2011	
Bromochloromethane	EPA 8260B MOD	11B1246	470	ND	500	2/8/2011	2/10/2011	
Bromodichloromethane	EPA 8260B MOD	11B1246	380	ND	500	2/8/2011	2/10/2011	
Bromoform	EPA 8260B MOD	11B1246	240	ND	500	2/8/2011	2/10/2011	
Bromomethane	EPA 8260B MOD	11B1246	650	ND	500	2/8/2011	2/10/2011	
n-Butylbenzene	EPA 8260B MOD	11B1246	460	ND	500	2/8/2011	2/10/2011	
sec-Butylbenzene	EPA 8260B MOD	11B1246	460	ND	500	2/8/2011	2/10/2011	
tert-Butylbenzene	EPA 8260B MOD	11B1246	460	ND	500	2/8/2011	2/10/2011	
Carbon tetrachloride	EPA 8260B MOD	11B1246	400	ND	500	2/8/2011	2/10/2011	
Chlorobenzene	EPA 8260B MOD	11B1246	600	ND	500	2/8/2011	2/10/2011	
Chloroethane	EPA 8260B MOD	11B1246	950	ND	500	2/8/2011	2/10/2011	
Chloroform	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
Chloromethane	EPA 8260B MOD	11B1246	1200	ND	500	2/8/2011	2/10/2011	
2-Chlorotoluene	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
4-Chlorotoluene	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
Dibromochloromethane	EPA 8260B MOD	11B1246	300	ND	500	2/8/2011	2/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11B1246	320	ND	500	2/8/2011	2/10/2011	
Dibromomethane	EPA 8260B MOD	11B1246	350	ND	500	2/8/2011	2/10/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11B1246	420	ND	500	2/8/2011	2/10/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11B1246	420	ND	500	2/8/2011	2/10/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11B1246	420	ND	500	2/8/2011	2/10/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
1,1-Dichloroethane	EPA 8260B MOD	11B1246	600	ND	500	2/8/2011	2/10/2011	
1,2-Dichloroethane	EPA 8260B MOD	11B1246	600	ND	500	2/8/2011	2/10/2011	
1,1-Dichloroethene	EPA 8260B MOD	11B1246	650	ND	500	2/8/2011	2/10/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11B1246	650	ND	500	2/8/2011	2/10/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11B1246	650	ND	500	2/8/2011	2/10/2011	
1,2-Dichloropropane	EPA 8260B MOD	11B1246	550	ND	500	2/8/2011	2/10/2011	
1,3-Dichloropropane	EPA 8260B MOD	11B1246	550	ND	500	2/8/2011	2/10/2011	
2,2-Dichloropropane	EPA 8260B MOD	11B1246	550	ND	500	2/8/2011	2/10/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11B1246	550	ND	500	2/8/2011	2/10/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11B1246	550	ND	500	2/8/2011	2/10/2011	
1,1-Dichloropropene	EPA 8260B MOD	11B1246	550	ND	500	2/8/2011	2/10/2011	
Ethylbenzene	EPA 8260B MOD	11B1246	600	**790**	500	2/8/2011	2/10/2011	
Hexachlorobutadiene	EPA 8260B MOD	11B1246	240	ND	500	2/8/2011	2/10/2011	
Isopropylbenzene	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
p-Isopropyltoluene	EPA 8260B MOD	11B1246	460	ND	500	2/8/2011	2/10/2011	
Methylene chloride	EPA 8260B MOD	11B1246	700	ND	500	2/8/2011	2/10/2011	
Naphthalene	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
Styrene	EPA 8260B MOD	11B1246	1200	ND	500	2/8/2011	2/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11B1246	360	ND	500	2/8/2011	2/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11B1246	360	ND	500	2/8/2011	2/10/2011	
Tetrachloroethene	EPA 8260B MOD	11B1246	370	ND	500	2/8/2011	2/10/2011	
Toluene	EPA 8260B MOD	11B1246	650	ND	500	2/8/2011	2/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11B1246	340	ND	500	2/8/2011	2/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11B1246	340	ND	500	2/8/2011	2/10/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11B1246	460	ND	500	2/8/2011	2/10/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11B1246	460	ND	500	2/8/2011	2/10/2011	
Trichloroethene	EPA 8260B MOD	11B1246	460	ND	500	2/8/2011	2/10/2011	
Trichlorofluoromethane	EPA 8260B MOD	11B1246	440	ND	500	2/8/2011	2/10/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11B1246	420	ND	500	2/8/2011	2/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11B1246	500	ND	500	2/8/2011	2/10/2011	
Vinyl chloride	EPA 8260B MOD	11B1246	1000	ND	500	2/8/2011	2/10/2011	
m,p-Xylenes	EPA 8260B MOD	11B1246	600	ND	500	2/8/2011	2/10/2011	
o-Xylene	EPA 8260B MOD	11B1246	600	ND	500	2/8/2011	2/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11B1246	600	ND	500	2/8/2011	2/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11B1246	650	ND	500	2/8/2011	2/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11B1246	700	ND	500	2/8/2011	2/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11B1246	600	ND	500	2/8/2011	2/10/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11B1246	8500	ND	500	2/8/2011	2/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11B1246	80	**1900**	50	2/8/2011	2/10/2011	
Bromobenzene	EPA 8260B MOD	11B1246	39	ND	50	2/8/2011	2/10/2011	
Bromochloromethane	EPA 8260B MOD	11B1246	47	ND	50	2/8/2011	2/10/2011	
Bromodichloromethane	EPA 8260B MOD	11B1246	38	ND	50	2/8/2011	2/10/2011	
Bromoform	EPA 8260B MOD	11B1246	24	ND	50	2/8/2011	2/10/2011	
Bromomethane	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
n-Butylbenzene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
sec-Butylbenzene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
tert-Butylbenzene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Carbon tetrachloride	EPA 8260B MOD	11B1246	40	ND	50	2/8/2011	2/10/2011	
Chlorobenzene	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
Chloroethane	EPA 8260B MOD	11B1246	95	ND	50	2/8/2011	2/10/2011	
Chloroform	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Chloromethane	EPA 8260B MOD	11B1246	120	ND	50	2/8/2011	2/10/2011	
2-Chlorotoluene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
4-Chlorotoluene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Dibromochloromethane	EPA 8260B MOD	11B1246	30	ND	50	2/8/2011	2/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11B1246	32	ND	50	2/8/2011	2/10/2011	
Dibromomethane	EPA 8260B MOD	11B1246	35	ND	50	2/8/2011	2/10/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
1,1-Dichloroethane	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
1,2-Dichloroethane	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
1,1-Dichloroethene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
1,2-Dichloropropane	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
1,3-Dichloropropane	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
2,2-Dichloropropane	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
1,1-Dichloropropene	EPA 8260B MOD	11B1246	55	ND	50	2/8/2011	2/10/2011	
Ethylbenzene	EPA 8260B MOD	11B1246	60	**70**	50	2/8/2011	2/10/2011	
Hexachlorobutadiene	EPA 8260B MOD	11B1246	24	ND	50	2/8/2011	2/10/2011	
Isopropylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
p-Isopropyltoluene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Methylene chloride	EPA 8260B MOD	11B1246	70	ND	50	2/8/2011	2/10/2011	
Naphthalene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Styrene	EPA 8260B MOD	11B1246	120	ND	50	2/8/2011	2/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11B1246	36	ND	50	2/8/2011	2/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11B1246	36	ND	50	2/8/2011	2/10/2011	
Tetrachloroethene	EPA 8260B MOD	11B1246	37	ND	50	2/8/2011	2/10/2011	
Toluene	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11B1246	34	ND	50	2/8/2011	2/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11B1246	34	ND	50	2/8/2011	2/10/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Trichloroethene	EPA 8260B MOD	11B1246	46	ND	50	2/8/2011	2/10/2011	
Trichlorofluoromethane	EPA 8260B MOD	11B1246	44	ND	50	2/8/2011	2/10/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11B1246	42	ND	50	2/8/2011	2/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11B1246	50	ND	50	2/8/2011	2/10/2011	
Vinyl chloride	EPA 8260B MOD	11B1246	100	ND	50	2/8/2011	2/10/2011	
m,p-Xylenes	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
o-Xylene	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11B1246	65	ND	50	2/8/2011	2/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11B1246	70	ND	50	2/8/2011	2/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11B1246	60	ND	50	2/8/2011	2/10/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11B1246	850	ND	50	2/8/2011	2/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: IUB0801-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11B1005	0.10	**2.4**	1	2/9/2011	2/9/2011	
Carbon Monoxide	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Methane	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Nitrogen	ASTM D1946-90	11B1005	20	**77**	1	2/9/2011	2/9/2011	
Oxygen	ASTM D1946-90	11B1005	5.5	**20**	1	2/9/2011	2/9/2011	
Sample ID: IUB0801-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11B1005	0.10	**2.2**	1	2/9/2011	2/9/2011	
Carbon Monoxide	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Methane	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Nitrogen	ASTM D1946-90	11B1005	20	**77**	1	2/9/2011	2/9/2011	
Oxygen	ASTM D1946-90	11B1005	5.5	**20**	1	2/9/2011	2/9/2011	
Sample ID: IUB0801-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11B1005	0.10	**2.2**	1	2/9/2011	2/9/2011	
Carbon Monoxide	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Methane	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Nitrogen	ASTM D1946-90	11B1005	20	**77**	1	2/9/2011	2/9/2011	
Oxygen	ASTM D1946-90	11B1005	5.5	**20**	1	2/9/2011	2/9/2011	
Sample ID: IUB0801-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11B1005	0.10	**19**	1	2/9/2011	2/9/2011	
Carbon Monoxide	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Methane	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Nitrogen	ASTM D1946-90	11B1005	20	**72**	1	2/9/2011	2/9/2011	
Oxygen	ASTM D1946-90	11B1005	5.5	**8.3**	1	2/9/2011	2/9/2011	
Sample ID: IUB0801-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11B1005	0.10	**2.2**	1	2/9/2011	2/9/2011	
Carbon Monoxide	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Methane	ASTM D1946-90	11B1005	0.10	ND	1	2/9/2011	2/9/2011	
Nitrogen	ASTM D1946-90	11B1005	20	**77**	1	2/9/2011	2/9/2011	
Oxygen	ASTM D1946-90	11B1005	5.5	**20**	1	2/9/2011	2/9/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUB0801-01) - Air					
ASTM D1946-90	3	02/08/2011 15:05	02/08/2011 15:05	02/09/2011 09:45	02/09/2011 09:45
EPA 8260B MOD	3	02/08/2011 15:05	02/08/2011 15:05	02/10/2011 10:08	02/10/2011 10:34
Sample ID: Carbon 1 (IUB0801-02) - Air					
ASTM D1946-90	3	02/08/2011 15:05	02/08/2011 15:05	02/09/2011 10:25	02/09/2011 10:25
EPA 8260B MOD	3	02/08/2011 15:05	02/08/2011 15:05	02/11/2011 09:45	02/11/2011 10:01
Sample ID: Post Ambient Air (IUB0801-03) - Air					
ASTM D1946-90	3	02/08/2011 15:05	02/08/2011 15:05	02/09/2011 10:44	02/09/2011 10:44
EPA 8260B MOD	3	02/08/2011 15:05	02/08/2011 15:05	02/08/2011 22:07	02/10/2011 15:40
Sample ID: Inlet (IUB0801-04) - Air					
ASTM D1946-90	3	02/08/2011 15:05	02/08/2011 15:05	02/09/2011 11:43	02/09/2011 11:43
EPA 8260B MOD	3	02/08/2011 15:05	02/08/2011 15:05	02/08/2011 22:10	02/10/2011 16:07
Sample ID: Post Ambient Air Dup (IUB0801-05) - Air					
ASTM D1946-90	3	02/08/2011 15:05	02/08/2011 15:05	02/09/2011 12:00	02/09/2011 12:00
EPA 8260B MOD	3	02/08/2011 15:05	02/08/2011 15:05	02/08/2011 22:13	02/10/2011 16:35

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1246 Extracted: 02/10/11										
Blank Analyzed: 02/10/2011 (11B1246-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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1246 Extracted: 02/10/11										
Blank Analyzed: 02/10/2011 (11B1246-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	*6.67*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.71*		*ppmv*	*6.37*		*105*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1246 Extracted: 02/10/11										
LCS Analyzed: 02/10/2011 (11B1246-BS1)										
Benzene	12.8	1.6	ppmv	15.7		82	70-120			
Bromobenzene	7.02	0.78	ppmv	7.79		90	75-120			
Bromochloromethane	8.23	0.94	ppmv	9.45		87	70-130			
Bromodichloromethane	7.67	0.75	ppmv	7.46		103	70-135			
Bromoform	4.40	0.48	ppmv	4.84		91	55-130			
Bromomethane	12.3	1.3	ppmv	12.9		95	65-140			
n-Butylbenzene	7.91	0.91	ppmv	9.11		87	70-130			
sec-Butylbenzene	8.10	0.91	ppmv	9.11		89	70-125			
tert-Butylbenzene	8.06	0.91	ppmv	9.11		89	70-125			
Carbon tetrachloride	8.55	0.79	ppmv	7.95		108	65-140			
Chlorobenzene	9.91	1.2	ppmv	10.9		91	75-120			
Chloroethane	16.0	1.9	ppmv	18.9		84	60-140			
Chloroform	9.25	1.0	ppmv	10.2		90	70-130			
Chloromethane	19.1	2.4	ppmv	24.2		79	50-140			
2-Chlorotoluene	8.29	1.0	ppmv	9.66		86	70-125			
4-Chlorotoluene	8.32	1.0	ppmv	9.66		86	75-125			
1,2-Dibromo-3-chloropropane	5.15	1.0	ppmv	5.17		100	50-135			
Dibromochloromethane	6.34	0.59	ppmv	5.87		108	70-140			
1,2-Dibromoethane (EDB)	6.25	0.65	ppmv	6.51		96	75-125			
Dibromomethane	6.83	0.70	ppmv	7.03		97	70-125			
1,2-Dichlorobenzene	7.64	0.83	ppmv	8.32		92	75-120			
1,3-Dichlorobenzene	7.36	0.83	ppmv	8.32		88	75-120			
1,4-Dichlorobenzene	7.44	0.83	ppmv	8.32		89	75-120			
Dichlorodifluoromethane	7.25	1.0	ppmv	10.1		72	35-155			
1,1-Dichloroethane	10.7	1.2	ppmv	12.4		87	70-125			
1,2-Dichloroethane	12.1	1.2	ppmv	12.4		98	60-140			
1,1-Dichloroethene	10.3	1.3	ppmv	12.6		82	70-125			
cis-1,2-Dichloroethene	10.5	1.3	ppmv	12.6		83	70-125			
trans-1,2-Dichloroethene	10.4	1.3	ppmv	12.6		82	70-125			
1,2-Dichloropropane	9.35	1.1	ppmv	10.8		86	70-125			
1,3-Dichloropropane	10.1	1.1	ppmv	10.8		93	70-120			
2,2-Dichloropropane	10.5	1.1	ppmv	10.8		97	65-140			
cis-1,3-Dichloropropene	10.5	1.1	ppmv	11.0		95	75-125			
trans-1,3-Dichloropropene	11.5	1.1	ppmv	11.0		104	70-125			
1,1-Dichloropropene	9.86	1.1	ppmv	11.0		89	75-130			
Ethylbenzene	10.2	1.2	ppmv	11.5		89	75-125			

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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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1246 Extracted: 02/10/11										
LCS Analyzed: 02/10/2011 (11B1246-BS1)										
Hexachlorobutadiene	4.45	0.47	ppmv	4.69		95	65-135			
Isopropylbenzene	8.55	1.0	ppmv	10.2		84	75-130			
p-Isopropyltoluene	8.23	0.91	ppmv	9.11		90	75-125			
Methylene chloride	11.3	1.4	ppmv	14.4		79	55-130			
Naphthalene	8.97	1.0	ppmv	9.54		94	55-135			
n-Propylbenzene	8.93	1.0	ppmv	10.2		88	75-130			
Styrene	10.4	2.4	ppmv	11.7		89	75-130			
1,1,1,2-Tetrachloroethane	7.29	0.73	ppmv	7.28		100	70-130			
1,1,2,2-Tetrachloroethane	6.24	0.73	ppmv	7.28		86	55-130			
Tetrachloroethene	6.98	0.74	ppmv	7.37		95	70-125			
Toluene	11.3	1.3	ppmv	13.3		85	70-120			
1,2,3-Trichlorobenzene	6.34	0.67	ppmv	6.74		94	65-125			
1,2,4-Trichlorobenzene	6.46	0.67	ppmv	6.74		96	70-135			
1,1,1-Trichloroethane	9.06	0.92	ppmv	9.16		99	65-135			
1,1,2-Trichloroethane	8.58	0.92	ppmv	9.16		94	70-125			
Trichloroethene	8.42	0.93	ppmv	9.30		91	70-125			
Trichlorofluoromethane	9.09	0.89	ppmv	8.90		102	65-145			
1,2,3-Trichloropropane	7.62	0.83	ppmv	8.29		92	60-130			
1,2,4-Trimethylbenzene	9.00	1.0	ppmv	10.2		89	75-125			
1,3,5-Trimethylbenzene	8.90	1.0	ppmv	10.2		87	75-125			
Vinyl chloride	18.8	2.0	ppmv	19.6		96	55-135			
m,p-Xylenes	19.4	1.2	ppmv	23.0		84	75-125			
Di-isopropyl Ether (DIPE)	9.71	1.2	ppmv	12.0		81	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.6	1.3	ppmv	12.0		88	65-135			
Methyl-tert-butyl Ether (MTBE)	12.6	1.4	ppmv	13.9		91	60-135			
tert-Amyl Methyl Ether (TAME)	11.2	1.2	ppmv	12.0		94	60-135			
tert-Butanol (TBA)	87.5	17	ppmv	82.5		106	70-135			
Surrogate: 4-Bromofluorobenzene	*6.89*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*6.53*		*ppmv*	*6.37*		*103*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*103*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1246 Extracted: 02/10/11										
Duplicate Analyzed: 02/10/2011 (11B1246-DUP1)					**Source: IUB0801-01**					
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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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1246 Extracted: 02/10/11										
Duplicate Analyzed: 02/10/2011 (11B1246-DUP1)					**Source: IUB0801-01**					
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	
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	*6.87*		*ppmv*	*6.99*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*6.86*		*ppmv*	*6.37*		*108*	*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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1433 Extracted: 02/11/11										
Blank Analyzed: 02/11/2011 (11B1433-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							

TestAmerica Irvine

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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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1433 Extracted: 02/11/11										
Blank Analyzed: 02/11/2011 (11B1433-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	*6.67*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*7.60*		*ppmv*	*6.37*		*119*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*ppmv*	*12.2*		*101*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1433 Extracted: 02/11/11										
LCS Analyzed: 02/11/2011 (11B1433-BS1)										
Benzene	15.4	1.6	ppmv	15.7		98	70-120			
Bromobenzene	8.37	0.78	ppmv	7.79		108	75-120			
Bromochloromethane	10.6	0.94	ppmv	9.45		112	70-130			
Bromodichloromethane	7.66	0.75	ppmv	7.46		103	70-135			
Bromoform	4.55	0.48	ppmv	4.84		94	55-130			
Bromomethane	12.3	1.3	ppmv	12.9		95	65-140			
n-Butylbenzene	9.34	0.91	ppmv	9.11		103	70-130			
sec-Butylbenzene	9.97	0.91	ppmv	9.11		109	70-125			
tert-Butylbenzene	9.72	0.91	ppmv	9.11		107	70-125			
Carbon tetrachloride	8.06	0.79	ppmv	7.95		101	65-140			
Chlorobenzene	12.2	1.2	ppmv	10.9		112	75-120			
Chloroethane	19.1	1.9	ppmv	18.9		101	60-140			
Chloroform	10.2	1.0	ppmv	10.2		100	70-130			
Chloromethane	23.3	2.4	ppmv	24.2		96	50-140			
2-Chlorotoluene	9.97	1.0	ppmv	9.66		103	70-125			
4-Chlorotoluene	10.1	1.0	ppmv	9.66		105	75-125			
1,2-Dibromo-3-chloropropane	5.48	1.0	ppmv	5.17		106	50-135			
Dibromochloromethane	6.86	0.59	ppmv	5.87		117	70-140			
1,2-Dibromoethane (EDB)	6.86	0.65	ppmv	6.51		105	75-125			
Dibromomethane	7.11	0.70	ppmv	7.03		101	70-125			
1,2-Dichlorobenzene	8.66	0.83	ppmv	8.32		104	75-120			
1,3-Dichlorobenzene	8.70	0.83	ppmv	8.32		105	75-120			
1,4-Dichlorobenzene	9.29	0.83	ppmv	8.32		112	75-120			
Dichlorodifluoromethane	8.42	1.0	ppmv	10.1		83	35-155			
1,1-Dichloroethane	13.8	1.2	ppmv	12.4		112	70-125			
1,2-Dichloroethane	11.2	1.2	ppmv	12.4		90	60-140			
1,1-Dichloroethene	14.7	1.3	ppmv	12.6		116	70-125			
cis-1,2-Dichloroethene	14.3	1.3	ppmv	12.6		114	70-125			
trans-1,2-Dichloroethene	14.9	1.3	ppmv	12.6		118	70-125			
1,2-Dichloropropane	11.2	1.1	ppmv	10.8		103	70-125			
1,3-Dichloropropane	11.0	1.1	ppmv	10.8		102	70-120			
2,2-Dichloropropane	12.9	1.1	ppmv	10.8		119	65-140			
cis-1,3-Dichloropropene	11.5	1.1	ppmv	11.0		105	75-125			
trans-1,3-Dichloropropene	11.6	1.1	ppmv	11.0		105	70-125			
1,1-Dichloropropene	11.6	1.1	ppmv	11.0		105	75-130			
Ethylbenzene	12.2	1.2	ppmv	11.5		106	75-125			

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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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1433 Extracted: 02/11/11										
LCS Analyzed: 02/11/2011 (11B1433-BS1)										
Hexachlorobutadiene	4.45	0.47	ppmv	4.69		95	65-135			
Isopropylbenzene	10.4	1.0	ppmv	10.2		102	75-130			
p-Isopropyltoluene	9.96	0.91	ppmv	9.11		109	75-125			
Methylene chloride	15.7	1.4	ppmv	14.4		109	55-130			
Naphthalene	10.0	1.0	ppmv	9.54		105	55-135			
n-Propylbenzene	11.1	1.0	ppmv	10.2		109	75-130			
Styrene	12.3	2.4	ppmv	11.7		105	75-130			
1,1,1,2-Tetrachloroethane	7.85	0.73	ppmv	7.28		108	70-130			
1,1,2,2-Tetrachloroethane	7.73	0.73	ppmv	7.28		106	55-130			
Tetrachloroethene	7.67	0.74	ppmv	7.37		104	70-125			
Toluene	12.8	1.3	ppmv	13.3		96	70-120			
1,2,3-Trichlorobenzene	6.40	0.67	ppmv	6.74		95	65-125			
1,2,4-Trichlorobenzene	6.54	0.67	ppmv	6.74		97	70-135			
1,1,1-Trichloroethane	10.2	0.92	ppmv	9.16		111	65-135			
1,1,2-Trichloroethane	9.26	0.92	ppmv	9.16		101	70-125			
Trichloroethene	9.96	0.93	ppmv	9.30		107	70-125			
Trichlorofluoromethane	8.73	0.89	ppmv	8.90		98	65-145			
1,2,3-Trichloropropane	8.74	0.83	ppmv	8.29		105	60-130			
1,2,4-Trimethylbenzene	10.7	1.0	ppmv	10.2		105	75-125			
1,3,5-Trimethylbenzene	10.7	1.0	ppmv	10.2		106	75-125			
Vinyl chloride	18.3	2.0	ppmv	19.6		93	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)	10.1	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)	9.91	1.2	ppmv	12.0		83	60-135			
tert-Butanol (TBA)	104	17	ppmv	82.5		126	70-135			
Surrogate: 4-Bromofluorobenzene	*6.78*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.79*		*ppmv*	*6.37*		*107*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1433 Extracted: 02/11/11										
Duplicate Analyzed: 02/11/2011 (11B1433-DUP1)					**Source: IUB1081-07**					
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	0.360	1.0	ppmv		0.315			13	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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1433 Extracted: 02/11/11										
Duplicate Analyzed: 02/11/2011 (11B1433-DUP1)					**Source: IUB1081-07**					
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	
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	*6.61*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*7.67*		*ppmv*	*6.37*		*120*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*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: IUB0801

Sampled: 02/08/11
Received: 02/08/11

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: 11B1005 Extracted: 02/09/11										
Duplicate Analyzed: 02/09/2011 (11B1005-DUP1)					**Source: IUB0801-01**					
Carbon Dioxide	2.28	0.10	% by Volume		2.36			3	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	76.2	20	% by Volume		77.2			1	20	
Oxygen	21.5	5.5	% by Volume		20.4			5	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: IUB0801	Sampled: 02/08/11 Received: 02/08/11

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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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	Sampled: 02/08/11 Received: 02/08/11
	Report Number:	IUB0801	

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_____

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: Roger Shakely

- [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: 02/08/2011

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, CA

LAB USE ONLY

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	2/8/11		Air	1 Tedlar														X	X						
	Carbon 1	2/8/11		Air	1 Tedlar														X	X						
	Post Ambient Air	2/8/11		Air	1 Tedlar														X	X						
	Inlet	2/8/11		Air	1 Tedlar														X	X						
	Post Ambient Air Dup	2/8/11		Air	1 Tedlar														X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	02/08/2011	15:05
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

KH 28-11 1540

11/18/05 Revision

Q&Q Graphic (714) 898-9702

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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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11C1380	1.6	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B MOD	11C1380	0.78	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B MOD	11C1380	0.94	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B MOD	11C1380	0.75	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B MOD	11C1380	0.48	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B MOD	11C1380	1.3	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B MOD	11C1380	0.91	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B MOD	11C1380	0.91	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B MOD	11C1380	0.91	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B MOD	11C1380	0.79	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B MOD	11C1380	1.9	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B MOD	11C1380	2.4	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B MOD	11C1380	0.59	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11C1380	0.65	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B MOD	11C1380	0.70	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11C1380	0.83	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11C1380	0.83	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11C1380	0.83	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B MOD	11C1380	1.3	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11C1380	1.3	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11C1380	1.3	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B MOD	11C1380	1.1	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B MOD	11C1380	1.1	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B MOD	11C1380	1.1	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11C1380	1.1	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11C1380	1.1	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B MOD	11C1380	1.1	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B MOD	11C1380	0.47	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B MOD	11C1380	0.91	ND	1	3/10/2011	3/10/2011	
Methylene chloride	EPA 8260B MOD	11C1380	1.4	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B MOD	11C1380	2.4	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11C1380	0.73	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11C1380	0.73	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B MOD	11C1380	0.74	ND	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B MOD	11C1380	1.3	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11C1380	0.67	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11C1380	0.67	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11C1380	0.92	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11C1380	0.92	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B MOD	11C1380	0.93	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B MOD	11C1380	0.89	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11C1380	0.83	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11C1380	1.0	ND	1	3/10/2011	3/10/2011	
Vinyl chloride	EPA 8260B MOD	11C1380	2.0	ND	1	3/10/2011	3/10/2011	
m,p-Xylenes	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
o-Xylene	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11C1380	1.3	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11C1380	1.4	ND	1	3/10/2011	3/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11C1380	1.2	ND	1	3/10/2011	3/10/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11C1380	17	ND	1	3/10/2011	3/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11C1392	80	**610**	50	3/10/2011	3/11/2011	
Bromobenzene	EPA 8260B MOD	11C1392	39	ND	50	3/10/2011	3/11/2011	
Bromochloromethane	EPA 8260B MOD	11C1392	47	ND	50	3/10/2011	3/11/2011	
Bromodichloromethane	EPA 8260B MOD	11C1392	38	ND	50	3/10/2011	3/11/2011	
Bromoform	EPA 8260B MOD	11C1392	24	ND	50	3/10/2011	3/11/2011	
Bromomethane	EPA 8260B MOD	11C1392	65	ND	50	3/10/2011	3/11/2011	
n-Butylbenzene	EPA 8260B MOD	11C1392	46	ND	50	3/10/2011	3/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11C1392	46	ND	50	3/10/2011	3/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11C1392	46	ND	50	3/10/2011	3/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11C1392	40	ND	50	3/10/2011	3/11/2011	
Chlorobenzene	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
Chloroethane	EPA 8260B MOD	11C1392	95	ND	50	3/10/2011	3/11/2011	
Chloroform	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
Chloromethane	EPA 8260B MOD	11C1392	120	ND	50	3/10/2011	3/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
Dibromochloromethane	EPA 8260B MOD	11C1392	30	ND	50	3/10/2011	3/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11C1392	32	ND	50	3/10/2011	3/11/2011	
Dibromomethane	EPA 8260B MOD	11C1392	35	ND	50	3/10/2011	3/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11C1392	42	ND	50	3/10/2011	3/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11C1392	42	ND	50	3/10/2011	3/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11C1392	42	ND	50	3/10/2011	3/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11C1392	65	ND	50	3/10/2011	3/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11C1392	65	ND	50	3/10/2011	3/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11C1392	65	ND	50	3/10/2011	3/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11C1392	55	ND	50	3/10/2011	3/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11C1392	55	ND	50	3/10/2011	3/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11C1392	55	ND	50	3/10/2011	3/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11C1392	55	ND	50	3/10/2011	3/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11C1392	55	ND	50	3/10/2011	3/11/2011	C
1,1-Dichloropropene	EPA 8260B MOD	11C1392	55	ND	50	3/10/2011	3/11/2011	
Ethylbenzene	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11C1392	24	ND	50	3/10/2011	3/11/2011	
Isopropylbenzene	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11C1392	46	ND	50	3/10/2011	3/11/2011	
Methylene chloride	EPA 8260B MOD	11C1392	70	ND	50	3/10/2011	3/11/2011	
Naphthalene	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
Styrene	EPA 8260B MOD	11C1392	120	ND	50	3/10/2011	3/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11C1392	36	ND	50	3/10/2011	3/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11C1392	36	ND	50	3/10/2011	3/11/2011	
Tetrachloroethene	EPA 8260B MOD	11C1392	37	ND	50	3/10/2011	3/11/2011	
Toluene	EPA 8260B MOD	11C1392	65	ND	50	3/10/2011	3/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11C1392	34	ND	50	3/10/2011	3/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11C1392	34	ND	50	3/10/2011	3/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11C1392	46	ND	50	3/10/2011	3/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11C1392	46	ND	50	3/10/2011	3/11/2011	
Trichloroethene	EPA 8260B MOD	11C1392	46	ND	50	3/10/2011	3/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11C1392	44	ND	50	3/10/2011	3/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11C1392	42	ND	50	3/10/2011	3/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11C1392	50	ND	50	3/10/2011	3/11/2011	
Vinyl chloride	EPA 8260B MOD	11C1392	100	ND	50	3/10/2011	3/11/2011	
m,p-Xylenes	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
o-Xylene	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11C1392	65	ND	50	3/10/2011	3/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11C1392	70	ND	50	3/10/2011	3/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11C1392	60	ND	50	3/10/2011	3/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11C1392	850	ND	50	3/10/2011	3/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11C1576	80	**2200**	50	3/11/2011	3/11/2011	
Bromobenzene	EPA 8260B MOD	11C1576	39	ND	50	3/11/2011	3/11/2011	
Bromochloromethane	EPA 8260B MOD	11C1576	47	ND	50	3/11/2011	3/11/2011	
Bromodichloromethane	EPA 8260B MOD	11C1576	38	ND	50	3/11/2011	3/11/2011	
Bromoform	EPA 8260B MOD	11C1576	24	ND	50	3/11/2011	3/11/2011	
Bromomethane	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
n-Butylbenzene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11C1576	40	ND	50	3/11/2011	3/11/2011	
Chlorobenzene	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
Chloroethane	EPA 8260B MOD	11C1576	95	ND	50	3/11/2011	3/11/2011	
Chloroform	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Chloromethane	EPA 8260B MOD	11C1576	120	ND	50	3/11/2011	3/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Dibromochloromethane	EPA 8260B MOD	11C1576	30	ND	50	3/11/2011	3/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11C1576	32	ND	50	3/11/2011	3/11/2011	
Dibromomethane	EPA 8260B MOD	11C1576	35	ND	50	3/11/2011	3/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	C
1,1-Dichloropropene	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
Ethylbenzene	EPA 8260B MOD	11C1576	60	**69**	50	3/11/2011	3/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11C1576	24	ND	50	3/11/2011	3/11/2011	
Isopropylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Methylene chloride	EPA 8260B MOD	11C1576	70	ND	50	3/11/2011	3/11/2011	
Naphthalene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Styrene	EPA 8260B MOD	11C1576	120	ND	50	3/11/2011	3/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11C1576	36	ND	50	3/11/2011	3/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11C1576	36	ND	50	3/11/2011	3/11/2011	
Tetrachloroethene	EPA 8260B MOD	11C1576	37	ND	50	3/11/2011	3/11/2011	
Toluene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11C1576	34	ND	50	3/11/2011	3/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11C1576	34	ND	50	3/11/2011	3/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Trichloroethene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11C1576	44	ND	50	3/11/2011	3/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Vinyl chloride	EPA 8260B MOD	11C1576	100	ND	50	3/11/2011	3/11/2011	
m,p-Xylenes	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
o-Xylene	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11C1576	70	ND	50	3/11/2011	3/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11C1576	850	ND	50	3/11/2011	3/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*85 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11C1576	160	**5300**	100	3/12/2011	3/12/2011	
Bromobenzene	EPA 8260B MOD	11C1576	78	ND	100	3/12/2011	3/12/2011	
Bromochloromethane	EPA 8260B MOD	11C1576	94	ND	100	3/12/2011	3/12/2011	
Bromodichloromethane	EPA 8260B MOD	11C1576	75	ND	100	3/12/2011	3/12/2011	
Bromoform	EPA 8260B MOD	11C1576	48	ND	100	3/12/2011	3/12/2011	
Bromomethane	EPA 8260B MOD	11C1576	130	ND	100	3/12/2011	3/12/2011	
n-Butylbenzene	EPA 8260B MOD	11C1576	91	ND	100	3/12/2011	3/12/2011	
sec-Butylbenzene	EPA 8260B MOD	11C1576	91	ND	100	3/12/2011	3/12/2011	
tert-Butylbenzene	EPA 8260B MOD	11C1576	91	ND	100	3/12/2011	3/12/2011	
Carbon tetrachloride	EPA 8260B MOD	11C1576	79	ND	100	3/12/2011	3/12/2011	
Chlorobenzene	EPA 8260B MOD	11C1576	120	ND	100	3/12/2011	3/12/2011	
Chloroethane	EPA 8260B MOD	11C1576	190	ND	100	3/12/2011	3/12/2011	
Chloroform	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
Chloromethane	EPA 8260B MOD	11C1576	240	ND	100	3/12/2011	3/12/2011	
2-Chlorotoluene	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
4-Chlorotoluene	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
Dibromochloromethane	EPA 8260B MOD	11C1576	59	ND	100	3/12/2011	3/12/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11C1576	65	ND	100	3/12/2011	3/12/2011	
Dibromomethane	EPA 8260B MOD	11C1576	70	ND	100	3/12/2011	3/12/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11C1576	83	ND	100	3/12/2011	3/12/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11C1576	83	ND	100	3/12/2011	3/12/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11C1576	83	ND	100	3/12/2011	3/12/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
1,1-Dichloroethane	EPA 8260B MOD	11C1576	120	ND	100	3/12/2011	3/12/2011	
1,2-Dichloroethane	EPA 8260B MOD	11C1576	120	ND	100	3/12/2011	3/12/2011	
1,1-Dichloroethene	EPA 8260B MOD	11C1576	130	ND	100	3/12/2011	3/12/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11C1576	130	ND	100	3/12/2011	3/12/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11C1576	130	ND	100	3/12/2011	3/12/2011	
1,2-Dichloropropane	EPA 8260B MOD	11C1576	110	ND	100	3/12/2011	3/12/2011	
1,3-Dichloropropane	EPA 8260B MOD	11C1576	110	ND	100	3/12/2011	3/12/2011	
2,2-Dichloropropane	EPA 8260B MOD	11C1576	110	ND	100	3/12/2011	3/12/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11C1576	110	ND	100	3/12/2011	3/12/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11C1576	110	ND	100	3/12/2011	3/12/2011	C
1,1-Dichloropropene	EPA 8260B MOD	11C1576	110	ND	100	3/12/2011	3/12/2011	
Ethylbenzene	EPA 8260B MOD	11C1576	120	**210**	100	3/12/2011	3/12/2011	
Hexachlorobutadiene	EPA 8260B MOD	11C1576	47	ND	100	3/12/2011	3/12/2011	
Isopropylbenzene	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
p-Isopropyltoluene	EPA 8260B MOD	11C1576	91	ND	100	3/12/2011	3/12/2011	
Methylene chloride	EPA 8260B MOD	11C1576	140	ND	100	3/12/2011	3/12/2011	
Naphthalene	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
Styrene	EPA 8260B MOD	11C1576	240	ND	100	3/12/2011	3/12/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11C1576	73	ND	100	3/12/2011	3/12/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11C1576	73	ND	100	3/12/2011	3/12/2011	
Tetrachloroethene	EPA 8260B MOD	11C1576	74	ND	100	3/12/2011	3/12/2011	
Toluene	EPA 8260B MOD	11C1576	130	ND	100	3/12/2011	3/12/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11C1576	67	ND	100	3/12/2011	3/12/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11C1576	67	ND	100	3/12/2011	3/12/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11C1576	92	ND	100	3/12/2011	3/12/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11C1576	92	ND	100	3/12/2011	3/12/2011	
Trichloroethene	EPA 8260B MOD	11C1576	93	ND	100	3/12/2011	3/12/2011	
Trichlorofluoromethane	EPA 8260B MOD	11C1576	89	ND	100	3/12/2011	3/12/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11C1576	83	ND	100	3/12/2011	3/12/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11C1576	100	ND	100	3/12/2011	3/12/2011	
Vinyl chloride	EPA 8260B MOD	11C1576	200	ND	100	3/12/2011	3/12/2011	
m,p-Xylenes	EPA 8260B MOD	11C1576	120	ND	100	3/12/2011	3/12/2011	
o-Xylene	EPA 8260B MOD	11C1576	120	ND	100	3/12/2011	3/12/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11C1576	120	ND	100	3/12/2011	3/12/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11C1576	130	ND	100	3/12/2011	3/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11C1576	140	ND	100	3/12/2011	3/12/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11C1576	120	ND	100	3/12/2011	3/12/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11C1576	1700	ND	100	3/12/2011	3/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11C1576	80	**2100**	50	3/11/2011	3/11/2011	
Bromobenzene	EPA 8260B MOD	11C1576	39	ND	50	3/11/2011	3/11/2011	
Bromochloromethane	EPA 8260B MOD	11C1576	47	ND	50	3/11/2011	3/11/2011	
Bromodichloromethane	EPA 8260B MOD	11C1576	38	ND	50	3/11/2011	3/11/2011	
Bromoform	EPA 8260B MOD	11C1576	24	ND	50	3/11/2011	3/11/2011	
Bromomethane	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
n-Butylbenzene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11C1576	40	ND	50	3/11/2011	3/11/2011	
Chlorobenzene	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
Chloroethane	EPA 8260B MOD	11C1576	95	ND	50	3/11/2011	3/11/2011	
Chloroform	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Chloromethane	EPA 8260B MOD	11C1576	120	ND	50	3/11/2011	3/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Dibromochloromethane	EPA 8260B MOD	11C1576	30	ND	50	3/11/2011	3/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11C1576	32	ND	50	3/11/2011	3/11/2011	
Dibromomethane	EPA 8260B MOD	11C1576	35	ND	50	3/11/2011	3/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	C
1,1-Dichloropropene	EPA 8260B MOD	11C1576	55	ND	50	3/11/2011	3/11/2011	
Ethylbenzene	EPA 8260B MOD	11C1576	60	**68**	50	3/11/2011	3/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11C1576	24	ND	50	3/11/2011	3/11/2011	
Isopropylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Methylene chloride	EPA 8260B MOD	11C1576	70	ND	50	3/11/2011	3/11/2011	
Naphthalene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Styrene	EPA 8260B MOD	11C1576	120	ND	50	3/11/2011	3/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11C1576	36	ND	50	3/11/2011	3/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11C1576	36	ND	50	3/11/2011	3/11/2011	
Tetrachloroethene	EPA 8260B MOD	11C1576	37	ND	50	3/11/2011	3/11/2011	
Toluene	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11C1576	34	ND	50	3/11/2011	3/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11C1576	34	ND	50	3/11/2011	3/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Trichloroethene	EPA 8260B MOD	11C1576	46	ND	50	3/11/2011	3/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11C1576	44	ND	50	3/11/2011	3/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11C1576	42	ND	50	3/11/2011	3/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11C1576	50	ND	50	3/11/2011	3/11/2011	
Vinyl chloride	EPA 8260B MOD	11C1576	100	ND	50	3/11/2011	3/11/2011	
m,p-Xylenes	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
o-Xylene	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11C1576	65	ND	50	3/11/2011	3/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11C1576	70	ND	50	3/11/2011	3/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11C1576	60	ND	50	3/11/2011	3/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11C1576	850	ND	50	3/11/2011	3/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*86 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: IUC1184-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11C1641	0.10	**2.8**	1	3/11/2011	3/11/2011	
Carbon Monoxide	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Methane	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Nitrogen	ASTM D1946-90	11C1641	20	**77**	1	3/11/2011	3/11/2011	
Oxygen	ASTM D1946-90	11C1641	5.5	**20**	1	3/11/2011	3/11/2011	
Sample ID: IUC1184-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11C1641	0.10	**2.8**	1	3/11/2011	3/11/2011	
Carbon Monoxide	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Methane	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Nitrogen	ASTM D1946-90	11C1641	20	**77**	1	3/11/2011	3/11/2011	
Oxygen	ASTM D1946-90	11C1641	5.5	**20**	1	3/11/2011	3/11/2011	
Sample ID: IUC1184-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11C1641	0.10	**1.5**	1	3/11/2011	3/11/2011	
Carbon Monoxide	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Methane	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Nitrogen	ASTM D1946-90	11C1641	20	**78**	1	3/11/2011	3/11/2011	
Oxygen	ASTM D1946-90	11C1641	5.5	**20**	1	3/11/2011	3/11/2011	
Sample ID: IUC1184-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11C1641	0.10	**19**	1	3/11/2011	3/11/2011	
Carbon Monoxide	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Methane	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Nitrogen	ASTM D1946-90	11C1641	20	**73**	1	3/11/2011	3/11/2011	
Oxygen	ASTM D1946-90	11C1641	5.5	**7.8**	1	3/11/2011	3/11/2011	
Sample ID: IUC1184-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11C1641	0.10	**2.5**	1	3/11/2011	3/11/2011	
Carbon Monoxide	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Methane	ASTM D1946-90	11C1641	0.10	ND	1	3/11/2011	3/11/2011	
Nitrogen	ASTM D1946-90	11C1641	20	**78**	1	3/11/2011	3/11/2011	
Oxygen	ASTM D1946-90	11C1641	5.5	**20**	1	3/11/2011	3/11/2011	

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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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUC1184-01) - Air					
ASTM D1946-90	3	03/09/2011 12:00	03/09/2011 17:50	03/11/2011 15:51	03/11/2011 15:51
EPA 8260B MOD	3	03/09/2011 12:00	03/09/2011 17:50	03/10/2011 10:41	03/10/2011 13:00
Sample ID: Carbon 1 (IUC1184-02) - Air					
ASTM D1946-90	3	03/09/2011 12:00	03/09/2011 17:50	03/11/2011 16:43	03/11/2011 16:43
EPA 8260B MOD	3	03/09/2011 12:00	03/09/2011 17:50	03/10/2011 20:15	03/11/2011 04:19
Sample ID: Post Ambient Air (IUC1184-03) - Air					
ASTM D1946-90	3	03/09/2011 12:00	03/09/2011 17:50	03/11/2011 17:03	03/11/2011 17:03
EPA 8260B MOD	3	03/09/2011 12:00	03/09/2011 17:50	03/11/2011 18:06	03/11/2011 22:49
Sample ID: Inlet (IUC1184-04) - Air					
ASTM D1946-90	3	03/09/2011 12:00	03/09/2011 17:50	03/11/2011 17:20	03/11/2011 17:20
EPA 8260B MOD	3	03/09/2011 12:00	03/09/2011 17:50	03/12/2011 00:15	03/12/2011 02:39
Sample ID: Post Ambient Air Dup (IUC1184-05) - Air					
ASTM D1946-90	3	03/09/2011 12:00	03/09/2011 17:50	03/11/2011 17:35	03/11/2011 17:35
EPA 8260B MOD	3	03/09/2011 12:00	03/09/2011 17:50	03/11/2011 18:08	03/11/2011 23:18

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1380 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C1380-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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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	Sampled: 03/09/11 Received: 03/09/11
	Report Number:	IUC1184	

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: 11C1380 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C1380-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	*6.55*		*ppmv*	*6.99*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*5.66*		*ppmv*	*6.37*		*89*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

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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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1380 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C1380-BS1)										
Benzene	16.7	1.6	ppmv	15.7		107	70-120			
Bromobenzene	8.73	0.78	ppmv	7.79		112	75-120			
Bromochloromethane	9.74	0.94	ppmv	9.45		103	70-130			
Bromodichloromethane	8.29	0.75	ppmv	7.46		111	70-135			
Bromoform	4.75	0.48	ppmv	4.84		98	55-130			
Bromomethane	12.9	1.3	ppmv	12.9		100	65-140			
n-Butylbenzene	9.65	0.91	ppmv	9.11		106	70-130			
sec-Butylbenzene	9.94	0.91	ppmv	9.11		109	70-125			
tert-Butylbenzene	9.91	0.91	ppmv	9.11		109	70-125			
Carbon tetrachloride	8.00	0.79	ppmv	7.95		101	65-140			
Chlorobenzene	11.4	1.2	ppmv	10.9		105	75-120			
Chloroethane	20.8	1.9	ppmv	18.9		110	60-140			
Chloroform	10.5	1.0	ppmv	10.2		103	70-130			
Chloromethane	22.3	2.4	ppmv	24.2		92	50-140			
2-Chlorotoluene	10.4	1.0	ppmv	9.66		108	70-125			
4-Chlorotoluene	10.6	1.0	ppmv	9.66		109	75-125			
1,2-Dibromo-3-chloropropane	5.37	1.0	ppmv	5.17		104	50-135			
Dibromochloromethane	6.42	0.59	ppmv	5.87		109	70-140			
1,2-Dibromoethane (EDB)	6.96	0.65	ppmv	6.51		107	75-125			
Dibromomethane	7.22	0.70	ppmv	7.03		103	70-125			
1,2-Dichlorobenzene	8.94	0.83	ppmv	8.32		107	75-120			
1,3-Dichlorobenzene	9.12	0.83	ppmv	8.32		110	75-120			
1,4-Dichlorobenzene	8.88	0.83	ppmv	8.32		107	75-120			
Dichlorodifluoromethane	8.32	1.0	ppmv	10.1		82	35-155			
1,1-Dichloroethane	12.9	1.2	ppmv	12.4		104	70-125			
1,2-Dichloroethane	11.5	1.2	ppmv	12.4		93	60-140			
1,1-Dichloroethene	13.3	1.3	ppmv	12.6		106	70-125			
cis-1,2-Dichloroethene	14.4	1.3	ppmv	12.6		114	70-125			
trans-1,2-Dichloroethene	14.0	1.3	ppmv	12.6		111	70-125			
1,2-Dichloropropane	12.1	1.1	ppmv	10.8		112	70-125			
1,3-Dichloropropane	11.5	1.1	ppmv	10.8		106	70-120			
2,2-Dichloropropane	11.6	1.1	ppmv	10.8		107	65-140			
cis-1,3-Dichloropropene	12.5	1.1	ppmv	11.0		114	75-125			
trans-1,3-Dichloropropene	13.6	1.1	ppmv	11.0		123	70-125			
1,1-Dichloropropene	11.6	1.1	ppmv	11.0		105	75-130			
Ethylbenzene	11.9	1.2	ppmv	11.5		103	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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1380 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C1380-BS1)										
Hexachlorobutadiene	4.93	0.47	ppmv	4.69		105	65-135			
Isopropylbenzene	10.7	1.0	ppmv	10.2		105	75-130			
p-Isopropyltoluene	9.67	0.91	ppmv	9.11		106	75-125			
Methylene chloride	13.8	1.4	ppmv	14.4		96	55-130			
Naphthalene	11.3	1.0	ppmv	9.54		118	55-135			
n-Propylbenzene	11.1	1.0	ppmv	10.2		110	75-130			
Styrene	13.4	2.4	ppmv	11.7		114	75-130			
1,1,1,2-Tetrachloroethane	7.51	0.73	ppmv	7.28		103	70-130			
1,1,2,2-Tetrachloroethane	8.15	0.73	ppmv	7.28		112	55-130			
Tetrachloroethene	7.87	0.74	ppmv	7.37		107	70-125			
Toluene	14.0	1.3	ppmv	13.3		106	70-120			
1,2,3-Trichlorobenzene	7.17	0.67	ppmv	6.74		106	65-125			
1,2,4-Trichlorobenzene	7.16	0.67	ppmv	6.74		106	70-135			
1,1,1-Trichloroethane	9.36	0.92	ppmv	9.16		102	65-135			
1,1,2-Trichloroethane	9.86	0.92	ppmv	9.16		108	70-125			
Trichloroethene	10.1	0.93	ppmv	9.30		109	70-125			
Trichlorofluoromethane	8.97	0.89	ppmv	8.90		101	65-145			
1,2,3-Trichloropropane	8.68	0.83	ppmv	8.29		105	60-130			
1,2,4-Trimethylbenzene	11.2	1.0	ppmv	10.2		110	75-125			
1,3,5-Trimethylbenzene	11.3	1.0	ppmv	10.2		111	75-125			
Vinyl chloride	19.6	2.0	ppmv	19.6		100	55-135			
m,p-Xylenes	25.9	1.2	ppmv	23.0		112	75-125			
Di-isopropyl Ether (DIPE)	12.2	1.2	ppmv	12.0		102	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.6	1.3	ppmv	12.0		105	65-135			
Methyl-tert-butyl Ether (MTBE)	14.2	1.4	ppmv	13.9		102	60-135			
tert-Amyl Methyl Ether (TAME)	13.5	1.2	ppmv	12.0		113	60-135			
tert-Butanol (TBA)	91.1	17	ppmv	82.5		111	70-135			
Surrogate: 4-Bromofluorobenzene	*6.46*		*ppmv*	*6.99*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*5.93*		*ppmv*	*6.37*		*93*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*101*	*80-120*			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1380 Extracted: 03/10/11										
Duplicate Analyzed: 03/10/2011 (11C1380-DUP1)					**Source: IUC1184-01**					
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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Report Number: IUC1184

Sampled: 03/09/11
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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: 11C1380 Extracted: 03/10/11										
Duplicate Analyzed: 03/10/2011 (11C1380-DUP1)					**Source: IUC1184-01**					
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		0.570				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	
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	*6.31*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*5.88*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*102*	*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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1392 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C1392-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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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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1392 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C1392-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	*6.66*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.06*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1392 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C1392-BS1)										
Benzene	15.5	1.6	ppmv	15.7		99	70-120			
Bromobenzene	7.97	0.78	ppmv	7.79		102	75-120			
Bromochloromethane	9.12	0.94	ppmv	9.45		96	70-130			
Bromodichloromethane	8.40	0.75	ppmv	7.46		113	70-135			
Bromoform	4.39	0.48	ppmv	4.84		91	55-130			
Bromomethane	12.4	1.3	ppmv	12.9		96	65-140			
n-Butylbenzene	9.48	0.91	ppmv	9.11		104	70-130			
sec-Butylbenzene	9.43	0.91	ppmv	9.11		104	70-125			
tert-Butylbenzene	9.29	0.91	ppmv	9.11		102	70-125			
Carbon tetrachloride	8.17	0.79	ppmv	7.95		103	65-140			
Chlorobenzene	10.2	1.2	ppmv	10.9		94	75-120			
Chloroethane	19.8	1.9	ppmv	18.9		104	60-140			
Chloroform	10.8	1.0	ppmv	10.2		106	70-130			
Chloromethane	22.2	2.4	ppmv	24.2		92	50-140			
2-Chlorotoluene	9.46	1.0	ppmv	9.66		98	70-125			
4-Chlorotoluene	9.97	1.0	ppmv	9.66		103	75-125			
1,2-Dibromo-3-chloropropane	4.96	1.0	ppmv	5.17		96	50-135			
Dibromochloromethane	5.47	0.59	ppmv	5.87		93	70-140			
1,2-Dibromoethane (EDB)	6.57	0.65	ppmv	6.51		101	75-125			
Dibromomethane	7.19	0.70	ppmv	7.03		102	70-125			
1,2-Dichlorobenzene	8.52	0.83	ppmv	8.32		102	75-120			
1,3-Dichlorobenzene	8.28	0.83	ppmv	8.32		100	75-120			
1,4-Dichlorobenzene	8.05	0.83	ppmv	8.32		97	75-120			
Dichlorodifluoromethane	7.53	1.0	ppmv	10.1		74	35-155			
1,1-Dichloroethane	13.1	1.2	ppmv	12.4		106	70-125			
1,2-Dichloroethane	12.5	1.2	ppmv	12.4		101	60-140			
1,1-Dichloroethene	11.6	1.3	ppmv	12.6		92	70-125			
cis-1,2-Dichloroethene	13.3	1.3	ppmv	12.6		106	70-125			
trans-1,2-Dichloroethene	13.0	1.3	ppmv	12.6		103	70-125			
1,2-Dichloropropane	11.4	1.1	ppmv	10.8		105	70-125			
1,3-Dichloropropane	11.1	1.1	ppmv	10.8		102	70-120			
2,2-Dichloropropane	12.0	1.1	ppmv	10.8		111	65-140			
cis-1,3-Dichloropropene	12.2	1.1	ppmv	11.0		111	75-125			
trans-1,3-Dichloropropene	12.7	1.1	ppmv	11.0		115	70-125			
1,1-Dichloropropene	11.3	1.1	ppmv	11.0		103	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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1392 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C1392-BS1)										
Hexachlorobutadiene	4.96	0.47	ppmv	4.69		106	65-135			
Isopropylbenzene	10.1	1.0	ppmv	10.2		99	75-130			
p-Isopropyltoluene	9.19	0.91	ppmv	9.11		101	75-125			
Methylene chloride	13.3	1.4	ppmv	14.4		92	55-130			
Naphthalene	9.91	1.0	ppmv	9.54		104	55-135			
n-Propylbenzene	10.8	1.0	ppmv	10.2		107	75-130			
Styrene	12.0	2.4	ppmv	11.7		102	75-130			
1,1,1,2-Tetrachloroethane	7.33	0.73	ppmv	7.28		101	70-130			
1,1,2,2-Tetrachloroethane	7.69	0.73	ppmv	7.28		106	55-130			
Tetrachloroethene	7.22	0.74	ppmv	7.37		98	70-125			
Toluene	13.4	1.3	ppmv	13.3		101	70-120			
1,2,3-Trichlorobenzene	6.81	0.67	ppmv	6.74		101	65-125			
1,2,4-Trichlorobenzene	6.91	0.67	ppmv	6.74		103	70-135			
1,1,1-Trichloroethane	9.63	0.92	ppmv	9.16		105	65-135			
1,1,2-Trichloroethane	9.34	0.92	ppmv	9.16		102	70-125			
Trichloroethene	9.63	0.93	ppmv	9.30		103	70-125			
Trichlorofluoromethane	9.02	0.89	ppmv	8.90		101	65-145			
1,2,3-Trichloropropane	8.63	0.83	ppmv	8.29		104	60-130			
1,2,4-Trimethylbenzene	10.7	1.0	ppmv	10.2		105	75-125			
1,3,5-Trimethylbenzene	10.7	1.0	ppmv	10.2		105	75-125			
Vinyl chloride	19.0	2.0	ppmv	19.6		97	55-135			
m,p-Xylenes	23.0	1.2	ppmv	23.0		100	75-125			
Di-isopropyl Ether (DIPE)	12.5	1.2	ppmv	12.0		104	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.7	1.3	ppmv	12.0		106	65-135			
Methyl-tert-butyl Ether (MTBE)	13.8	1.4	ppmv	13.9		100	60-135			
tert-Amyl Methyl Ether (TAME)	13.5	1.2	ppmv	12.0		112	60-135			
tert-Butanol (TBA)	84.4	17	ppmv	82.5		102	70-135			
Surrogate: 4-Bromofluorobenzene	*6.42*		*ppmv*	*6.99*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*6.21*		*ppmv*	*6.37*		*97*	*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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1392 Extracted: 03/10/11										
Duplicate Analyzed: 03/10/2011 (11C1392-DUP1)					**Source: IUC1295-01**					
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	0.295	1.0	ppmv		0.274			7	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	7.89	1.3	ppmv		7.31			8	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: IUC1184

Sampled: 03/09/11
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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: 11C1392 Extracted: 03/10/11										
Duplicate Analyzed: 03/10/2011 (11C1392-DUP1)					**Source: IUC1295-01**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	0.956	1.4	ppmv		1.10			14	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	0.177	0.74	ppmv		0.142			22	20	*R-4*
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	11.8	0.93	ppmv		10.4			12	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	*6.49*		*ppmv*	*6.99*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*6.43*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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Report Number: IUC1184

Sampled: 03/09/11
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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: 11C1576 Extracted: 03/11/11										
Blank Analyzed: 03/11/2011 (11C1576-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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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	Sampled: 03/09/11 Received: 03/09/11
	Report Number:	IUC1184	

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: 11C1576 Extracted: 03/11/11										
Blank Analyzed: 03/11/2011 (11C1576-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	*6.80*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.04*		*ppmv*	*6.37*		*95*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1576 Extracted: 03/11/11										
LCS Analyzed: 03/11/2011 (11C1576-BS1)										
Benzene	16.0	1.6	ppmv	15.7		103	70-120			
Bromobenzene	8.50	0.78	ppmv	7.79		109	75-120			
Bromochloromethane	10.7	0.94	ppmv	9.45		113	70-130			
Bromodichloromethane	8.89	0.75	ppmv	7.46		119	70-135			
Bromoform	4.43	0.48	ppmv	4.84		92	55-130			
Bromomethane	14.3	1.3	ppmv	12.9		111	65-140			
n-Butylbenzene	9.46	0.91	ppmv	9.11		104	70-130			
sec-Butylbenzene	9.58	0.91	ppmv	9.11		105	70-125			
tert-Butylbenzene	9.46	0.91	ppmv	9.11		104	70-125			
Carbon tetrachloride	7.89	0.79	ppmv	7.95		99	65-140			
Chlorobenzene	10.4	1.2	ppmv	10.9		95	75-120			
Chloroethane	21.2	1.9	ppmv	18.9		112	60-140			
Chloroform	12.0	1.0	ppmv	10.2		117	70-130			
Chloromethane	25.9	2.4	ppmv	24.2		107	50-140			
2-Chlorotoluene	9.83	1.0	ppmv	9.66		102	70-125			
4-Chlorotoluene	10.5	1.0	ppmv	9.66		109	75-125			
1,2-Dibromo-3-chloropropane	4.25	1.0	ppmv	5.17		82	50-135			
Dibromochloromethane	5.74	0.59	ppmv	5.87		98	70-140			
1,2-Dibromoethane (EDB)	6.63	0.65	ppmv	6.51		102	75-125			
Dibromomethane	7.46	0.70	ppmv	7.03		106	70-125			
1,2-Dichlorobenzene	9.01	0.83	ppmv	8.32		108	75-120			
1,3-Dichlorobenzene	8.68	0.83	ppmv	8.32		104	75-120			
1,4-Dichlorobenzene	8.38	0.83	ppmv	8.32		101	75-120			
Dichlorodifluoromethane	9.29	1.0	ppmv	10.1		92	35-155			
1,1-Dichloroethane	14.4	1.2	ppmv	12.4		117	70-125			
1,2-Dichloroethane	12.8	1.2	ppmv	12.4		103	60-140			
1,1-Dichloroethene	12.7	1.3	ppmv	12.6		101	70-125			
cis-1,2-Dichloroethene	14.7	1.3	ppmv	12.6		116	70-125			
trans-1,2-Dichloroethene	14.0	1.3	ppmv	12.6		111	70-125			
1,2-Dichloropropane	12.4	1.1	ppmv	10.8		115	70-125			
1,3-Dichloropropane	11.1	1.1	ppmv	10.8		102	70-120			
2,2-Dichloropropane	11.8	1.1	ppmv	10.8		109	65-140			
cis-1,3-Dichloropropene	13.3	1.1	ppmv	11.0		121	75-125			
trans-1,3-Dichloropropene	13.8	1.1	ppmv	11.0		125	70-125			
1,1-Dichloropropene	11.4	1.1	ppmv	11.0		104	75-130			
Ethylbenzene	11.3	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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1576 Extracted: 03/11/11										
LCS Analyzed: 03/11/2011 (11C1576-BS1)										
Hexachlorobutadiene	4.84	0.47	ppmv	4.69		103	65-135			
Isopropylbenzene	10.3	1.0	ppmv	10.2		101	75-130			
p-Isopropyltoluene	9.56	0.91	ppmv	9.11		105	75-125			
Methylene chloride	15.3	1.4	ppmv	14.4		106	55-130			
Naphthalene	9.65	1.0	ppmv	9.54		101	55-135			
n-Propylbenzene	10.8	1.0	ppmv	10.2		106	75-130			
Styrene	12.7	2.4	ppmv	11.7		108	75-130			
1,1,1,2-Tetrachloroethane	7.62	0.73	ppmv	7.28		105	70-130			
1,1,2,2-Tetrachloroethane	7.73	0.73	ppmv	7.28		106	55-130			
Tetrachloroethene	7.00	0.74	ppmv	7.37		95	70-125			
Toluene	14.1	1.3	ppmv	13.3		106	70-120			
1,2,3-Trichlorobenzene	7.01	0.67	ppmv	6.74		104	65-125			
1,2,4-Trichlorobenzene	7.20	0.67	ppmv	6.74		107	70-135			
1,1,1-Trichloroethane	10.1	0.92	ppmv	9.16		110	65-135			
1,1,2-Trichloroethane	9.96	0.92	ppmv	9.16		109	70-125			
Trichloroethene	9.90	0.93	ppmv	9.30		106	70-125			
Trichlorofluoromethane	9.15	0.89	ppmv	8.90		103	65-145			
1,2,3-Trichloropropane	8.69	0.83	ppmv	8.29		105	60-130			
1,2,4-Trimethylbenzene	11.0	1.0	ppmv	10.2		108	75-125			
1,3,5-Trimethylbenzene	11.1	1.0	ppmv	10.2		109	75-125			
Vinyl chloride	21.5	2.0	ppmv	19.6		110	55-135			
m,p-Xylenes	23.1	1.2	ppmv	23.0		101	75-125			
Di-isopropyl Ether (DIPE)	13.7	1.2	ppmv	12.0		115	60-135			
Ethyl tert-Butyl Ether (ETBE)	14.3	1.3	ppmv	12.0		119	65-135			
Methyl-tert-butyl Ether (MTBE)	15.1	1.4	ppmv	13.9		109	60-135			
tert-Amyl Methyl Ether (TAME)	14.7	1.2	ppmv	12.0		123	60-135			
tert-Butanol (TBA)	82.1	17	ppmv	82.5		100	70-135			
Surrogate: 4-Bromofluorobenzene	*6.35*		*ppmv*	*6.99*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*6.75*		*ppmv*	*6.37*		*106*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1576 Extracted: 03/11/11										
Duplicate Analyzed: 03/11/2011 (11C1576-DUP1)					**Source: IUC1414-02**					
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	*C*
1,1-Dichloropropene	ND	1.1	ppmv		ND				20	
Ethylbenzene	ND	1.2	ppmv		ND				20	

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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: IUC1184

Sampled: 03/09/11
Received: 03/09/11

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: 11C1576 Extracted: 03/11/11										
Duplicate Analyzed: 03/11/2011 (11C1576-DUP1)					**Source: IUC1414-02**					
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	
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	*6.58*		*ppmv*	*6.99*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*6.43*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.6*		*ppmv*	*12.2*		*104*	*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: IUC1184	Sampled: 03/09/11 Received: 03/09/11	

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: 11C1641 Extracted: 03/11/11										
Duplicate Analyzed: 03/11/2011 (11C1641-DUP1)					**Source: IUC1184-01**					
Carbon Dioxide	2.78	0.10	% by Volume		2.77			0.4	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.3	20	% by Volume		77.2			0.2	20	
Oxygen	19.9	5.5	% by Volume		20.0			0.8	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: IUC1184	Sampled: 03/09/11 Received: 03/09/11

DATA QUALIFIERS AND DEFINITIONS

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
R-4	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
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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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: 03/09/11
Received: 03/09/11
Issued: 03/17/11 08:28

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
IUC1184-01	Effluent	Air
IUC1184-02	Carbon 1	Air
IUC1184-03	Post Ambient Air	Air
IUC1184-04	Inlet	Air
IUC1184-05	Post Ambient Air Dup	Air

Reviewed By:

TestAmerica Irvine

Patty Mata
Project Manager

TestAmerica
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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: IUC1184	Sampled: 03/09/11 Received: 03/09/11

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_____

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: **Roger Shakely**

- [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: 3/9/2011

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, CA

LAB USE ONLY: TUC1184

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

RT

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	3/9/11	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						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/9/2011	1750
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

KH 3-9-11 18:57

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: 04/05/11
Received: 04/05/11
Issued: 04/13/11 15:36

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
IUD0282-01	Effluent	Air
IUD0282-02	Carbon 1	Air
IUD0282-03	Post Ambient Air	Air
IUD0282-04	Inlet	Air
IUD0282-05	Post Ambient Air 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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11D0583	1.6	ND	1	4/6/2011	4/6/2011	
Bromobenzene	EPA 8260B MOD	11D0583	0.78	ND	1	4/6/2011	4/6/2011	
Bromochloromethane	EPA 8260B MOD	11D0583	0.94	ND	1	4/6/2011	4/6/2011	
Bromodichloromethane	EPA 8260B MOD	11D0583	0.75	ND	1	4/6/2011	4/6/2011	
Bromoform	EPA 8260B MOD	11D0583	0.48	ND	1	4/6/2011	4/6/2011	
Bromomethane	EPA 8260B MOD	11D0583	1.3	ND	1	4/6/2011	4/6/2011	
n-Butylbenzene	EPA 8260B MOD	11D0583	0.91	ND	1	4/6/2011	4/6/2011	
sec-Butylbenzene	EPA 8260B MOD	11D0583	0.91	ND	1	4/6/2011	4/6/2011	
tert-Butylbenzene	EPA 8260B MOD	11D0583	0.91	ND	1	4/6/2011	4/6/2011	
Carbon tetrachloride	EPA 8260B MOD	11D0583	0.79	ND	1	4/6/2011	4/6/2011	
Chlorobenzene	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
Chloroethane	EPA 8260B MOD	11D0583	1.9	ND	1	4/6/2011	4/6/2011	
Chloroform	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
Chloromethane	EPA 8260B MOD	11D0583	2.4	ND	1	4/6/2011	4/6/2011	
2-Chlorotoluene	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
4-Chlorotoluene	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
Dibromochloromethane	EPA 8260B MOD	11D0583	0.59	ND	1	4/6/2011	4/6/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11D0583	0.65	ND	1	4/6/2011	4/6/2011	
Dibromomethane	EPA 8260B MOD	11D0583	0.70	ND	1	4/6/2011	4/6/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11D0583	0.83	ND	1	4/6/2011	4/6/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11D0583	0.83	ND	1	4/6/2011	4/6/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11D0583	0.83	ND	1	4/6/2011	4/6/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
1,1-Dichloroethane	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
1,2-Dichloroethane	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
1,1-Dichloroethene	EPA 8260B MOD	11D0583	1.3	ND	1	4/6/2011	4/6/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11D0583	1.3	ND	1	4/6/2011	4/6/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11D0583	1.3	ND	1	4/6/2011	4/6/2011	
1,2-Dichloropropane	EPA 8260B MOD	11D0583	1.1	ND	1	4/6/2011	4/6/2011	
1,3-Dichloropropane	EPA 8260B MOD	11D0583	1.1	ND	1	4/6/2011	4/6/2011	
2,2-Dichloropropane	EPA 8260B MOD	11D0583	1.1	ND	1	4/6/2011	4/6/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11D0583	1.1	ND	1	4/6/2011	4/6/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11D0583	1.1	ND	1	4/6/2011	4/6/2011	
1,1-Dichloropropene	EPA 8260B MOD	11D0583	1.1	ND	1	4/6/2011	4/6/2011	
Ethylbenzene	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
Hexachlorobutadiene	EPA 8260B MOD	11D0583	0.47	ND	1	4/6/2011	4/6/2011	
Isopropylbenzene	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
p-Isopropyltoluene	EPA 8260B MOD	11D0583	0.91	ND	1	4/6/2011	4/6/2011	
Methylene chloride	EPA 8260B MOD	11D0583	1.4	ND	1	4/6/2011	4/6/2011	
Naphthalene	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	

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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
Styrene	EPA 8260B MOD	11D0583	2.4	ND	1	4/6/2011	4/6/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11D0583	0.73	ND	1	4/6/2011	4/6/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11D0583	0.73	ND	1	4/6/2011	4/6/2011	
Tetrachloroethene	EPA 8260B MOD	11D0583	0.74	ND	1	4/6/2011	4/6/2011	
Toluene	EPA 8260B MOD	11D0583	1.3	ND	1	4/6/2011	4/6/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11D0583	0.67	ND	1	4/6/2011	4/6/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11D0583	0.67	ND	1	4/6/2011	4/6/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11D0583	0.92	ND	1	4/6/2011	4/6/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11D0583	0.92	ND	1	4/6/2011	4/6/2011	
Trichloroethene	EPA 8260B MOD	11D0583	0.93	ND	1	4/6/2011	4/6/2011	
Trichlorofluoromethane	EPA 8260B MOD	11D0583	0.89	ND	1	4/6/2011	4/6/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11D0583	0.83	ND	1	4/6/2011	4/6/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11D0583	1.0	ND	1	4/6/2011	4/6/2011	
Vinyl chloride	EPA 8260B MOD	11D0583	2.0	ND	1	4/6/2011	4/6/2011	
m,p-Xylenes	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
o-Xylene	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11D0583	1.3	ND	1	4/6/2011	4/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11D0583	1.4	ND	1	4/6/2011	4/6/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11D0583	1.2	ND	1	4/6/2011	4/6/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11D0583	17	ND	1	4/6/2011	4/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11D0774	80	**1900**	50	4/7/2011	4/7/2011	
Bromobenzene	EPA 8260B MOD	11D0774	39	ND	50	4/7/2011	4/7/2011	
Bromochloromethane	EPA 8260B MOD	11D0774	47	ND	50	4/7/2011	4/7/2011	
Bromodichloromethane	EPA 8260B MOD	11D0774	38	ND	50	4/7/2011	4/7/2011	
Bromoform	EPA 8260B MOD	11D0774	24	ND	50	4/7/2011	4/7/2011	
Bromomethane	EPA 8260B MOD	11D0774	65	ND	50	4/7/2011	4/7/2011	
n-Butylbenzene	EPA 8260B MOD	11D0774	46	ND	50	4/7/2011	4/7/2011	
sec-Butylbenzene	EPA 8260B MOD	11D0774	46	ND	50	4/7/2011	4/7/2011	
tert-Butylbenzene	EPA 8260B MOD	11D0774	46	ND	50	4/7/2011	4/7/2011	
Carbon tetrachloride	EPA 8260B MOD	11D0774	40	ND	50	4/7/2011	4/7/2011	
Chlorobenzene	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
Chloroethane	EPA 8260B MOD	11D0774	95	ND	50	4/7/2011	4/7/2011	
Chloroform	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
Chloromethane	EPA 8260B MOD	11D0774	120	ND	50	4/7/2011	4/7/2011	
2-Chlorotoluene	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
4-Chlorotoluene	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
Dibromochloromethane	EPA 8260B MOD	11D0774	30	ND	50	4/7/2011	4/7/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11D0774	32	ND	50	4/7/2011	4/7/2011	
Dibromomethane	EPA 8260B MOD	11D0774	35	ND	50	4/7/2011	4/7/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11D0774	42	ND	50	4/7/2011	4/7/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11D0774	42	ND	50	4/7/2011	4/7/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11D0774	42	ND	50	4/7/2011	4/7/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
1,1-Dichloroethane	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
1,2-Dichloroethane	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
1,1-Dichloroethene	EPA 8260B MOD	11D0774	65	ND	50	4/7/2011	4/7/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11D0774	65	ND	50	4/7/2011	4/7/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11D0774	65	ND	50	4/7/2011	4/7/2011	
1,2-Dichloropropane	EPA 8260B MOD	11D0774	55	ND	50	4/7/2011	4/7/2011	
1,3-Dichloropropane	EPA 8260B MOD	11D0774	55	ND	50	4/7/2011	4/7/2011	
2,2-Dichloropropane	EPA 8260B MOD	11D0774	55	ND	50	4/7/2011	4/7/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11D0774	55	ND	50	4/7/2011	4/7/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11D0774	55	ND	50	4/7/2011	4/7/2011	
1,1-Dichloropropene	EPA 8260B MOD	11D0774	55	ND	50	4/7/2011	4/7/2011	
Ethylbenzene	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
Hexachlorobutadiene	EPA 8260B MOD	11D0774	24	ND	50	4/7/2011	4/7/2011	
Isopropylbenzene	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
p-Isopropyltoluene	EPA 8260B MOD	11D0774	46	ND	50	4/7/2011	4/7/2011	
Methylene chloride	EPA 8260B MOD	11D0774	70	ND	50	4/7/2011	4/7/2011	
Naphthalene	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	

TestAmerica Irvine

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
Styrene	EPA 8260B MOD	11D0774	120	ND	50	4/7/2011	4/7/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11D0774	36	ND	50	4/7/2011	4/7/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11D0774	36	ND	50	4/7/2011	4/7/2011	
Tetrachloroethene	EPA 8260B MOD	11D0774	37	ND	50	4/7/2011	4/7/2011	
Toluene	EPA 8260B MOD	11D0774	65	ND	50	4/7/2011	4/7/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11D0774	34	ND	50	4/7/2011	4/7/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11D0774	34	ND	50	4/7/2011	4/7/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11D0774	46	ND	50	4/7/2011	4/7/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11D0774	46	ND	50	4/7/2011	4/7/2011	
Trichloroethene	EPA 8260B MOD	11D0774	46	ND	50	4/7/2011	4/7/2011	
Trichlorofluoromethane	EPA 8260B MOD	11D0774	44	ND	50	4/7/2011	4/7/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11D0774	42	ND	50	4/7/2011	4/7/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11D0774	50	ND	50	4/7/2011	4/7/2011	
Vinyl chloride	EPA 8260B MOD	11D0774	100	ND	50	4/7/2011	4/7/2011	
m,p-Xylenes	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
o-Xylene	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11D0774	65	ND	50	4/7/2011	4/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11D0774	70	ND	50	4/7/2011	4/7/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11D0774	60	ND	50	4/7/2011	4/7/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11D0774	850	ND	50	4/7/2011	4/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11D0583	80	**2100**	50	4/6/2011	4/6/2011	
Bromobenzene	EPA 8260B MOD	11D0583	39	ND	50	4/6/2011	4/6/2011	
Bromochloromethane	EPA 8260B MOD	11D0583	47	ND	50	4/6/2011	4/6/2011	
Bromodichloromethane	EPA 8260B MOD	11D0583	38	ND	50	4/6/2011	4/6/2011	
Bromoform	EPA 8260B MOD	11D0583	24	ND	50	4/6/2011	4/6/2011	
Bromomethane	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
n-Butylbenzene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
sec-Butylbenzene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
tert-Butylbenzene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Carbon tetrachloride	EPA 8260B MOD	11D0583	40	ND	50	4/6/2011	4/6/2011	
Chlorobenzene	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
Chloroethane	EPA 8260B MOD	11D0583	95	ND	50	4/6/2011	4/6/2011	
Chloroform	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Chloromethane	EPA 8260B MOD	11D0583	120	ND	50	4/6/2011	4/6/2011	
2-Chlorotoluene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
4-Chlorotoluene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Dibromochloromethane	EPA 8260B MOD	11D0583	30	ND	50	4/6/2011	4/6/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11D0583	32	ND	50	4/6/2011	4/6/2011	
Dibromomethane	EPA 8260B MOD	11D0583	35	ND	50	4/6/2011	4/6/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
1,1-Dichloroethane	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
1,2-Dichloroethane	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
1,1-Dichloroethene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
1,2-Dichloropropane	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
1,3-Dichloropropane	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
2,2-Dichloropropane	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
1,1-Dichloropropene	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
Ethylbenzene	EPA 8260B MOD	11D0583	60	**60**	50	4/6/2011	4/6/2011	
Hexachlorobutadiene	EPA 8260B MOD	11D0583	24	ND	50	4/6/2011	4/6/2011	
Isopropylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
p-Isopropyltoluene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Methylene chloride	EPA 8260B MOD	11D0583	70	ND	50	4/6/2011	4/6/2011	
Naphthalene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Styrene	EPA 8260B MOD	11D0583	120	ND	50	4/6/2011	4/6/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11D0583	36	ND	50	4/6/2011	4/6/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11D0583	36	ND	50	4/6/2011	4/6/2011	
Tetrachloroethene	EPA 8260B MOD	11D0583	37	ND	50	4/6/2011	4/6/2011	
Toluene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11D0583	34	ND	50	4/6/2011	4/6/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11D0583	34	ND	50	4/6/2011	4/6/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Trichloroethene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Trichlorofluoromethane	EPA 8260B MOD	11D0583	44	ND	50	4/6/2011	4/6/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Vinyl chloride	EPA 8260B MOD	11D0583	100	ND	50	4/6/2011	4/6/2011	
m,p-Xylenes	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
o-Xylene	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11D0583	70	ND	50	4/6/2011	4/6/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11D0583	850	ND	50	4/6/2011	4/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11D0774	800	**18000**	500	4/7/2011	4/7/2011	
Bromobenzene	EPA 8260B MOD	11D0774	390	ND	500	4/7/2011	4/7/2011	
Bromochloromethane	EPA 8260B MOD	11D0774	470	ND	500	4/7/2011	4/7/2011	
Bromodichloromethane	EPA 8260B MOD	11D0774	380	ND	500	4/7/2011	4/7/2011	
Bromoform	EPA 8260B MOD	11D0774	240	ND	500	4/7/2011	4/7/2011	
Bromomethane	EPA 8260B MOD	11D0774	650	ND	500	4/7/2011	4/7/2011	
n-Butylbenzene	EPA 8260B MOD	11D0774	460	ND	500	4/7/2011	4/7/2011	
sec-Butylbenzene	EPA 8260B MOD	11D0774	460	ND	500	4/7/2011	4/7/2011	
tert-Butylbenzene	EPA 8260B MOD	11D0774	460	ND	500	4/7/2011	4/7/2011	
Carbon tetrachloride	EPA 8260B MOD	11D0774	400	ND	500	4/7/2011	4/7/2011	
Chlorobenzene	EPA 8260B MOD	11D0774	600	ND	500	4/7/2011	4/7/2011	
Chloroethane	EPA 8260B MOD	11D0774	950	ND	500	4/7/2011	4/7/2011	
Chloroform	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
Chloromethane	EPA 8260B MOD	11D0774	1200	ND	500	4/7/2011	4/7/2011	
2-Chlorotoluene	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
4-Chlorotoluene	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
Dibromochloromethane	EPA 8260B MOD	11D0774	300	ND	500	4/7/2011	4/7/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11D0774	320	ND	500	4/7/2011	4/7/2011	
Dibromomethane	EPA 8260B MOD	11D0774	350	ND	500	4/7/2011	4/7/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11D0774	420	ND	500	4/7/2011	4/7/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11D0774	420	ND	500	4/7/2011	4/7/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11D0774	420	ND	500	4/7/2011	4/7/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
1,1-Dichloroethane	EPA 8260B MOD	11D0774	600	ND	500	4/7/2011	4/7/2011	
1,2-Dichloroethane	EPA 8260B MOD	11D0774	600	ND	500	4/7/2011	4/7/2011	
1,1-Dichloroethene	EPA 8260B MOD	11D0774	650	ND	500	4/7/2011	4/7/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11D0774	650	ND	500	4/7/2011	4/7/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11D0774	650	ND	500	4/7/2011	4/7/2011	
1,2-Dichloropropane	EPA 8260B MOD	11D0774	550	ND	500	4/7/2011	4/7/2011	
1,3-Dichloropropane	EPA 8260B MOD	11D0774	550	ND	500	4/7/2011	4/7/2011	
2,2-Dichloropropane	EPA 8260B MOD	11D0774	550	ND	500	4/7/2011	4/7/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11D0774	550	ND	500	4/7/2011	4/7/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11D0774	550	ND	500	4/7/2011	4/7/2011	
1,1-Dichloropropene	EPA 8260B MOD	11D0774	550	ND	500	4/7/2011	4/7/2011	
Ethylbenzene	EPA 8260B MOD	11D0774	600	**700**	500	4/7/2011	4/7/2011	
Hexachlorobutadiene	EPA 8260B MOD	11D0774	240	ND	500	4/7/2011	4/7/2011	
Isopropylbenzene	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
p-Isopropyltoluene	EPA 8260B MOD	11D0774	460	ND	500	4/7/2011	4/7/2011	
Methylene chloride	EPA 8260B MOD	11D0774	700	ND	500	4/7/2011	4/7/2011	
Naphthalene	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
Styrene	EPA 8260B MOD	11D0774	1200	ND	500	4/7/2011	4/7/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11D0774	360	ND	500	4/7/2011	4/7/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11D0774	360	ND	500	4/7/2011	4/7/2011	
Tetrachloroethene	EPA 8260B MOD	11D0774	370	ND	500	4/7/2011	4/7/2011	
Toluene	EPA 8260B MOD	11D0774	650	ND	500	4/7/2011	4/7/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11D0774	340	ND	500	4/7/2011	4/7/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11D0774	340	ND	500	4/7/2011	4/7/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11D0774	460	ND	500	4/7/2011	4/7/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11D0774	460	ND	500	4/7/2011	4/7/2011	
Trichloroethene	EPA 8260B MOD	11D0774	460	ND	500	4/7/2011	4/7/2011	
Trichlorofluoromethane	EPA 8260B MOD	11D0774	440	ND	500	4/7/2011	4/7/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11D0774	420	ND	500	4/7/2011	4/7/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11D0774	500	ND	500	4/7/2011	4/7/2011	
Vinyl chloride	EPA 8260B MOD	11D0774	1000	ND	500	4/7/2011	4/7/2011	
m,p-Xylenes	EPA 8260B MOD	11D0774	600	ND	500	4/7/2011	4/7/2011	
o-Xylene	EPA 8260B MOD	11D0774	600	ND	500	4/7/2011	4/7/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11D0774	600	ND	500	4/7/2011	4/7/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11D0774	650	ND	500	4/7/2011	4/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11D0774	700	ND	500	4/7/2011	4/7/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11D0774	600	ND	500	4/7/2011	4/7/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11D0774	8500	ND	500	4/7/2011	4/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11D0583	80	**2500**	50	4/6/2011	4/6/2011	
Bromobenzene	EPA 8260B MOD	11D0583	39	ND	50	4/6/2011	4/6/2011	
Bromochloromethane	EPA 8260B MOD	11D0583	47	ND	50	4/6/2011	4/6/2011	
Bromodichloromethane	EPA 8260B MOD	11D0583	38	ND	50	4/6/2011	4/6/2011	
Bromoform	EPA 8260B MOD	11D0583	24	ND	50	4/6/2011	4/6/2011	
Bromomethane	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
n-Butylbenzene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
sec-Butylbenzene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
tert-Butylbenzene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Carbon tetrachloride	EPA 8260B MOD	11D0583	40	ND	50	4/6/2011	4/6/2011	
Chlorobenzene	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
Chloroethane	EPA 8260B MOD	11D0583	95	ND	50	4/6/2011	4/6/2011	
Chloroform	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Chloromethane	EPA 8260B MOD	11D0583	120	ND	50	4/6/2011	4/6/2011	
2-Chlorotoluene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
4-Chlorotoluene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Dibromochloromethane	EPA 8260B MOD	11D0583	30	ND	50	4/6/2011	4/6/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11D0583	32	ND	50	4/6/2011	4/6/2011	
Dibromomethane	EPA 8260B MOD	11D0583	35	ND	50	4/6/2011	4/6/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
1,1-Dichloroethane	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
1,2-Dichloroethane	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
1,1-Dichloroethene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
1,2-Dichloropropane	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
1,3-Dichloropropane	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
2,2-Dichloropropane	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
1,1-Dichloropropene	EPA 8260B MOD	11D0583	55	ND	50	4/6/2011	4/6/2011	
Ethylbenzene	EPA 8260B MOD	11D0583	60	**90**	50	4/6/2011	4/6/2011	
Hexachlorobutadiene	EPA 8260B MOD	11D0583	24	ND	50	4/6/2011	4/6/2011	
Isopropylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
p-Isopropyltoluene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Methylene chloride	EPA 8260B MOD	11D0583	70	ND	50	4/6/2011	4/6/2011	
Naphthalene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Styrene	EPA 8260B MOD	11D0583	120	ND	50	4/6/2011	4/6/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11D0583	36	ND	50	4/6/2011	4/6/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11D0583	36	ND	50	4/6/2011	4/6/2011	
Tetrachloroethene	EPA 8260B MOD	11D0583	37	ND	50	4/6/2011	4/6/2011	
Toluene	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11D0583	34	ND	50	4/6/2011	4/6/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11D0583	34	ND	50	4/6/2011	4/6/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Trichloroethene	EPA 8260B MOD	11D0583	46	ND	50	4/6/2011	4/6/2011	
Trichlorofluoromethane	EPA 8260B MOD	11D0583	44	ND	50	4/6/2011	4/6/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11D0583	42	ND	50	4/6/2011	4/6/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11D0583	50	ND	50	4/6/2011	4/6/2011	
Vinyl chloride	EPA 8260B MOD	11D0583	100	ND	50	4/6/2011	4/6/2011	
m,p-Xylenes	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
o-Xylene	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11D0583	65	ND	50	4/6/2011	4/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11D0583	70	ND	50	4/6/2011	4/6/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11D0583	60	ND	50	4/6/2011	4/6/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11D0583	850	ND	50	4/6/2011	4/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: IUD0282-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11D0832	0.10	**2.2**	1	4/7/2011	4/7/2011	
Carbon Monoxide	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Methane	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Nitrogen	ASTM D1946-90	11D0832	20	**76**	1	4/7/2011	4/7/2011	
Oxygen	ASTM D1946-90	11D0832	5.5	**22**	1	4/7/2011	4/7/2011	
Sample ID: IUD0282-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11D0832	0.10	**2.1**	1	4/7/2011	4/7/2011	
Carbon Monoxide	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Methane	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Nitrogen	ASTM D1946-90	11D0832	20	**77**	1	4/7/2011	4/7/2011	
Oxygen	ASTM D1946-90	11D0832	5.5	**21**	1	4/7/2011	4/7/2011	
Sample ID: IUD0282-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11D0832	0.10	**2.1**	1	4/7/2011	4/7/2011	
Carbon Monoxide	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Methane	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Nitrogen	ASTM D1946-90	11D0832	20	**77**	1	4/7/2011	4/7/2011	
Oxygen	ASTM D1946-90	11D0832	5.5	**20**	1	4/7/2011	4/7/2011	
Sample ID: IUD0282-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11D0832	0.10	**18**	1	4/7/2011	4/7/2011	
Carbon Monoxide	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Methane	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Nitrogen	ASTM D1946-90	11D0832	20	**73**	1	4/7/2011	4/7/2011	
Oxygen	ASTM D1946-90	11D0832	5.5	**9.1**	1	4/7/2011	4/7/2011	
Sample ID: IUD0282-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11D0832	0.10	**2.1**	1	4/7/2011	4/7/2011	
Carbon Monoxide	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Methane	ASTM D1946-90	11D0832	0.10	ND	1	4/7/2011	4/7/2011	
Nitrogen	ASTM D1946-90	11D0832	20	**77**	1	4/7/2011	4/7/2011	
Oxygen	ASTM D1946-90	11D0832	5.5	**21**	1	4/7/2011	4/7/2011	

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUD0282-01) - Air					
ASTM D1946-90	3	04/05/2011 12:15	04/05/2011 15:45	04/07/2011 12:19	04/07/2011 12:19
EPA 8260B MOD	3	04/05/2011 12:15	04/05/2011 15:45	04/06/2011 09:44	04/06/2011 10:33
Sample ID: Carbon 1 (IUD0282-02) - Air					
ASTM D1946-90	3	04/05/2011 12:15	04/05/2011 15:45	04/07/2011 12:41	04/07/2011 12:41
EPA 8260B MOD	3	04/05/2011 12:15	04/05/2011 15:45	04/07/2011 14:24	04/07/2011 14:59
Sample ID: Post Ambient Air (IUD0282-03) - Air					
ASTM D1946-90	3	04/05/2011 12:15	04/05/2011 15:45	04/07/2011 13:41	04/07/2011 13:41
EPA 8260B MOD	3	04/05/2011 12:15	04/05/2011 15:45	04/06/2011 10:17	04/06/2011 12:32
Sample ID: Inlet (IUD0282-04) - Air					
ASTM D1946-90	3	04/05/2011 12:15	04/05/2011 15:45	04/07/2011 14:05	04/07/2011 14:05
EPA 8260B MOD	3	04/05/2011 12:15	04/05/2011 15:45	04/07/2011 11:28	04/07/2011 13:30
Sample ID: Post Ambient Air Dup (IUD0282-05) - Air					
ASTM D1946-90	3	04/05/2011 12:15	04/05/2011 15:45	04/07/2011 14:30	04/07/2011 14:30
EPA 8260B MOD	3	04/05/2011 12:15	04/05/2011 15:45	04/06/2011 10:31	04/06/2011 13:33

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0583 Extracted: 04/06/11										
Blank Analyzed: 04/06/2011 (11D0583-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	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 04/05/11
Newport Beach, CA 92660	Report Number:	IUD0282	Received: 04/05/11
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: 11D0583 Extracted: 04/06/11										
Blank Analyzed: 04/06/2011 (11D0583-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	*6.45*		*ppmv*	*6.99*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*6.62*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*12.9*		*ppmv*	*12.2*		*106*	*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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0583 Extracted: 04/06/11										
LCS Analyzed: 04/06/2011 (11D0583-BS1)										
Benzene	16.9	1.6	ppmv	15.7		108	70-120			
Bromobenzene	8.73	0.78	ppmv	7.79		112	75-120			
Bromochloromethane	10.6	0.94	ppmv	9.45		112	70-130			
Bromodichloromethane	8.59	0.75	ppmv	7.46		115	70-135			
Bromoform	4.21	0.48	ppmv	4.84		87	55-130			
Bromomethane	13.9	1.3	ppmv	12.9		108	65-140			
n-Butylbenzene	11.0	0.91	ppmv	9.11		121	70-130			
sec-Butylbenzene	10.6	0.91	ppmv	9.11		117	70-125			
tert-Butylbenzene	10.5	0.91	ppmv	9.11		115	70-125			
Carbon tetrachloride	9.42	0.79	ppmv	7.95		119	65-140			
Chlorobenzene	11.0	1.2	ppmv	10.9		101	75-120			
Chloroethane	19.8	1.9	ppmv	18.9		104	60-140			
Chloroform	11.9	1.0	ppmv	10.2		116	70-130			
Chloromethane	23.4	2.4	ppmv	24.2		97	50-140			
2-Chlorotoluene	10.2	1.0	ppmv	9.66		105	70-125			
4-Chlorotoluene	10.4	1.0	ppmv	9.66		108	75-125			
1,2-Dibromo-3-chloropropane	5.52	1.0	ppmv	5.17		107	50-135			
Dibromochloromethane	6.10	0.59	ppmv	5.87		104	70-140			
1,2-Dibromoethane (EDB)	7.07	0.65	ppmv	6.51		109	75-125			
Dibromomethane	8.03	0.70	ppmv	7.03		114	70-125			
1,2-Dichlorobenzene	8.58	0.83	ppmv	8.32		103	75-120			
1,3-Dichlorobenzene	8.84	0.83	ppmv	8.32		106	75-120			
1,4-Dichlorobenzene	8.65	0.83	ppmv	8.32		104	75-120			
Dichlorodifluoromethane	9.47	1.0	ppmv	10.1		94	35-155			
1,1-Dichloroethane	14.5	1.2	ppmv	12.4		117	70-125			
1,2-Dichloroethane	13.4	1.2	ppmv	12.4		108	60-140			
1,1-Dichloroethene	15.0	1.3	ppmv	12.6		119	70-125			
cis-1,2-Dichloroethene	15.4	1.3	ppmv	12.6		122	70-125			
trans-1,2-Dichloroethene	15.2	1.3	ppmv	12.6		121	70-125			
1,2-Dichloropropane	12.3	1.1	ppmv	10.8		114	70-125			
1,3-Dichloropropane	11.9	1.1	ppmv	10.8		110	70-120			
2,2-Dichloropropane	14.5	1.1	ppmv	10.8		134	65-140			
cis-1,3-Dichloropropene	13.1	1.1	ppmv	11.0		119	75-125			
trans-1,3-Dichloropropene	12.1	1.1	ppmv	11.0		110	70-125			
1,1-Dichloropropene	13.5	1.1	ppmv	11.0		123	75-130			
Ethylbenzene	13.0	1.2	ppmv	11.5		113	75-125			

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0583 Extracted: 04/06/11										
LCS Analyzed: 04/06/2011 (11D0583-BS1)										
Hexachlorobutadiene	5.56	0.47	ppmv	4.69		119	65-135			
Isopropylbenzene	11.0	1.0	ppmv	10.2		108	75-130			
p-Isopropyltoluene	10.6	0.91	ppmv	9.11		116	75-125			
Methylene chloride	14.9	1.4	ppmv	14.4		103	55-130			
Naphthalene	11.4	1.0	ppmv	9.54		120	55-135			
n-Propylbenzene	11.6	1.0	ppmv	10.2		114	75-130			
Styrene	12.8	2.4	ppmv	11.7		109	75-130			
1,1,1,2-Tetrachloroethane	8.02	0.73	ppmv	7.28		110	70-130			
1,1,2,2-Tetrachloroethane	7.99	0.73	ppmv	7.28		110	55-130			
Tetrachloroethene	8.11	0.74	ppmv	7.37		110	70-125			
Toluene	14.1	1.3	ppmv	13.3		107	70-120			
1,2,3-Trichlorobenzene	7.64	0.67	ppmv	6.74		113	65-125			
1,2,4-Trichlorobenzene	7.69	0.67	ppmv	6.74		114	70-135			
1,1,1-Trichloroethane	11.4	0.92	ppmv	9.16		124	65-135			
1,1,2-Trichloroethane	10.1	0.92	ppmv	9.16		110	70-125			
Trichloroethene	10.4	0.93	ppmv	9.30		112	70-125			
Trichlorofluoromethane	10.4	0.89	ppmv	8.90		117	65-145			
1,2,3-Trichloropropane	8.87	0.83	ppmv	8.29		107	60-130			
1,2,4-Trimethylbenzene	11.9	1.0	ppmv	10.2		117	75-125			
1,3,5-Trimethylbenzene	11.9	1.0	ppmv	10.2		117	75-125			
Vinyl chloride	21.3	2.0	ppmv	19.6		109	55-135			
m,p-Xylenes	27.6	1.2	ppmv	23.0		120	75-125			
Di-isopropyl Ether (DIPE)	12.9	1.2	ppmv	12.0		108	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.8	1.3	ppmv	12.0		107	65-135			
Methyl-tert-butyl Ether (MTBE)	14.0	1.4	ppmv	13.9		101	60-135			
tert-Amyl Methyl Ether (TAME)	13.6	1.2	ppmv	12.0		114	60-135			
tert-Butanol (TBA)	79.5	17	ppmv	82.5		96	70-135			
Surrogate: 4-Bromofluorobenzene	*7.25*		*ppmv*	*6.99*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*6.88*		*ppmv*	*6.37*		*108*	*80-120*			
Surrogate: Toluene-d8	*13.0*		*ppmv*	*12.2*		*106*	*80-120*			

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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0583 Extracted: 04/06/11										
Duplicate Analyzed: 04/06/2011 (11D0583-DUP1)					**Source: IUD0282-01**					
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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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0583 Extracted: 04/06/11										
Duplicate Analyzed: 04/06/2011 (11D0583-DUP1)					**Source: IUD0282-01**					
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	
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	*6.38*		*ppmv*	*6.99*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*6.59*		*ppmv*	*6.37*		*103*	*80-120*			
Surrogate: Toluene-d8	*13.2*		*ppmv*	*12.2*		*108*	*80-120*			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0774 Extracted: 04/07/11										
Blank Analyzed: 04/07/2011 (11D0774-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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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	Sampled: 04/05/11 Received: 04/05/11
	Report Number:	IUD0282	

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: 11D0774 Extracted: 04/07/11										
Blank Analyzed: 04/07/2011 (11D0774-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	*6.44*		*ppmv*	*6.99*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*6.60*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*13.3*		*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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0774 Extracted: 04/07/11										
LCS Analyzed: 04/07/2011 (11D0774-BS1)										
Benzene	16.4	1.6	ppmv	15.7		105	70-120			
Bromobenzene	8.80	0.78	ppmv	7.79		113	75-120			
Bromochloromethane	11.0	0.94	ppmv	9.45		116	70-130			
Bromodichloromethane	8.87	0.75	ppmv	7.46		119	70-135			
Bromoform	4.56	0.48	ppmv	4.84		94	55-130			
Bromomethane	13.6	1.3	ppmv	12.9		105	65-140			
n-Butylbenzene	10.3	0.91	ppmv	9.11		113	70-130			
sec-Butylbenzene	9.97	0.91	ppmv	9.11		109	70-125			
tert-Butylbenzene	9.99	0.91	ppmv	9.11		110	70-125			
Carbon tetrachloride	9.13	0.79	ppmv	7.95		115	65-140			
Chlorobenzene	11.0	1.2	ppmv	10.9		102	75-120			
Chloroethane	19.0	1.9	ppmv	18.9		100	60-140			
Chloroform	11.7	1.0	ppmv	10.2		114	70-130			
Chloromethane	22.7	2.4	ppmv	24.2		94	50-140			
2-Chlorotoluene	10.0	1.0	ppmv	9.66		104	70-125			
4-Chlorotoluene	10.2	1.0	ppmv	9.66		106	75-125			
1,2-Dibromo-3-chloropropane	6.04	1.0	ppmv	5.17		117	50-135			
Dibromochloromethane	6.61	0.59	ppmv	5.87		113	70-140			
1,2-Dibromoethane (EDB)	7.53	0.65	ppmv	6.51		116	75-125			
Dibromomethane	8.27	0.70	ppmv	7.03		118	70-125			
1,2-Dichlorobenzene	8.86	0.83	ppmv	8.32		107	75-120			
1,3-Dichlorobenzene	8.92	0.83	ppmv	8.32		107	75-120			
1,4-Dichlorobenzene	8.63	0.83	ppmv	8.32		104	75-120			
Dichlorodifluoromethane	8.69	1.0	ppmv	10.1		86	35-155			
1,1-Dichloroethane	14.2	1.2	ppmv	12.4		115	70-125			
1,2-Dichloroethane	13.7	1.2	ppmv	12.4		111	60-140			
1,1-Dichloroethene	14.6	1.3	ppmv	12.6		116	70-125			
cis-1,2-Dichloroethene	15.1	1.3	ppmv	12.6		120	70-125			
trans-1,2-Dichloroethene	14.3	1.3	ppmv	12.6		113	70-125			
1,2-Dichloropropane	12.3	1.1	ppmv	10.8		114	70-125			
1,3-Dichloropropane	12.4	1.1	ppmv	10.8		114	70-120			
2,2-Dichloropropane	13.3	1.1	ppmv	10.8		123	65-140			
cis-1,3-Dichloropropene	13.1	1.1	ppmv	11.0		119	75-125			
trans-1,3-Dichloropropene	12.3	1.1	ppmv	11.0		111	70-125			
1,1-Dichloropropene	12.8	1.1	ppmv	11.0		116	75-130			
Ethylbenzene	12.5	1.2	ppmv	11.5		109	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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0774 Extracted: 04/07/11										
LCS Analyzed: 04/07/2011 (11D0774-BS1)										
Hexachlorobutadiene	5.35	0.47	ppmv	4.69		114	65-135			
Isopropylbenzene	10.7	1.0	ppmv	10.2		105	75-130			
p-Isopropyltoluene	10.0	0.91	ppmv	9.11		110	75-125			
Methylene chloride	15.2	1.4	ppmv	14.4		106	55-130			
Naphthalene	12.5	1.0	ppmv	9.54		131	55-135			
n-Propylbenzene	11.1	1.0	ppmv	10.2		109	75-130			
Styrene	12.9	2.4	ppmv	11.7		110	75-130			
1,1,1,2-Tetrachloroethane	8.20	0.73	ppmv	7.28		113	70-130			
1,1,2,2-Tetrachloroethane	8.58	0.73	ppmv	7.28		118	55-130			
Tetrachloroethene	7.81	0.74	ppmv	7.37		106	70-125			
Toluene	13.6	1.3	ppmv	13.3		103	70-120			
1,2,3-Trichlorobenzene	8.28	0.67	ppmv	6.74		123	65-125			
1,2,4-Trichlorobenzene	8.05	0.67	ppmv	6.74		120	70-135			
1,1,1-Trichloroethane	10.8	0.92	ppmv	9.16		118	65-135			
1,1,2-Trichloroethane	10.5	0.92	ppmv	9.16		114	70-125			
Trichloroethene	10.1	0.93	ppmv	9.30		108	70-125			
Trichlorofluoromethane	10.0	0.89	ppmv	8.90		112	65-145			
1,2,3-Trichloropropane	9.40	0.83	ppmv	8.29		113	60-130			
1,2,4-Trimethylbenzene	11.5	1.0	ppmv	10.2		113	75-125			
1,3,5-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125			
Vinyl chloride	20.5	2.0	ppmv	19.6		105	55-135			
m,p-Xylenes	26.5	1.2	ppmv	23.0		115	75-125			
Di-isopropyl Ether (DIPE)	12.7	1.2	ppmv	12.0		107	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.9	1.3	ppmv	12.0		107	65-135			
Methyl-tert-butyl Ether (MTBE)	14.3	1.4	ppmv	13.9		103	60-135			
tert-Amyl Methyl Ether (TAME)	13.7	1.2	ppmv	12.0		115	60-135			
tert-Butanol (TBA)	87.6	17	ppmv	82.5		106	70-135			
Surrogate: 4-Bromofluorobenzene	*7.20*		*ppmv*	*6.99*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*6.97*		*ppmv*	*6.37*		*109*	*80-120*			
Surrogate: Toluene-d8	*12.9*		*ppmv*	*12.2*		*105*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0774 Extracted: 04/07/11										
Duplicate Analyzed: 04/07/2011 (11D0774-DUP1)					**Source: IUD0552-01**					
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	1.44	1.3	ppmv		1.36			5	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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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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0774 Extracted: 04/07/11										
Duplicate Analyzed: 04/07/2011 (11D0774-DUP1)					**Source: IUD0552-01**					
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	
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	2.92	0.93	ppmv		2.76			6	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	*6.48*		*ppmv*	*6.99*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*6.60*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*13.3*		*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: IUD0282

Sampled: 04/05/11
Received: 04/05/11

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: 11D0832 Extracted: 04/07/11										
Duplicate Analyzed: 04/07/2011 (11D0832-DUP1)					**Source: IUD0371-01**					
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	76.7	20	% by Volume		76.7			0.03	20	
Oxygen	23.3	5.5	% by Volume		23.3			0.09	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: IUD0282	Sampled: 04/05/11 Received: 04/05/11

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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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: IUD0282	Sampled: 04/05/11 Received: 04/05/11

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 America STL Other_____

Lab Identification (if nec

- [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: Roger Shakely

- [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: 4/5/2011

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	SM/SA	IUD0282

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

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
	Effluent	4/5/11	12:15	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

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

PT

TEMPERATURE ON RECEIPT C°

16:05 4/5/11

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	4/5/2011	1545
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: 05/04/11
Received: 05/04/11
Issued: 05/11/11 10:21

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
IUE0430-01	Effluent	Air
IUE0430-02	Carbon 1	Air
IUE0430-03	Post Ambient Air	Air
IUE0430-04	Inlet	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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11E0441	1.6	ND	1	5/4/2011	5/5/2011	
Bromobenzene	EPA 8260B MOD	11E0441	0.78	ND	1	5/4/2011	5/5/2011	
Bromochloromethane	EPA 8260B MOD	11E0441	0.94	ND	1	5/4/2011	5/5/2011	
Bromodichloromethane	EPA 8260B MOD	11E0441	0.75	ND	1	5/4/2011	5/5/2011	
Bromoform	EPA 8260B MOD	11E0441	0.48	ND	1	5/4/2011	5/5/2011	
Bromomethane	EPA 8260B MOD	11E0441	1.3	ND	1	5/4/2011	5/5/2011	
n-Butylbenzene	EPA 8260B MOD	11E0441	0.91	ND	1	5/4/2011	5/5/2011	
sec-Butylbenzene	EPA 8260B MOD	11E0441	0.91	ND	1	5/4/2011	5/5/2011	
tert-Butylbenzene	EPA 8260B MOD	11E0441	0.91	ND	1	5/4/2011	5/5/2011	
Carbon tetrachloride	EPA 8260B MOD	11E0441	0.79	ND	1	5/4/2011	5/5/2011	
Chlorobenzene	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	
Chloroethane	EPA 8260B MOD	11E0441	1.9	ND	1	5/4/2011	5/5/2011	
Chloroform	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
Chloromethane	EPA 8260B MOD	11E0441	2.4	ND	1	5/4/2011	5/5/2011	
2-Chlorotoluene	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
4-Chlorotoluene	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
Dibromochloromethane	EPA 8260B MOD	11E0441	0.59	ND	1	5/4/2011	5/5/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11E0441	0.65	ND	1	5/4/2011	5/5/2011	
Dibromomethane	EPA 8260B MOD	11E0441	0.70	ND	1	5/4/2011	5/5/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11E0441	0.83	ND	1	5/4/2011	5/5/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11E0441	0.83	ND	1	5/4/2011	5/5/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11E0441	0.83	ND	1	5/4/2011	5/5/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
1,1-Dichloroethane	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	
1,2-Dichloroethane	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	
1,1-Dichloroethene	EPA 8260B MOD	11E0441	1.3	ND	1	5/4/2011	5/5/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11E0441	1.3	ND	1	5/4/2011	5/5/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11E0441	1.3	ND	1	5/4/2011	5/5/2011	
1,2-Dichloropropane	EPA 8260B MOD	11E0441	1.1	ND	1	5/4/2011	5/5/2011	
1,3-Dichloropropane	EPA 8260B MOD	11E0441	1.1	ND	1	5/4/2011	5/5/2011	
2,2-Dichloropropane	EPA 8260B MOD	11E0441	1.1	ND	1	5/4/2011	5/5/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11E0441	1.1	ND	1	5/4/2011	5/5/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11E0441	1.1	ND	1	5/4/2011	5/5/2011	
1,1-Dichloropropene	EPA 8260B MOD	11E0441	1.1	ND	1	5/4/2011	5/5/2011	
Ethylbenzene	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	
Hexachlorobutadiene	EPA 8260B MOD	11E0441	0.47	ND	1	5/4/2011	5/5/2011	
Isopropylbenzene	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
p-Isopropyltoluene	EPA 8260B MOD	11E0441	0.91	ND	1	5/4/2011	5/5/2011	
Methylene chloride	EPA 8260B MOD	11E0441	1.4	ND	1	5/4/2011	5/5/2011	
Naphthalene	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
Styrene	EPA 8260B MOD	11E0441	2.4	ND	1	5/4/2011	5/5/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11E0441	0.73	ND	1	5/4/2011	5/5/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11E0441	0.73	ND	1	5/4/2011	5/5/2011	
Tetrachloroethene	EPA 8260B MOD	11E0441	0.74	ND	1	5/4/2011	5/5/2011	
Toluene	EPA 8260B MOD	11E0441	1.3	ND	1	5/4/2011	5/5/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11E0441	0.67	ND	1	5/4/2011	5/5/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11E0441	0.67	ND	1	5/4/2011	5/5/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11E0441	0.92	ND	1	5/4/2011	5/5/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11E0441	0.92	ND	1	5/4/2011	5/5/2011	
Trichloroethene	EPA 8260B MOD	11E0441	0.93	ND	1	5/4/2011	5/5/2011	
Trichlorofluoromethane	EPA 8260B MOD	11E0441	0.89	ND	1	5/4/2011	5/5/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11E0441	0.83	ND	1	5/4/2011	5/5/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11E0441	1.0	ND	1	5/4/2011	5/5/2011	
Vinyl chloride	EPA 8260B MOD	11E0441	2.0	ND	1	5/4/2011	5/5/2011	
m,p-Xylenes	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	
o-Xylene	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11E0441	1.3	ND	1	5/4/2011	5/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11E0441	1.4	ND	1	5/4/2011	5/5/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11E0441	1.2	ND	1	5/4/2011	5/5/2011	C, L
tert-Butanol (TBA)	EPA 8260B MOD	11E0441	17	ND	1	5/4/2011	5/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11E0628	8.0	**150**	5	5/5/2011	5/6/2011	
Bromobenzene	EPA 8260B MOD	11E0628	3.9	ND	5	5/5/2011	5/6/2011	
Bromochloromethane	EPA 8260B MOD	11E0628	4.7	ND	5	5/5/2011	5/6/2011	
Bromodichloromethane	EPA 8260B MOD	11E0628	3.8	ND	5	5/5/2011	5/6/2011	
Bromoform	EPA 8260B MOD	11E0628	2.4	ND	5	5/5/2011	5/6/2011	
Bromomethane	EPA 8260B MOD	11E0628	6.5	ND	5	5/5/2011	5/6/2011	
n-Butylbenzene	EPA 8260B MOD	11E0628	4.6	ND	5	5/5/2011	5/6/2011	
sec-Butylbenzene	EPA 8260B MOD	11E0628	4.6	ND	5	5/5/2011	5/6/2011	
tert-Butylbenzene	EPA 8260B MOD	11E0628	4.6	ND	5	5/5/2011	5/6/2011	
Carbon tetrachloride	EPA 8260B MOD	11E0628	4.0	ND	5	5/5/2011	5/6/2011	
Chlorobenzene	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
Chloroethane	EPA 8260B MOD	11E0628	9.5	ND	5	5/5/2011	5/6/2011	
Chloroform	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
Chloromethane	EPA 8260B MOD	11E0628	12	ND	5	5/5/2011	5/6/2011	
2-Chlorotoluene	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
4-Chlorotoluene	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
Dibromochloromethane	EPA 8260B MOD	11E0628	3.0	ND	5	5/5/2011	5/6/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11E0628	3.2	ND	5	5/5/2011	5/6/2011	
Dibromomethane	EPA 8260B MOD	11E0628	3.5	ND	5	5/5/2011	5/6/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11E0628	4.2	ND	5	5/5/2011	5/6/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11E0628	4.2	ND	5	5/5/2011	5/6/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11E0628	4.2	ND	5	5/5/2011	5/6/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
1,1-Dichloroethane	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
1,2-Dichloroethane	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
1,1-Dichloroethene	EPA 8260B MOD	11E0628	6.5	ND	5	5/5/2011	5/6/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11E0628	6.5	ND	5	5/5/2011	5/6/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11E0628	6.5	ND	5	5/5/2011	5/6/2011	
1,2-Dichloropropane	EPA 8260B MOD	11E0628	5.5	ND	5	5/5/2011	5/6/2011	
1,3-Dichloropropane	EPA 8260B MOD	11E0628	5.5	ND	5	5/5/2011	5/6/2011	
2,2-Dichloropropane	EPA 8260B MOD	11E0628	5.5	ND	5	5/5/2011	5/6/2011	L, C
cis-1,3-Dichloropropene	EPA 8260B MOD	11E0628	5.5	ND	5	5/5/2011	5/6/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11E0628	5.5	ND	5	5/5/2011	5/6/2011	
1,1-Dichloropropene	EPA 8260B MOD	11E0628	5.5	ND	5	5/5/2011	5/6/2011	
Ethylbenzene	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
Hexachlorobutadiene	EPA 8260B MOD	11E0628	2.4	ND	5	5/5/2011	5/6/2011	
Isopropylbenzene	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
p-Isopropyltoluene	EPA 8260B MOD	11E0628	4.6	ND	5	5/5/2011	5/6/2011	
Methylene chloride	EPA 8260B MOD	11E0628	7.0	ND	5	5/5/2011	5/6/2011	
Naphthalene	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
Styrene	EPA 8260B MOD	11E0628	12	ND	5	5/5/2011	5/6/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11E0628	3.6	ND	5	5/5/2011	5/6/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11E0628	3.6	ND	5	5/5/2011	5/6/2011	
Tetrachloroethene	EPA 8260B MOD	11E0628	3.7	ND	5	5/5/2011	5/6/2011	
Toluene	EPA 8260B MOD	11E0628	6.5	ND	5	5/5/2011	5/6/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11E0628	3.4	ND	5	5/5/2011	5/6/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11E0628	3.4	ND	5	5/5/2011	5/6/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11E0628	4.6	ND	5	5/5/2011	5/6/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11E0628	4.6	ND	5	5/5/2011	5/6/2011	
Trichloroethene	EPA 8260B MOD	11E0628	4.6	ND	5	5/5/2011	5/6/2011	
Trichlorofluoromethane	EPA 8260B MOD	11E0628	4.4	ND	5	5/5/2011	5/6/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11E0628	4.2	ND	5	5/5/2011	5/6/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11E0628	5.0	ND	5	5/5/2011	5/6/2011	
Vinyl chloride	EPA 8260B MOD	11E0628	10	ND	5	5/5/2011	5/6/2011	
m,p-Xylenes	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
o-Xylene	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11E0628	6.5	ND	5	5/5/2011	5/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11E0628	7.0	ND	5	5/5/2011	5/6/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11E0628	6.0	ND	5	5/5/2011	5/6/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11E0628	85	ND	5	5/5/2011	5/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*86 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11E0441	40	**3400**	25	5/4/2011	5/5/2011	
Bromobenzene	EPA 8260B MOD	11E0441	20	ND	25	5/4/2011	5/5/2011	
Bromochloromethane	EPA 8260B MOD	11E0441	24	ND	25	5/4/2011	5/5/2011	
Bromodichloromethane	EPA 8260B MOD	11E0441	19	ND	25	5/4/2011	5/5/2011	
Bromoform	EPA 8260B MOD	11E0441	12	ND	25	5/4/2011	5/5/2011	
Bromomethane	EPA 8260B MOD	11E0441	32	ND	25	5/4/2011	5/5/2011	
n-Butylbenzene	EPA 8260B MOD	11E0441	23	ND	25	5/4/2011	5/5/2011	
sec-Butylbenzene	EPA 8260B MOD	11E0441	23	ND	25	5/4/2011	5/5/2011	
tert-Butylbenzene	EPA 8260B MOD	11E0441	23	ND	25	5/4/2011	5/5/2011	
Carbon tetrachloride	EPA 8260B MOD	11E0441	20	ND	25	5/4/2011	5/5/2011	
Chlorobenzene	EPA 8260B MOD	11E0441	30	ND	25	5/4/2011	5/5/2011	
Chloroethane	EPA 8260B MOD	11E0441	48	ND	25	5/4/2011	5/5/2011	
Chloroform	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
Chloromethane	EPA 8260B MOD	11E0441	60	ND	25	5/4/2011	5/5/2011	
2-Chlorotoluene	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
4-Chlorotoluene	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
Dibromochloromethane	EPA 8260B MOD	11E0441	15	ND	25	5/4/2011	5/5/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11E0441	16	ND	25	5/4/2011	5/5/2011	
Dibromomethane	EPA 8260B MOD	11E0441	18	ND	25	5/4/2011	5/5/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11E0441	21	ND	25	5/4/2011	5/5/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11E0441	21	ND	25	5/4/2011	5/5/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11E0441	21	ND	25	5/4/2011	5/5/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
1,1-Dichloroethane	EPA 8260B MOD	11E0441	30	ND	25	5/4/2011	5/5/2011	
1,2-Dichloroethane	EPA 8260B MOD	11E0441	30	ND	25	5/4/2011	5/5/2011	
1,1-Dichloroethene	EPA 8260B MOD	11E0441	32	ND	25	5/4/2011	5/5/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11E0441	32	ND	25	5/4/2011	5/5/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11E0441	32	ND	25	5/4/2011	5/5/2011	
1,2-Dichloropropane	EPA 8260B MOD	11E0441	28	ND	25	5/4/2011	5/5/2011	
1,3-Dichloropropane	EPA 8260B MOD	11E0441	28	ND	25	5/4/2011	5/5/2011	
2,2-Dichloropropane	EPA 8260B MOD	11E0441	28	ND	25	5/4/2011	5/5/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11E0441	28	ND	25	5/4/2011	5/5/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11E0441	28	ND	25	5/4/2011	5/5/2011	
1,1-Dichloropropene	EPA 8260B MOD	11E0441	28	ND	25	5/4/2011	5/5/2011	
Ethylbenzene	EPA 8260B MOD	11E0441	30	**110**	25	5/4/2011	5/5/2011	
Hexachlorobutadiene	EPA 8260B MOD	11E0441	12	ND	25	5/4/2011	5/5/2011	
Isopropylbenzene	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
p-Isopropyltoluene	EPA 8260B MOD	11E0441	23	ND	25	5/4/2011	5/5/2011	
Methylene chloride	EPA 8260B MOD	11E0441	35	ND	25	5/4/2011	5/5/2011	
Naphthalene	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
Styrene	EPA 8260B MOD	11E0441	60	ND	25	5/4/2011	5/5/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11E0441	18	ND	25	5/4/2011	5/5/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11E0441	18	ND	25	5/4/2011	5/5/2011	
Tetrachloroethene	EPA 8260B MOD	11E0441	18	ND	25	5/4/2011	5/5/2011	
Toluene	EPA 8260B MOD	11E0441	32	ND	25	5/4/2011	5/5/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11E0441	17	ND	25	5/4/2011	5/5/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11E0441	17	ND	25	5/4/2011	5/5/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11E0441	23	ND	25	5/4/2011	5/5/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11E0441	23	ND	25	5/4/2011	5/5/2011	
Trichloroethene	EPA 8260B MOD	11E0441	23	ND	25	5/4/2011	5/5/2011	
Trichlorofluoromethane	EPA 8260B MOD	11E0441	22	ND	25	5/4/2011	5/5/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11E0441	21	ND	25	5/4/2011	5/5/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11E0441	25	ND	25	5/4/2011	5/5/2011	
Vinyl chloride	EPA 8260B MOD	11E0441	50	ND	25	5/4/2011	5/5/2011	
m,p-Xylenes	EPA 8260B MOD	11E0441	30	ND	25	5/4/2011	5/5/2011	
o-Xylene	EPA 8260B MOD	11E0441	30	ND	25	5/4/2011	5/5/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11E0441	30	ND	25	5/4/2011	5/5/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11E0441	32	ND	25	5/4/2011	5/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11E0441	35	ND	25	5/4/2011	5/5/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11E0441	30	ND	25	5/4/2011	5/5/2011	C, L
tert-Butanol (TBA)	EPA 8260B MOD	11E0441	420	ND	25	5/4/2011	5/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11E0807	800	**14000**	500	5/6/2011	5/7/2011	
Bromobenzene	EPA 8260B MOD	11E0807	390	ND	500	5/6/2011	5/7/2011	
Bromochloromethane	EPA 8260B MOD	11E0807	470	ND	500	5/6/2011	5/7/2011	
Bromodichloromethane	EPA 8260B MOD	11E0807	380	ND	500	5/6/2011	5/7/2011	
Bromoform	EPA 8260B MOD	11E0807	240	ND	500	5/6/2011	5/7/2011	C
Bromomethane	EPA 8260B MOD	11E0807	650	ND	500	5/6/2011	5/7/2011	
n-Butylbenzene	EPA 8260B MOD	11E0807	460	ND	500	5/6/2011	5/7/2011	
sec-Butylbenzene	EPA 8260B MOD	11E0807	460	ND	500	5/6/2011	5/7/2011	
tert-Butylbenzene	EPA 8260B MOD	11E0807	460	ND	500	5/6/2011	5/7/2011	
Carbon tetrachloride	EPA 8260B MOD	11E0807	400	ND	500	5/6/2011	5/7/2011	
Chlorobenzene	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
Chloroethane	EPA 8260B MOD	11E0807	950	ND	500	5/6/2011	5/7/2011	
Chloroform	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
Chloromethane	EPA 8260B MOD	11E0807	1200	ND	500	5/6/2011	5/7/2011	
2-Chlorotoluene	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
4-Chlorotoluene	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
Dibromochloromethane	EPA 8260B MOD	11E0807	300	ND	500	5/6/2011	5/7/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11E0807	320	ND	500	5/6/2011	5/7/2011	
Dibromomethane	EPA 8260B MOD	11E0807	350	ND	500	5/6/2011	5/7/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11E0807	420	ND	500	5/6/2011	5/7/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11E0807	420	ND	500	5/6/2011	5/7/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11E0807	420	ND	500	5/6/2011	5/7/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
1,1-Dichloroethane	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
1,2-Dichloroethane	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
1,1-Dichloroethene	EPA 8260B MOD	11E0807	650	ND	500	5/6/2011	5/7/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11E0807	650	ND	500	5/6/2011	5/7/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11E0807	650	ND	500	5/6/2011	5/7/2011	
1,2-Dichloropropane	EPA 8260B MOD	11E0807	550	ND	500	5/6/2011	5/7/2011	
1,3-Dichloropropane	EPA 8260B MOD	11E0807	550	ND	500	5/6/2011	5/7/2011	
2,2-Dichloropropane	EPA 8260B MOD	11E0807	550	ND	500	5/6/2011	5/7/2011	C
cis-1,3-Dichloropropene	EPA 8260B MOD	11E0807	550	ND	500	5/6/2011	5/7/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11E0807	550	ND	500	5/6/2011	5/7/2011	
1,1-Dichloropropene	EPA 8260B MOD	11E0807	550	ND	500	5/6/2011	5/7/2011	
Ethylbenzene	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
Hexachlorobutadiene	EPA 8260B MOD	11E0807	240	ND	500	5/6/2011	5/7/2011	
Isopropylbenzene	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
p-Isopropyltoluene	EPA 8260B MOD	11E0807	460	ND	500	5/6/2011	5/7/2011	
Methylene chloride	EPA 8260B MOD	11E0807	700	ND	500	5/6/2011	5/7/2011	
Naphthalene	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
Styrene	EPA 8260B MOD	11E0807	1200	ND	500	5/6/2011	5/7/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11E0807	360	ND	500	5/6/2011	5/7/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11E0807	360	ND	500	5/6/2011	5/7/2011	
Tetrachloroethene	EPA 8260B MOD	11E0807	370	ND	500	5/6/2011	5/7/2011	
Toluene	EPA 8260B MOD	11E0807	650	ND	500	5/6/2011	5/7/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11E0807	340	ND	500	5/6/2011	5/7/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11E0807	340	ND	500	5/6/2011	5/7/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11E0807	460	ND	500	5/6/2011	5/7/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11E0807	460	ND	500	5/6/2011	5/7/2011	
Trichloroethene	EPA 8260B MOD	11E0807	460	ND	500	5/6/2011	5/7/2011	
Trichlorofluoromethane	EPA 8260B MOD	11E0807	440	ND	500	5/6/2011	5/7/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11E0807	420	ND	500	5/6/2011	5/7/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11E0807	500	ND	500	5/6/2011	5/7/2011	
Vinyl chloride	EPA 8260B MOD	11E0807	1000	ND	500	5/6/2011	5/7/2011	
m,p-Xylenes	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
o-Xylene	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11E0807	650	ND	500	5/6/2011	5/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11E0807	700	ND	500	5/6/2011	5/7/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11E0807	600	ND	500	5/6/2011	5/7/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11E0807	8500	ND	500	5/6/2011	5/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: IUE0430-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11E0654	0.10	**2.6**	1	5/5/2011	5/5/2011	
Carbon Monoxide	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Methane	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Nitrogen	ASTM D1946-90	11E0654	20	**76**	1	5/5/2011	5/5/2011	
Oxygen	ASTM D1946-90	11E0654	5.5	**22**	1	5/5/2011	5/5/2011	
Sample ID: IUE0430-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11E0654	0.10	**2.5**	1	5/5/2011	5/5/2011	
Carbon Monoxide	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Methane	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Nitrogen	ASTM D1946-90	11E0654	20	**75**	1	5/5/2011	5/5/2011	
Oxygen	ASTM D1946-90	11E0654	5.5	**22**	1	5/5/2011	5/5/2011	
Sample ID: IUE0430-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11E0654	0.10	**2.6**	1	5/5/2011	5/5/2011	
Carbon Monoxide	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Methane	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Nitrogen	ASTM D1946-90	11E0654	20	**76**	1	5/5/2011	5/5/2011	
Oxygen	ASTM D1946-90	11E0654	5.5	**22**	1	5/5/2011	5/5/2011	
Sample ID: IUE0430-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11E0654	0.10	**18**	1	5/5/2011	5/5/2011	
Carbon Monoxide	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Methane	ASTM D1946-90	11E0654	0.10	ND	1	5/5/2011	5/5/2011	
Nitrogen	ASTM D1946-90	11E0654	20	**71**	1	5/5/2011	5/5/2011	
Oxygen	ASTM D1946-90	11E0654	5.5	**10**	1	5/5/2011	5/5/2011	

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUE0430-01) - Air					
ASTM D1946-90	3	05/04/2011 13:15	05/04/2011 16:10	05/05/2011 15:36	05/05/2011 15:36
EPA 8260B MOD	3	05/04/2011 13:15	05/04/2011 16:10	05/04/2011 22:14	05/05/2011 06:01
Sample ID: Carbon 1 (IUE0430-02) - Air					
ASTM D1946-90	3	05/04/2011 13:18	05/04/2011 16:10	05/05/2011 15:59	05/05/2011 15:59
EPA 8260B MOD	3	05/04/2011 13:18	05/04/2011 16:10	05/05/2011 22:12	05/06/2011 01:49
Sample ID: Post Ambient Air (IUE0430-03) - Air					
ASTM D1946-90	3	05/04/2011 13:23	05/04/2011 16:10	05/05/2011 16:23	05/05/2011 16:23
EPA 8260B MOD	3	05/04/2011 13:23	05/04/2011 16:10	05/04/2011 22:18	05/05/2011 06:55
Sample ID: Inlet (IUE0430-04) - Air					
ASTM D1946-90	3	05/04/2011 13:25	05/04/2011 16:10	05/05/2011 16:44	05/05/2011 16:44
EPA 8260B MOD	3	05/04/2011 13:25	05/04/2011 16:10	05/06/2011 23:11	05/07/2011 02:14

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0441 Extracted: 05/04/11										
Blank Analyzed: 05/04/2011 (11E0441-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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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	Sampled: 05/04/11 Received: 05/04/11
	Report Number:	IUE0430	

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: 11E0441 Extracted: 05/04/11										
Blank Analyzed: 05/04/2011 (11E0441-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	*6.91*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*6.32*		*ppmv*	*6.37*		*99*	*80-120*			
Surrogate: Toluene-d8	*13.2*		*ppmv*	*12.2*		*108*	*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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0441 Extracted: 05/04/11										
LCS Analyzed: 05/04/2011 (11E0441-BS1)										
Benzene	17.6	1.6	ppmv	15.7		112	70-120			
Bromobenzene	8.12	0.78	ppmv	7.79		104	75-120			
Bromochloromethane	10.4	0.94	ppmv	9.45		110	70-130			
Bromodichloromethane	7.99	0.75	ppmv	7.46		107	70-135			
Bromoform	4.33	0.48	ppmv	4.84		89	55-130			
Bromomethane	13.2	1.3	ppmv	12.9		102	65-140			
n-Butylbenzene	9.61	0.91	ppmv	9.11		106	70-130			
sec-Butylbenzene	9.32	0.91	ppmv	9.11		102	70-125			
tert-Butylbenzene	9.74	0.91	ppmv	9.11		107	70-125			
Carbon tetrachloride	6.90	0.79	ppmv	7.95		87	65-140			
Chlorobenzene	10.9	1.2	ppmv	10.9		100	75-120			
Chloroethane	20.0	1.9	ppmv	18.9		106	60-140			
Chloroform	11.0	1.0	ppmv	10.2		107	70-130			
Chloromethane	20.2	2.4	ppmv	24.2		84	50-140			
2-Chlorotoluene	9.72	1.0	ppmv	9.66		101	70-125			
4-Chlorotoluene	10.1	1.0	ppmv	9.66		104	75-125			
1,2-Dibromo-3-chloropropane	4.52	1.0	ppmv	5.17		87	50-135			
Dibromochloromethane	5.77	0.59	ppmv	5.87		98	70-140			
1,2-Dibromoethane (EDB)	6.94	0.65	ppmv	6.51		107	75-125			
Dibromomethane	7.21	0.70	ppmv	7.03		103	70-125			
1,2-Dichlorobenzene	8.66	0.83	ppmv	8.32		104	75-120			
1,3-Dichlorobenzene	8.44	0.83	ppmv	8.32		101	75-120			
1,4-Dichlorobenzene	8.40	0.83	ppmv	8.32		101	75-120			
Dichlorodifluoromethane	7.29	1.0	ppmv	10.1		72	35-155			
1,1-Dichloroethane	13.7	1.2	ppmv	12.4		111	70-125			
1,2-Dichloroethane	11.8	1.2	ppmv	12.4		96	60-140			
1,1-Dichloroethene	13.9	1.3	ppmv	12.6		110	70-125			
cis-1,2-Dichloroethene	15.2	1.3	ppmv	12.6		121	70-125			
trans-1,2-Dichloroethene	15.4	1.3	ppmv	12.6		122	70-125			
1,2-Dichloropropane	12.4	1.1	ppmv	10.8		115	70-125			
1,3-Dichloropropane	12.2	1.1	ppmv	10.8		113	70-120			
2,2-Dichloropropane	12.1	1.1	ppmv	10.8		111	65-140			
cis-1,3-Dichloropropene	13.2	1.1	ppmv	11.0		120	75-125			
trans-1,3-Dichloropropene	13.3	1.1	ppmv	11.0		121	70-125			
1,1-Dichloropropene	12.4	1.1	ppmv	11.0		112	75-130			
Ethylbenzene	11.7	1.2	ppmv	11.5		102	75-125			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0441 Extracted: 05/04/11										
LCS Analyzed: 05/04/2011 (11E0441-BS1)										
Hexachlorobutadiene	4.67	0.47	ppmv	4.69		100	65-135			
Isopropylbenzene	10.3	1.0	ppmv	10.2		101	75-130			
p-Isopropyltoluene	9.73	0.91	ppmv	9.11		107	75-125			
Methylene chloride	16.0	1.4	ppmv	14.4		111	55-130			
Naphthalene	10.2	1.0	ppmv	9.54		106	55-135			
n-Propylbenzene	10.8	1.0	ppmv	10.2		106	75-130			
Styrene	12.9	2.4	ppmv	11.7		110	75-130			
1,1,1,2-Tetrachloroethane	7.03	0.73	ppmv	7.28		97	70-130			
1,1,2,2-Tetrachloroethane	8.41	0.73	ppmv	7.28		116	55-130			
Tetrachloroethene	6.98	0.74	ppmv	7.37		95	70-125			
Toluene	13.2	1.3	ppmv	13.3		99	70-120			
1,2,3-Trichlorobenzene	7.17	0.67	ppmv	6.74		106	65-125			
1,2,4-Trichlorobenzene	7.33	0.67	ppmv	6.74		109	70-135			
1,1,1-Trichloroethane	8.93	0.92	ppmv	9.16		97	65-135			
1,1,2-Trichloroethane	11.0	0.92	ppmv	9.16		120	70-125			
Trichloroethene	9.40	0.93	ppmv	9.30		101	70-125			
Trichlorofluoromethane	7.97	0.89	ppmv	8.90		90	65-145			
1,2,3-Trichloropropane	8.28	0.83	ppmv	8.29		100	60-130			
1,2,4-Trimethylbenzene	11.1	1.0	ppmv	10.2		109	75-125			
1,3,5-Trimethylbenzene	10.9	1.0	ppmv	10.2		107	75-125			
Vinyl chloride	17.6	2.0	ppmv	19.6		90	55-135			
m,p-Xylenes	24.3	1.2	ppmv	23.0		106	75-125			
Di-isopropyl Ether (DIPE)	12.4	1.2	ppmv	12.0		104	60-135			
Ethyl tert-Butyl Ether (ETBE)	13.7	1.3	ppmv	12.0		114	65-135			
Methyl-tert-butyl Ether (MTBE)	14.2	1.4	ppmv	13.9		102	60-135			
tert-Amyl Methyl Ether (TAME)	15.8	1.2	ppmv	12.0		132	60-135			
tert-Butanol (TBA)	83.4	17	ppmv	82.5		101	70-135			
Surrogate: 4-Bromofluorobenzene	*6.73*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*6.31*		*ppmv*	*6.37*		*99*	*80-120*			
Surrogate: Toluene-d8	*12.9*		*ppmv*	*12.2*		*105*	*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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0441 Extracted: 05/04/11										
LCS Dup Analyzed: 05/04/2011 (11E0441-BSD1)										
Benzene	18.3	1.6	ppmv	15.7		117	70-120	4	20	
Bromobenzene	8.64	0.78	ppmv	7.79		111	75-120	6	20	
Bromochloromethane	10.5	0.94	ppmv	9.45		111	70-130	1	20	
Bromodichloromethane	8.08	0.75	ppmv	7.46		108	70-135	1	20	
Bromoform	4.15	0.48	ppmv	4.84		86	55-130	4	25	
Bromomethane	14.0	1.3	ppmv	12.9		108	65-140	6	20	
n-Butylbenzene	9.41	0.91	ppmv	9.11		103	70-130	2	20	
sec-Butylbenzene	9.68	0.91	ppmv	9.11		106	70-125	4	20	
tert-Butylbenzene	10.2	0.91	ppmv	9.11		112	70-125	5	20	
Carbon tetrachloride	7.03	0.79	ppmv	7.95		88	65-140	2	25	
Chlorobenzene	10.6	1.2	ppmv	10.9		98	75-120	3	20	
Chloroethane	21.1	1.9	ppmv	18.9		111	60-140	5	20	
Chloroform	11.2	1.0	ppmv	10.2		109	70-130	2	20	
Chloromethane	22.1	2.4	ppmv	24.2		91	50-140	9	25	
2-Chlorotoluene	10.0	1.0	ppmv	9.66		104	70-125	3	20	
4-Chlorotoluene	10.4	1.0	ppmv	9.66		108	75-125	3	20	
1,2-Dibromo-3-chloropropane	4.34	1.0	ppmv	5.17		84	50-135	4	25	
Dibromochloromethane	5.57	0.59	ppmv	5.87		95	70-140	3	20	
1,2-Dibromoethane (EDB)	6.79	0.65	ppmv	6.51		104	75-125	2	20	
Dibromomethane	7.04	0.70	ppmv	7.03		100	70-125	2	20	
1,2-Dichlorobenzene	8.69	0.83	ppmv	8.32		104	75-120	0.4	20	
1,3-Dichlorobenzene	8.68	0.83	ppmv	8.32		104	75-120	3	20	
1,4-Dichlorobenzene	8.46	0.83	ppmv	8.32		102	75-120	0.7	20	
Dichlorodifluoromethane	7.60	1.0	ppmv	10.1		75	35-155	4	30	
1,1-Dichloroethane	14.4	1.2	ppmv	12.4		116	70-125	5	20	
1,2-Dichloroethane	12.0	1.2	ppmv	12.4		97	60-140	2	20	
1,1-Dichloroethene	14.7	1.3	ppmv	12.6		117	70-125	5	20	
cis-1,2-Dichloroethene	15.7	1.3	ppmv	12.6		124	70-125	3	20	
trans-1,2-Dichloroethene	15.3	1.3	ppmv	12.6		122	70-125	0.3	20	
1,2-Dichloropropane	12.9	1.1	ppmv	10.8		120	70-125	4	20	
1,3-Dichloropropane	12.0	1.1	ppmv	10.8		111	70-120	1	20	
2,2-Dichloropropane	11.9	1.1	ppmv	10.8		110	65-140	1	20	
cis-1,3-Dichloropropene	12.8	1.1	ppmv	11.0		117	75-125	3	20	
trans-1,3-Dichloropropene	13.2	1.1	ppmv	11.0		120	70-125	0.9	20	
1,1-Dichloropropene	12.3	1.1	ppmv	11.0		111	75-130	1	20	
Ethylbenzene	11.6	1.2	ppmv	11.5		101	75-125	0.6	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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0441 Extracted: 05/04/11										
LCS Dup Analyzed: 05/04/2011 (11E0441-BSD1)										
Hexachlorobutadiene	4.37	0.47	ppmv	4.69		93	65-135	7	20	
Isopropylbenzene	10.8	1.0	ppmv	10.2		106	75-130	5	20	
p-Isopropyltoluene	9.95	0.91	ppmv	9.11		109	75-125	2	20	
Methylene chloride	17.1	1.4	ppmv	14.4		119	55-130	7	20	
Naphthalene	10.3	1.0	ppmv	9.54		108	55-135	1	25	
n-Propylbenzene	11.2	1.0	ppmv	10.2		110	75-130	4	20	
Styrene	12.5	2.4	ppmv	11.7		107	75-130	3	20	
1,1,1,2-Tetrachloroethane	6.97	0.73	ppmv	7.28		96	70-130	1	20	
1,1,2,2-Tetrachloroethane	8.34	0.73	ppmv	7.28		115	55-130	0.8	25	
Tetrachloroethene	7.01	0.74	ppmv	7.37		95	70-125	0.4	20	
Toluene	13.5	1.3	ppmv	13.3		102	70-120	3	20	
1,2,3-Trichlorobenzene	7.19	0.67	ppmv	6.74		107	65-125	0.3	20	
1,2,4-Trichlorobenzene	7.15	0.67	ppmv	6.74		106	70-135	2	20	
1,1,1-Trichloroethane	9.20	0.92	ppmv	9.16		100	65-135	3	20	
1,1,2-Trichloroethane	11.1	0.92	ppmv	9.16		121	70-125	0.6	20	
Trichloroethene	9.59	0.93	ppmv	9.30		103	70-125	2	20	
Trichlorofluoromethane	8.16	0.89	ppmv	8.90		92	65-145	2	25	
1,2,3-Trichloropropane	8.63	0.83	ppmv	8.29		104	60-130	4	20	
1,2,4-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125	3	20	
1,3,5-Trimethylbenzene	11.2	1.0	ppmv	10.2		111	75-125	3	25	
Vinyl chloride	18.7	2.0	ppmv	19.6		96	55-135	6	20	
m,p-Xylenes	24.0	1.2	ppmv	23.0		104	75-125	1	20	
Di-isopropyl Ether (DIPE)	12.6	1.2	ppmv	12.0		105	60-135	1	20	
Ethyl tert-Butyl Ether (ETBE)	14.6	1.3	ppmv	12.0		122	65-135	6	20	
Methyl-tert-butyl Ether (MTBE)	14.5	1.4	ppmv	13.9		105	60-135	2	25	
tert-Amyl Methyl Ether (TAME)	16.6	1.2	ppmv	12.0		138	60-135	5	20	*L*
tert-Butanol (TBA)	79.1	17	ppmv	82.5		96	70-135	5	25	
Surrogate: 4-Bromofluorobenzene	*6.69*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*6.50*		*ppmv*	*6.37*		*102*	*80-120*			
Surrogate: Toluene-d8	*13.2*		*ppmv*	*12.2*		*108*	*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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0441 Extracted: 05/04/11										
Duplicate Analyzed: 05/05/2011 (11E0441-DUP1)					**Source: IUE0301-21**					
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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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: IUE0430	Sampled: 05/04/11 Received: 05/04/11	

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: 11E0441 Extracted: 05/04/11										
Duplicate Analyzed: 05/05/2011 (11E0441-DUP1)					**Source: IUE0301-21**					
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		0.160				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	1.83	0.74	ppmv		1.72			6	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	*6.71*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*6.09*		*ppmv*	*6.37*		*96*	*80-120*			
Surrogate: Toluene-d8	*13.0*		*ppmv*	*12.2*		*106*	*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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0628 Extracted: 05/05/11										
Blank Analyzed: 05/05/2011 (11E0628-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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0628 Extracted: 05/05/11										
Blank Analyzed: 05/05/2011 (11E0628-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	*6.19*		*ppmv*	*6.99*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*5.92*		*ppmv*	*6.37*		*93*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0628 Extracted: 05/05/11										
LCS Analyzed: 05/05/2011 (11E0628-BS1)										
Benzene	15.7	1.6	ppmv	15.7		100	70-120			
Bromobenzene	7.75	0.78	ppmv	7.79		99	75-120			
Bromochloromethane	9.27	0.94	ppmv	9.45		98	70-130			
Bromodichloromethane	7.75	0.75	ppmv	7.46		104	70-135			
Bromoform	3.47	0.48	ppmv	4.84		72	55-130			
Bromomethane	12.4	1.3	ppmv	12.9		96	65-140			
n-Butylbenzene	9.98	0.91	ppmv	9.11		110	70-130			
sec-Butylbenzene	10.1	0.91	ppmv	9.11		111	70-125			
tert-Butylbenzene	9.67	0.91	ppmv	9.11		106	70-125			
Carbon tetrachloride	8.52	0.79	ppmv	7.95		107	65-140			
Chlorobenzene	10.8	1.2	ppmv	10.9		99	75-120			
Chloroethane	18.7	1.9	ppmv	18.9		99	60-140			
Chloroform	10.2	1.0	ppmv	10.2		99	70-130			
Chloromethane	18.8	2.4	ppmv	24.2		78	50-140			
2-Chlorotoluene	9.94	1.0	ppmv	9.66		103	70-125			
4-Chlorotoluene	10.1	1.0	ppmv	9.66		104	75-125			
1,2-Dibromo-3-chloropropane	3.36	1.0	ppmv	5.17		65	50-135			
Dibromochloromethane	4.91	0.59	ppmv	5.87		84	70-140			
1,2-Dibromoethane (EDB)	5.57	0.65	ppmv	6.51		86	75-125			
Dibromomethane	6.36	0.70	ppmv	7.03		90	70-125			
1,2-Dichlorobenzene	8.52	0.83	ppmv	8.32		102	75-120			
1,3-Dichlorobenzene	8.85	0.83	ppmv	8.32		106	75-120			
1,4-Dichlorobenzene	8.78	0.83	ppmv	8.32		106	75-120			
Dichlorodifluoromethane	8.05	1.0	ppmv	10.1		80	35-155			
1,1-Dichloroethane	12.6	1.2	ppmv	12.4		102	70-125			
1,2-Dichloroethane	10.8	1.2	ppmv	12.4		88	60-140			
1,1-Dichloroethene	11.3	1.3	ppmv	12.6		89	70-125			
cis-1,2-Dichloroethene	13.3	1.3	ppmv	12.6		106	70-125			
trans-1,2-Dichloroethene	12.8	1.3	ppmv	12.6		101	70-125			
1,2-Dichloropropane	10.9	1.1	ppmv	10.8		101	70-125			
1,3-Dichloropropane	9.92	1.1	ppmv	10.8		92	70-120			
2,2-Dichloropropane	17.4	1.1	ppmv	10.8		160	65-140			*L*
cis-1,3-Dichloropropene	11.3	1.1	ppmv	11.0		103	75-125			
trans-1,3-Dichloropropene	10.7	1.1	ppmv	11.0		97	70-125			
1,1-Dichloropropene	11.6	1.1	ppmv	11.0		105	75-130			
Ethylbenzene	11.8	1.2	ppmv	11.5		102	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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0628 Extracted: 05/05/11										
LCS Analyzed: 05/05/2011 (11E0628-BS1)										
Hexachlorobutadiene	4.69	0.47	ppmv	4.69		100	65-135			
Isopropylbenzene	10.7	1.0	ppmv	10.2		105	75-130			
p-Isopropyltoluene	10.1	0.91	ppmv	9.11		110	75-125			
Methylene chloride	14.5	1.4	ppmv	14.4		100	55-130			
Naphthalene	7.83	1.0	ppmv	9.54		82	55-135			
n-Propylbenzene	11.3	1.0	ppmv	10.2		111	75-130			
Styrene	12.0	2.4	ppmv	11.7		102	75-130			
1,1,1,2-Tetrachloroethane	7.95	0.73	ppmv	7.28		109	70-130			
1,1,2,2-Tetrachloroethane	6.88	0.73	ppmv	7.28		94	55-130			
Tetrachloroethene	7.51	0.74	ppmv	7.37		102	70-125			
Toluene	13.5	1.3	ppmv	13.3		101	70-120			
1,2,3-Trichlorobenzene	6.22	0.67	ppmv	6.74		92	65-125			
1,2,4-Trichlorobenzene	6.64	0.67	ppmv	6.74		99	70-135			
1,1,1-Trichloroethane	10.3	0.92	ppmv	9.16		112	65-135			
1,1,2-Trichloroethane	8.41	0.92	ppmv	9.16		92	70-125			
Trichloroethene	9.48	0.93	ppmv	9.30		102	70-125			
Trichlorofluoromethane	9.21	0.89	ppmv	8.90		103	65-145			
1,2,3-Trichloropropane	7.02	0.83	ppmv	8.29		85	60-130			
1,2,4-Trimethylbenzene	11.2	1.0	ppmv	10.2		110	75-125			
1,3,5-Trimethylbenzene	11.2	1.0	ppmv	10.2		110	75-125			
Vinyl chloride	16.1	2.0	ppmv	19.6		82	55-135			
m,p-Xylenes	24.7	1.2	ppmv	23.0		107	75-125			
Di-isopropyl Ether (DIPE)	11.3	1.2	ppmv	12.0		94	60-135			
Ethyl tert-Butyl Ether (ETBE)	13.0	1.3	ppmv	12.0		108	65-135			
Methyl-tert-butyl Ether (MTBE)	12.0	1.4	ppmv	13.9		86	60-135			
tert-Amyl Methyl Ether (TAME)	13.5	1.2	ppmv	12.0		112	60-135			
tert-Butanol (TBA)	79.1	17	ppmv	82.5		96	70-135			
Surrogate: 4-Bromofluorobenzene	*6.49*		*ppmv*	*6.99*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*6.24*		*ppmv*	*6.37*		*98*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0628 Extracted: 05/05/11										
Duplicate Analyzed: 05/05/2011 (11E0628-DUP1)					**Source: IUE0154-01RE1**					
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	*L, C*
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: IUE0430

Sampled: 05/04/11
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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: 11E0628 Extracted: 05/05/11										
Duplicate Analyzed: 05/05/2011 (11E0628-DUP1)					**Source: IUE0154-01RE1**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		ND				20	
Methylene chloride	0.662	1.4	ppmv		0.651			2	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	
Toluene	0.499	1.3	ppmv		0.483			3	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	0.102	1.0	ppmv		0.106			4	20	
1,3,5-Trimethylbenzene	ND	1.0	ppmv		ND				20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	0.917	1.2	ppmv		0.995			8	20	
o-Xylene	0.322	1.2	ppmv		0.336			4	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	*6.24*		*ppmv*	*6.99*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*6.00*		*ppmv*	*6.37*		*94*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*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: 11E0807 Extracted: 05/06/11										
Blank Analyzed: 05/06/2011 (11E0807-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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Newport Beach, CA 92660
Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0807 Extracted: 05/06/11										
Blank Analyzed: 05/06/2011 (11E0807-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	*6.17*		*ppmv*	*6.99*		*88*	*80-120*			
Surrogate: Dibromofluoromethane	*6.35*		*ppmv*	*6.37*		*100*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*101*	*80-120*			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0807 Extracted: 05/06/11										
LCS Analyzed: 05/06/2011 (11E0807-BS1)										
Benzene	15.0	1.6	ppmv	15.7		96	70-120			
Bromobenzene	7.74	0.78	ppmv	7.79		99	75-120			
Bromochloromethane	9.05	0.94	ppmv	9.45		96	70-130			
Bromodichloromethane	8.61	0.75	ppmv	7.46		115	70-135			
Bromoform	6.03	0.48	ppmv	4.84		125	55-130			
Bromomethane	13.2	1.3	ppmv	12.9		102	65-140			
n-Butylbenzene	9.52	0.91	ppmv	9.11		105	70-130			
sec-Butylbenzene	9.72	0.91	ppmv	9.11		107	70-125			
tert-Butylbenzene	8.87	0.91	ppmv	9.11		97	70-125			
Carbon tetrachloride	10.4	0.79	ppmv	7.95		131	65-140			
Chlorobenzene	11.0	1.2	ppmv	10.9		101	75-120			
Chloroethane	14.8	1.9	ppmv	18.9		78	60-140			
Chloroform	10.3	1.0	ppmv	10.2		100	70-130			
Chloromethane	17.8	2.4	ppmv	24.2		74	50-140			
2-Chlorotoluene	9.88	1.0	ppmv	9.66		102	70-125			
4-Chlorotoluene	9.85	1.0	ppmv	9.66		102	75-125			
1,2-Dibromo-3-chloropropane	5.28	1.0	ppmv	5.17		102	50-135			
Dibromochloromethane	6.60	0.59	ppmv	5.87		112	70-140			
1,2-Dibromoethane (EDB)	6.76	0.65	ppmv	6.51		104	75-125			
Dibromomethane	7.65	0.70	ppmv	7.03		109	70-125			
1,2-Dichlorobenzene	8.62	0.83	ppmv	8.32		104	75-120			
1,3-Dichlorobenzene	8.90	0.83	ppmv	8.32		107	75-120			
1,4-Dichlorobenzene	8.14	0.83	ppmv	8.32		98	75-120			
Dichlorodifluoromethane	7.73	1.0	ppmv	10.1		76	35-155			
1,1-Dichloroethane	10.9	1.2	ppmv	12.4		88	70-125			
1,2-Dichloroethane	13.4	1.2	ppmv	12.4		109	60-140			
1,1-Dichloroethene	11.8	1.3	ppmv	12.6		94	70-125			
cis-1,2-Dichloroethene	12.0	1.3	ppmv	12.6		95	70-125			
trans-1,2-Dichloroethene	11.5	1.3	ppmv	12.6		91	70-125			
1,2-Dichloropropane	9.34	1.1	ppmv	10.8		86	70-125			
1,3-Dichloropropane	10.5	1.1	ppmv	10.8		97	70-120			
2,2-Dichloropropane	13.6	1.1	ppmv	10.8		126	65-140			
cis-1,3-Dichloropropene	11.7	1.1	ppmv	11.0		107	75-125			
trans-1,3-Dichloropropene	12.8	1.1	ppmv	11.0		116	70-125			
1,1-Dichloropropene	11.8	1.1	ppmv	11.0		107	75-130			
Ethylbenzene	13.3	1.2	ppmv	11.5		116	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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0807 Extracted: 05/06/11										
LCS Analyzed: 05/06/2011 (11E0807-BS1)										
Hexachlorobutadiene	5.82	0.47	ppmv	4.69		124	65-135			
Isopropylbenzene	10.3	1.0	ppmv	10.2		101	75-130			
p-Isopropyltoluene	10.7	0.91	ppmv	9.11		117	75-125			
Methylene chloride	14.8	1.4	ppmv	14.4		103	55-130			
Naphthalene	9.84	1.0	ppmv	9.54		103	55-135			
n-Propylbenzene	10.5	1.0	ppmv	10.2		104	75-130			
Styrene	12.4	2.4	ppmv	11.7		106	75-130			
1,1,1,2-Tetrachloroethane	8.43	0.73	ppmv	7.28		116	70-130			
1,1,2,2-Tetrachloroethane	6.19	0.73	ppmv	7.28		85	55-130			
Tetrachloroethene	8.06	0.74	ppmv	7.37		109	70-125			
Toluene	14.6	1.3	ppmv	13.3		110	70-120			
1,2,3-Trichlorobenzene	7.71	0.67	ppmv	6.74		114	65-125			
1,2,4-Trichlorobenzene	7.91	0.67	ppmv	6.74		117	70-135			
1,1,1-Trichloroethane	10.5	0.92	ppmv	9.16		114	65-135			
1,1,2-Trichloroethane	9.29	0.92	ppmv	9.16		101	70-125			
Trichloroethene	10.3	0.93	ppmv	9.30		111	70-125			
Trichlorofluoromethane	10.8	0.89	ppmv	8.90		121	65-145			
1,2,3-Trichloropropane	7.20	0.83	ppmv	8.29		87	60-130			
1,2,4-Trimethylbenzene	10.5	1.0	ppmv	10.2		104	75-125			
1,3,5-Trimethylbenzene	10.4	1.0	ppmv	10.2		102	75-125			
Vinyl chloride	17.6	2.0	ppmv	19.6		90	55-135			
m,p-Xylenes	27.8	1.2	ppmv	23.0		121	75-125			
Di-isopropyl Ether (DIPE)	7.75	1.2	ppmv	12.0		65	60-135			
Ethyl tert-Butyl Ether (ETBE)	8.58	1.3	ppmv	12.0		72	65-135			
Methyl-tert-butyl Ether (MTBE)	11.3	1.4	ppmv	13.9		81	60-135			
tert-Amyl Methyl Ether (TAME)	10.2	1.2	ppmv	12.0		85	60-135			
tert-Butanol (TBA)	76.5	17	ppmv	82.5		93	70-135			
Surrogate: 4-Bromofluorobenzene	*7.29*		*ppmv*	*6.99*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*6.19*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0807 Extracted: 05/06/11										
Duplicate Analyzed: 05/06/2011 (11E0807-DUP1)					**Source: IUE0464-12**					
Benzene	0.257	1.6	ppmv		0.626			84	20	*R-4*
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	*C*
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	1.13	1.0	ppmv		0.918			20	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	*C*
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	0.134	1.2	ppmv		0.249			60	20	*R-4*

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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: IUE0430

Sampled: 05/04/11
Received: 05/04/11

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: 11E0807 Extracted: 05/06/11										
Duplicate Analyzed: 05/06/2011 (11E0807-DUP1)					**Source: IUE0464-12**					
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	
Toluene	ND	1.3	ppmv		0.414				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	0.220	1.0	ppmv		0.305			33	20	*R-4*
1,3,5-Trimethylbenzene	0.167	1.0	ppmv		0.248			39	20	*R-4*
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	ND	1.2	ppmv		0.405				20	
o-Xylene	ND	1.2	ppmv		0.184				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	*6.26*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*6.36*		*ppmv*	*6.37*		*100*	*80-120*			
Surrogate: Toluene-d8	*12.8*		*ppmv*	*12.2*		*105*	*80-120*			

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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: 05/04/11
Newport Beach, CA 92660	Report Number:	IUE0430	Received: 05/04/11
Attention: Stephan Klemm			

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: 11E0654 Extracted: 05/05/11										
Duplicate Analyzed: 05/05/2011 (11E0654-DUP1)					**Source: IUE0377-01**					
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	76.0	20	% by Volume		75.8			0.2	20	
Oxygen	24.0	5.5	% by Volume		24.2			0.6	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: IUE0430	Sampled: 05/04/11 Received: 05/04/11

DATA QUALIFIERS AND DEFINITIONS

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.
R-4	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
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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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: IUE0430	Sampled: 05/04/11 Received: 05/04/11

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_____

Lab Identification (if [redacted]ary):

- [x] TA - Irvine, Califor[redacted]
- [ ] TA - Morgan Hill, California
- [ ] TA - Nashville, Tennesee
- [ ] STL
- [ ] Other (location)_____

SHE[redacted]L Chain Of Custody Record

Shell Project Manager to be invoiced: Rog[redacted] Shakely

- [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: 5/4/2011

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	CA / IY	IUE0430

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

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: Container/Preservative or PID Readings or Laboratory Notes
	Effluent	5/4/11	13:15	Air	1 Tedlar														X	X						
	Carbon 1		13:18	Air	1 Tedlar														X	X						
	Post Ambient Air		13:23	Air	1 Tedlar														X	X						
	Inlet		13:25	Air	1 Tedlar														X	X						
	~~Post Ambient Air Dup~~			Air	~~1 Tedlar~~														~~X~~	~~X~~						

TEMPERATURE ON RECEIPT C° RT

16:55 5/4/11 NP

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	5/4/2011	16:10
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Q&Q Graphic (714) 898-9702

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: 06/01/11
Received: 06/01/11
Issued: 06/13/11 09:11

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
IUF0057-01	Effluent	Air
IUF0057-02	Carbon 1	Air
IUF0057-03	Post Ambient Air	Air
IUF0057-04	Inlet	Air
IUF0057-05	Post Ambient Air Dup	Air

Reviewed By:

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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11F0391	1.6	ND	1	6/3/2011	6/3/2011	
Bromobenzene	EPA 8260B MOD	11F0391	0.78	ND	1	6/3/2011	6/3/2011	
Bromochloromethane	EPA 8260B MOD	11F0391	0.94	ND	1	6/3/2011	6/3/2011	
Bromodichloromethane	EPA 8260B MOD	11F0391	0.75	ND	1	6/3/2011	6/3/2011	
Bromoform	EPA 8260B MOD	11F0391	0.48	ND	1	6/3/2011	6/3/2011	
Bromomethane	EPA 8260B MOD	11F0391	1.3	ND	1	6/3/2011	6/3/2011	
n-Butylbenzene	EPA 8260B MOD	11F0391	0.91	ND	1	6/3/2011	6/3/2011	
sec-Butylbenzene	EPA 8260B MOD	11F0391	0.91	ND	1	6/3/2011	6/3/2011	
tert-Butylbenzene	EPA 8260B MOD	11F0391	0.91	ND	1	6/3/2011	6/3/2011	
Carbon tetrachloride	EPA 8260B MOD	11F0391	0.79	ND	1	6/3/2011	6/3/2011	
Chlorobenzene	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
Chloroethane	EPA 8260B MOD	11F0391	1.9	ND	1	6/3/2011	6/3/2011	
Chloroform	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
Chloromethane	EPA 8260B MOD	11F0391	2.4	ND	1	6/3/2011	6/3/2011	
2-Chlorotoluene	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
4-Chlorotoluene	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
Dibromochloromethane	EPA 8260B MOD	11F0391	0.59	ND	1	6/3/2011	6/3/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11F0391	0.65	ND	1	6/3/2011	6/3/2011	
Dibromomethane	EPA 8260B MOD	11F0391	0.70	ND	1	6/3/2011	6/3/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11F0391	0.83	ND	1	6/3/2011	6/3/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11F0391	0.83	ND	1	6/3/2011	6/3/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11F0391	0.83	ND	1	6/3/2011	6/3/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
1,1-Dichloroethane	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
1,2-Dichloroethane	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
1,1-Dichloroethene	EPA 8260B MOD	11F0391	1.3	ND	1	6/3/2011	6/3/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11F0391	1.3	ND	1	6/3/2011	6/3/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11F0391	1.3	ND	1	6/3/2011	6/3/2011	
1,2-Dichloropropane	EPA 8260B MOD	11F0391	1.1	ND	1	6/3/2011	6/3/2011	
1,3-Dichloropropane	EPA 8260B MOD	11F0391	1.1	ND	1	6/3/2011	6/3/2011	
2,2-Dichloropropane	EPA 8260B MOD	11F0391	1.1	ND	1	6/3/2011	6/3/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11F0391	1.1	ND	1	6/3/2011	6/3/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11F0391	1.1	ND	1	6/3/2011	6/3/2011	
1,1-Dichloropropene	EPA 8260B MOD	11F0391	1.1	ND	1	6/3/2011	6/3/2011	
Ethylbenzene	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
Hexachlorobutadiene	EPA 8260B MOD	11F0391	0.47	ND	1	6/3/2011	6/3/2011	
Isopropylbenzene	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
p-Isopropyltoluene	EPA 8260B MOD	11F0391	0.91	ND	1	6/3/2011	6/3/2011	
Methylene chloride	EPA 8260B MOD	11F0391	1.4	ND	1	6/3/2011	6/3/2011	
Naphthalene	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	

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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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
Styrene	EPA 8260B MOD	11F0391	2.4	ND	1	6/3/2011	6/3/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11F0391	0.73	ND	1	6/3/2011	6/3/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11F0391	0.73	ND	1	6/3/2011	6/3/2011	
Tetrachloroethene	EPA 8260B MOD	11F0391	0.74	ND	1	6/3/2011	6/3/2011	R-4
Toluene	EPA 8260B MOD	11F0391	1.3	ND	1	6/3/2011	6/3/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11F0391	0.67	ND	1	6/3/2011	6/3/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11F0391	0.67	ND	1	6/3/2011	6/3/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11F0391	0.92	ND	1	6/3/2011	6/3/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11F0391	0.92	ND	1	6/3/2011	6/3/2011	
Trichloroethene	EPA 8260B MOD	11F0391	0.93	ND	1	6/3/2011	6/3/2011	
Trichlorofluoromethane	EPA 8260B MOD	11F0391	0.89	ND	1	6/3/2011	6/3/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11F0391	0.83	ND	1	6/3/2011	6/3/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11F0391	1.0	ND	1	6/3/2011	6/3/2011	
Vinyl chloride	EPA 8260B MOD	11F0391	2.0	ND	1	6/3/2011	6/3/2011	
m,p-Xylenes	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
o-Xylene	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11F0391	1.3	ND	1	6/3/2011	6/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11F0391	1.4	ND	1	6/3/2011	6/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11F0391	1.2	ND	1	6/3/2011	6/3/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11F0391	17	ND	1	6/3/2011	6/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				

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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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11F0407	1.6	ND	1	6/4/2011	6/4/2011	
Bromobenzene	EPA 8260B MOD	11F0407	0.78	ND	1	6/4/2011	6/4/2011	
Bromochloromethane	EPA 8260B MOD	11F0407	0.94	ND	1	6/4/2011	6/4/2011	
Bromodichloromethane	EPA 8260B MOD	11F0407	0.75	ND	1	6/4/2011	6/4/2011	
Bromoform	EPA 8260B MOD	11F0407	0.48	ND	1	6/4/2011	6/4/2011	
Bromomethane	EPA 8260B MOD	11F0407	1.3	ND	1	6/4/2011	6/4/2011	
n-Butylbenzene	EPA 8260B MOD	11F0407	0.91	ND	1	6/4/2011	6/4/2011	
sec-Butylbenzene	EPA 8260B MOD	11F0407	0.91	ND	1	6/4/2011	6/4/2011	
tert-Butylbenzene	EPA 8260B MOD	11F0407	0.91	ND	1	6/4/2011	6/4/2011	
Carbon tetrachloride	EPA 8260B MOD	11F0407	0.79	ND	1	6/4/2011	6/4/2011	
Chlorobenzene	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	
Chloroethane	EPA 8260B MOD	11F0407	1.9	ND	1	6/4/2011	6/4/2011	
Chloroform	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
Chloromethane	EPA 8260B MOD	11F0407	2.4	ND	1	6/4/2011	6/4/2011	
2-Chlorotoluene	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
4-Chlorotoluene	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
Dibromochloromethane	EPA 8260B MOD	11F0407	0.59	ND	1	6/4/2011	6/4/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11F0407	0.65	ND	1	6/4/2011	6/4/2011	
Dibromomethane	EPA 8260B MOD	11F0407	0.70	ND	1	6/4/2011	6/4/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11F0407	0.83	ND	1	6/4/2011	6/4/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11F0407	0.83	ND	1	6/4/2011	6/4/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11F0407	0.83	ND	1	6/4/2011	6/4/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
1,1-Dichloroethane	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	
1,2-Dichloroethane	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	
1,1-Dichloroethene	EPA 8260B MOD	11F0407	1.3	ND	1	6/4/2011	6/4/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11F0407	1.3	ND	1	6/4/2011	6/4/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11F0407	1.3	ND	1	6/4/2011	6/4/2011	
1,2-Dichloropropane	EPA 8260B MOD	11F0407	1.1	ND	1	6/4/2011	6/4/2011	
1,3-Dichloropropane	EPA 8260B MOD	11F0407	1.1	ND	1	6/4/2011	6/4/2011	
2,2-Dichloropropane	EPA 8260B MOD	11F0407	1.1	ND	1	6/4/2011	6/4/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11F0407	1.1	ND	1	6/4/2011	6/4/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11F0407	1.1	ND	1	6/4/2011	6/4/2011	L
1,1-Dichloropropene	EPA 8260B MOD	11F0407	1.1	ND	1	6/4/2011	6/4/2011	
Ethylbenzene	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	
Hexachlorobutadiene	EPA 8260B MOD	11F0407	0.47	ND	1	6/4/2011	6/4/2011	
Isopropylbenzene	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
p-Isopropyltoluene	EPA 8260B MOD	11F0407	0.91	ND	1	6/4/2011	6/4/2011	
Methylene chloride	EPA 8260B MOD	11F0407	1.4	ND	1	6/4/2011	6/4/2011	
Naphthalene	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
Styrene	EPA 8260B MOD	11F0407	2.4	ND	1	6/4/2011	6/4/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11F0407	0.73	ND	1	6/4/2011	6/4/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11F0407	0.73	ND	1	6/4/2011	6/4/2011	
Tetrachloroethene	EPA 8260B MOD	11F0407	0.74	ND	1	6/4/2011	6/4/2011	
Toluene	EPA 8260B MOD	11F0407	1.3	ND	1	6/4/2011	6/4/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11F0407	0.67	ND	1	6/4/2011	6/4/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11F0407	0.67	ND	1	6/4/2011	6/4/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11F0407	0.92	ND	1	6/4/2011	6/4/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11F0407	0.92	ND	1	6/4/2011	6/4/2011	
Trichloroethene	EPA 8260B MOD	11F0407	0.93	ND	1	6/4/2011	6/4/2011	
Trichlorofluoromethane	EPA 8260B MOD	11F0407	0.89	ND	1	6/4/2011	6/4/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11F0407	0.83	ND	1	6/4/2011	6/4/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11F0407	1.0	ND	1	6/4/2011	6/4/2011	
Vinyl chloride	EPA 8260B MOD	11F0407	2.0	ND	1	6/4/2011	6/4/2011	
m,p-Xylenes	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	
o-Xylene	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11F0407	1.3	ND	1	6/4/2011	6/4/2011	L
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11F0407	1.4	ND	1	6/4/2011	6/4/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11F0407	1.2	ND	1	6/4/2011	6/4/2011	L
tert-Butanol (TBA)	EPA 8260B MOD	11F0407	17	ND	1	6/4/2011	6/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11F0407	80	**2500**	50	6/3/2011	6/4/2011	
Bromobenzene	EPA 8260B MOD	11F0407	39	ND	50	6/3/2011	6/4/2011	
Bromochloromethane	EPA 8260B MOD	11F0407	47	ND	50	6/3/2011	6/4/2011	
Bromodichloromethane	EPA 8260B MOD	11F0407	38	ND	50	6/3/2011	6/4/2011	
Bromoform	EPA 8260B MOD	11F0407	24	ND	50	6/3/2011	6/4/2011	
Bromomethane	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
n-Butylbenzene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
sec-Butylbenzene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
tert-Butylbenzene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Carbon tetrachloride	EPA 8260B MOD	11F0407	40	ND	50	6/3/2011	6/4/2011	
Chlorobenzene	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
Chloroethane	EPA 8260B MOD	11F0407	95	ND	50	6/3/2011	6/4/2011	
Chloroform	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Chloromethane	EPA 8260B MOD	11F0407	120	ND	50	6/3/2011	6/4/2011	
2-Chlorotoluene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
4-Chlorotoluene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Dibromochloromethane	EPA 8260B MOD	11F0407	30	ND	50	6/3/2011	6/4/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11F0407	32	ND	50	6/3/2011	6/4/2011	
Dibromomethane	EPA 8260B MOD	11F0407	35	ND	50	6/3/2011	6/4/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
1,1-Dichloroethane	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
1,2-Dichloroethane	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
1,1-Dichloroethene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
1,2-Dichloropropane	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
1,3-Dichloropropane	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
2,2-Dichloropropane	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	L
1,1-Dichloropropene	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
Ethylbenzene	EPA 8260B MOD	11F0407	60	**73**	50	6/3/2011	6/4/2011	
Hexachlorobutadiene	EPA 8260B MOD	11F0407	24	ND	50	6/3/2011	6/4/2011	
Isopropylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
p-Isopropyltoluene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Methylene chloride	EPA 8260B MOD	11F0407	70	ND	50	6/3/2011	6/4/2011	
Naphthalene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Styrene	EPA 8260B MOD	11F0407	120	ND	50	6/3/2011	6/4/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11F0407	36	ND	50	6/3/2011	6/4/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11F0407	36	ND	50	6/3/2011	6/4/2011	
Tetrachloroethene	EPA 8260B MOD	11F0407	37	ND	50	6/3/2011	6/4/2011	
Toluene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11F0407	34	ND	50	6/3/2011	6/4/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11F0407	34	ND	50	6/3/2011	6/4/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Trichloroethene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Trichlorofluoromethane	EPA 8260B MOD	11F0407	44	ND	50	6/3/2011	6/4/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Vinyl chloride	EPA 8260B MOD	11F0407	100	ND	50	6/3/2011	6/4/2011	
m,p-Xylenes	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
o-Xylene	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	L
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11F0407	70	ND	50	6/3/2011	6/4/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	L
tert-Butanol (TBA)	EPA 8260B MOD	11F0407	850	ND	50	6/3/2011	6/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11F0407	320	**18000**	200	6/3/2011	6/4/2011	
Bromobenzene	EPA 8260B MOD	11F0407	160	ND	200	6/3/2011	6/4/2011	
Bromochloromethane	EPA 8260B MOD	11F0407	190	ND	200	6/3/2011	6/4/2011	
Bromodichloromethane	EPA 8260B MOD	11F0407	150	ND	200	6/3/2011	6/4/2011	
Bromoform	EPA 8260B MOD	11F0407	96	ND	200	6/3/2011	6/4/2011	
Bromomethane	EPA 8260B MOD	11F0407	260	ND	200	6/3/2011	6/4/2011	
n-Butylbenzene	EPA 8260B MOD	11F0407	180	ND	200	6/3/2011	6/4/2011	
sec-Butylbenzene	EPA 8260B MOD	11F0407	180	ND	200	6/3/2011	6/4/2011	
tert-Butylbenzene	EPA 8260B MOD	11F0407	180	ND	200	6/3/2011	6/4/2011	
Carbon tetrachloride	EPA 8260B MOD	11F0407	160	ND	200	6/3/2011	6/4/2011	
Chlorobenzene	EPA 8260B MOD	11F0407	240	ND	200	6/3/2011	6/4/2011	
Chloroethane	EPA 8260B MOD	11F0407	380	ND	200	6/3/2011	6/4/2011	
Chloroform	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
Chloromethane	EPA 8260B MOD	11F0407	480	ND	200	6/3/2011	6/4/2011	
2-Chlorotoluene	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
4-Chlorotoluene	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
Dibromochloromethane	EPA 8260B MOD	11F0407	120	ND	200	6/3/2011	6/4/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11F0407	130	ND	200	6/3/2011	6/4/2011	
Dibromomethane	EPA 8260B MOD	11F0407	140	ND	200	6/3/2011	6/4/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11F0407	170	ND	200	6/3/2011	6/4/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11F0407	170	ND	200	6/3/2011	6/4/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11F0407	170	ND	200	6/3/2011	6/4/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
1,1-Dichloroethane	EPA 8260B MOD	11F0407	240	ND	200	6/3/2011	6/4/2011	
1,2-Dichloroethane	EPA 8260B MOD	11F0407	240	ND	200	6/3/2011	6/4/2011	
1,1-Dichloroethene	EPA 8260B MOD	11F0407	260	ND	200	6/3/2011	6/4/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11F0407	260	ND	200	6/3/2011	6/4/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11F0407	260	ND	200	6/3/2011	6/4/2011	
1,2-Dichloropropane	EPA 8260B MOD	11F0407	220	ND	200	6/3/2011	6/4/2011	
1,3-Dichloropropane	EPA 8260B MOD	11F0407	220	ND	200	6/3/2011	6/4/2011	
2,2-Dichloropropane	EPA 8260B MOD	11F0407	220	ND	200	6/3/2011	6/4/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11F0407	220	ND	200	6/3/2011	6/4/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11F0407	220	ND	200	6/3/2011	6/4/2011	L
1,1-Dichloropropene	EPA 8260B MOD	11F0407	220	ND	200	6/3/2011	6/4/2011	
Ethylbenzene	EPA 8260B MOD	11F0407	240	**520**	200	6/3/2011	6/4/2011	
Hexachlorobutadiene	EPA 8260B MOD	11F0407	94	ND	200	6/3/2011	6/4/2011	
Isopropylbenzene	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
p-Isopropyltoluene	EPA 8260B MOD	11F0407	180	ND	200	6/3/2011	6/4/2011	
Methylene chloride	EPA 8260B MOD	11F0407	280	ND	200	6/3/2011	6/4/2011	
Naphthalene	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
Styrene	EPA 8260B MOD	11F0407	480	ND	200	6/3/2011	6/4/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11F0407	150	ND	200	6/3/2011	6/4/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11F0407	150	ND	200	6/3/2011	6/4/2011	
Tetrachloroethene	EPA 8260B MOD	11F0407	150	ND	200	6/3/2011	6/4/2011	
Toluene	EPA 8260B MOD	11F0407	260	ND	200	6/3/2011	6/4/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11F0407	130	ND	200	6/3/2011	6/4/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11F0407	130	ND	200	6/3/2011	6/4/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11F0407	180	ND	200	6/3/2011	6/4/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11F0407	180	ND	200	6/3/2011	6/4/2011	
Trichloroethene	EPA 8260B MOD	11F0407	190	ND	200	6/3/2011	6/4/2011	
Trichlorofluoromethane	EPA 8260B MOD	11F0407	180	ND	200	6/3/2011	6/4/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11F0407	170	ND	200	6/3/2011	6/4/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11F0407	200	ND	200	6/3/2011	6/4/2011	
Vinyl chloride	EPA 8260B MOD	11F0407	400	ND	200	6/3/2011	6/4/2011	
m,p-Xylenes	EPA 8260B MOD	11F0407	240	ND	200	6/3/2011	6/4/2011	
o-Xylene	EPA 8260B MOD	11F0407	240	ND	200	6/3/2011	6/4/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11F0407	240	ND	200	6/3/2011	6/4/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11F0407	260	ND	200	6/3/2011	6/4/2011	L
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11F0407	280	ND	200	6/3/2011	6/4/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11F0407	240	ND	200	6/3/2011	6/4/2011	L
tert-Butanol (TBA)	EPA 8260B MOD	11F0407	3400	ND	200	6/3/2011	6/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11F0407	80	**2200**	50	6/3/2011	6/4/2011	
Bromobenzene	EPA 8260B MOD	11F0407	39	ND	50	6/3/2011	6/4/2011	
Bromochloromethane	EPA 8260B MOD	11F0407	47	ND	50	6/3/2011	6/4/2011	
Bromodichloromethane	EPA 8260B MOD	11F0407	38	ND	50	6/3/2011	6/4/2011	
Bromoform	EPA 8260B MOD	11F0407	24	ND	50	6/3/2011	6/4/2011	
Bromomethane	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
n-Butylbenzene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
sec-Butylbenzene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
tert-Butylbenzene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Carbon tetrachloride	EPA 8260B MOD	11F0407	40	ND	50	6/3/2011	6/4/2011	
Chlorobenzene	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
Chloroethane	EPA 8260B MOD	11F0407	95	ND	50	6/3/2011	6/4/2011	
Chloroform	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Chloromethane	EPA 8260B MOD	11F0407	120	ND	50	6/3/2011	6/4/2011	
2-Chlorotoluene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
4-Chlorotoluene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Dibromochloromethane	EPA 8260B MOD	11F0407	30	ND	50	6/3/2011	6/4/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11F0407	32	ND	50	6/3/2011	6/4/2011	
Dibromomethane	EPA 8260B MOD	11F0407	35	ND	50	6/3/2011	6/4/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
1,1-Dichloroethane	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
1,2-Dichloroethane	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
1,1-Dichloroethene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
1,2-Dichloropropane	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
1,3-Dichloropropane	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
2,2-Dichloropropane	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	L
1,1-Dichloropropene	EPA 8260B MOD	11F0407	55	ND	50	6/3/2011	6/4/2011	
Ethylbenzene	EPA 8260B MOD	11F0407	60	**64**	50	6/3/2011	6/4/2011	
Hexachlorobutadiene	EPA 8260B MOD	11F0407	24	ND	50	6/3/2011	6/4/2011	
Isopropylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
p-Isopropyltoluene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Methylene chloride	EPA 8260B MOD	11F0407	70	ND	50	6/3/2011	6/4/2011	
Naphthalene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Styrene	EPA 8260B MOD	11F0407	120	ND	50	6/3/2011	6/4/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11F0407	36	ND	50	6/3/2011	6/4/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11F0407	36	ND	50	6/3/2011	6/4/2011	
Tetrachloroethene	EPA 8260B MOD	11F0407	37	ND	50	6/3/2011	6/4/2011	
Toluene	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11F0407	34	ND	50	6/3/2011	6/4/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11F0407	34	ND	50	6/3/2011	6/4/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Trichloroethene	EPA 8260B MOD	11F0407	46	ND	50	6/3/2011	6/4/2011	
Trichlorofluoromethane	EPA 8260B MOD	11F0407	44	ND	50	6/3/2011	6/4/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11F0407	42	ND	50	6/3/2011	6/4/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11F0407	50	ND	50	6/3/2011	6/4/2011	
Vinyl chloride	EPA 8260B MOD	11F0407	100	ND	50	6/3/2011	6/4/2011	
m,p-Xylenes	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
o-Xylene	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11F0407	65	ND	50	6/3/2011	6/4/2011	L
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11F0407	70	ND	50	6/3/2011	6/4/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11F0407	60	ND	50	6/3/2011	6/4/2011	L
tert-Butanol (TBA)	EPA 8260B MOD	11F0407	850	ND	50	6/3/2011	6/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: IUF0057-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11F0295	0.10	**2.1**	1	6/2/2011	6/2/2011	
Carbon Monoxide	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Methane	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Nitrogen	ASTM D1946-90	11F0295	20	**76**	1	6/2/2011	6/2/2011	
Oxygen	ASTM D1946-90	11F0295	5.5	**22**	1	6/2/2011	6/2/2011	
Sample ID: IUF0057-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11F0295	0.10	**2.0**	1	6/2/2011	6/2/2011	
Carbon Monoxide	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Methane	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Nitrogen	ASTM D1946-90	11F0295	20	**76**	1	6/2/2011	6/2/2011	
Oxygen	ASTM D1946-90	11F0295	5.5	**22**	1	6/2/2011	6/2/2011	
Sample ID: IUF0057-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11F0295	0.10	**1.7**	1	6/2/2011	6/2/2011	
Carbon Monoxide	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Methane	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Nitrogen	ASTM D1946-90	11F0295	20	**75**	1	6/2/2011	6/2/2011	
Oxygen	ASTM D1946-90	11F0295	5.5	**23**	1	6/2/2011	6/2/2011	
Sample ID: IUF0057-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11F0295	0.10	**16**	1	6/2/2011	6/2/2011	
Carbon Monoxide	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Methane	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Nitrogen	ASTM D1946-90	11F0295	20	**72**	1	6/2/2011	6/2/2011	
Oxygen	ASTM D1946-90	11F0295	5.5	**11**	1	6/2/2011	6/2/2011	
Sample ID: IUF0057-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11F0295	0.10	**2.1**	1	6/2/2011	6/2/2011	
Carbon Monoxide	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Methane	ASTM D1946-90	11F0295	0.10	ND	1	6/2/2011	6/2/2011	
Nitrogen	ASTM D1946-90	11F0295	20	**76**	1	6/2/2011	6/2/2011	
Oxygen	ASTM D1946-90	11F0295	5.5	**22**	1	6/2/2011	6/2/2011	

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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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUF0057-01) - Air					
ASTM D1946-90	3	06/01/2011 11:15	06/01/2011 15:09	06/02/2011 14:27	06/02/2011 14:27
EPA 8260B MOD	3	06/01/2011 11:15	06/01/2011 15:09	06/03/2011 10:17	06/03/2011 10:39
Sample ID: Carbon 1 (IUF0057-02) - Air					
ASTM D1946-90	3	06/01/2011 11:15	06/01/2011 15:09	06/02/2011 14:47	06/02/2011 14:47
EPA 8260B MOD	3	06/01/2011 11:15	06/01/2011 15:09	06/04/2011 00:43	06/04/2011 01:31
Sample ID: Post Ambient Air (IUF0057-03) - Air					
ASTM D1946-90	3	06/01/2011 11:15	06/01/2011 15:09	06/02/2011 15:38	06/02/2011 15:38
EPA 8260B MOD	3	06/01/2011 11:15	06/01/2011 15:09	06/03/2011 22:21	06/04/2011 00:10
Sample ID: Inlet (IUF0057-04) - Air					
ASTM D1946-90	3	06/01/2011 11:15	06/01/2011 15:09	06/02/2011 15:03	06/02/2011 16:03
EPA 8260B MOD	3	06/01/2011 11:15	06/01/2011 15:09	06/03/2011 22:29	06/04/2011 00:37
Sample ID: Post Ambient Air Dup (IUF0057-05) - Air					
ASTM D1946-90	3	06/01/2011 11:15	06/01/2011 15:09	06/02/2011 16:28	06/02/2011 16:28
EPA 8260B MOD	3	06/01/2011 11:15	06/01/2011 15:09	06/03/2011 22:36	06/04/2011 01:04

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0391 Extracted: 06/03/11										
Blank Analyzed: 06/03/2011 (11F0391-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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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	Sampled: 06/01/11 Received: 06/01/11
	Report Number:	IUF0057	

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: 11F0391 Extracted: 06/03/11										
Blank Analyzed: 06/03/2011 (11F0391-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	*6.32*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*6.24*		*ppmv*	*6.37*		*98*	*80-120*			
Surrogate: Toluene-d8	*11.7*		*ppmv*	*12.2*		*96*	*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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0391 Extracted: 06/03/11										
LCS Analyzed: 06/03/2011 (11F0391-BS1)										
Benzene	15.0	1.6	ppmv	15.7		96	70-120			
Bromobenzene	8.06	0.78	ppmv	7.79		103	75-120			
Bromochloromethane	9.84	0.94	ppmv	9.45		104	70-130			
Bromodichloromethane	8.49	0.75	ppmv	7.46		114	70-135			
Bromoform	4.96	0.48	ppmv	4.84		103	55-130			
Bromomethane	10.4	1.3	ppmv	12.9		81	65-140			
n-Butylbenzene	9.05	0.91	ppmv	9.11		99	70-130			
sec-Butylbenzene	8.98	0.91	ppmv	9.11		99	70-125			
tert-Butylbenzene	9.02	0.91	ppmv	9.11		99	70-125			
Carbon tetrachloride	8.35	0.79	ppmv	7.95		105	65-140			
Chlorobenzene	10.6	1.2	ppmv	10.9		98	75-120			
Chloroethane	17.5	1.9	ppmv	18.9		92	60-140			
Chloroform	10.2	1.0	ppmv	10.2		100	70-130			
Chloromethane	16.0	2.4	ppmv	24.2		66	50-140			
2-Chlorotoluene	9.15	1.0	ppmv	9.66		95	70-125			
4-Chlorotoluene	9.34	1.0	ppmv	9.66		97	75-125			
1,2-Dibromo-3-chloropropane	5.51	1.0	ppmv	5.17		107	50-135			
Dibromochloromethane	6.00	0.59	ppmv	5.87		102	70-140			
1,2-Dibromoethane (EDB)	6.64	0.65	ppmv	6.51		102	75-125			
Dibromomethane	6.90	0.70	ppmv	7.03		98	70-125			
1,2-Dichlorobenzene	8.42	0.83	ppmv	8.32		101	75-120			
1,3-Dichlorobenzene	8.47	0.83	ppmv	8.32		102	75-120			
1,4-Dichlorobenzene	8.34	0.83	ppmv	8.32		100	75-120			
Dichlorodifluoromethane	5.92	1.0	ppmv	10.1		59	35-155			
1,1-Dichloroethane	12.2	1.2	ppmv	12.4		99	70-125			
1,2-Dichloroethane	12.5	1.2	ppmv	12.4		101	60-140			
1,1-Dichloroethene	12.3	1.3	ppmv	12.6		97	70-125			
cis-1,2-Dichloroethene	12.8	1.3	ppmv	12.6		101	70-125			
trans-1,2-Dichloroethene	12.7	1.3	ppmv	12.6		101	70-125			
1,2-Dichloropropane	10.8	1.1	ppmv	10.8		100	70-125			
1,3-Dichloropropane	11.3	1.1	ppmv	10.8		105	70-120			
2,2-Dichloropropane	11.5	1.1	ppmv	10.8		107	65-140			
cis-1,3-Dichloropropene	11.7	1.1	ppmv	11.0		106	75-125			
trans-1,3-Dichloropropene	12.6	1.1	ppmv	11.0		114	70-125			
1,1-Dichloropropene	11.5	1.1	ppmv	11.0		104	75-130			
Ethylbenzene	11.5	1.2	ppmv	11.5		100	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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0391 Extracted: 06/03/11										
LCS Analyzed: 06/03/2011 (11F0391-BS1)										
Hexachlorobutadiene	4.83	0.47	ppmv	4.69		103	65-135			
Isopropylbenzene	9.60	1.0	ppmv	10.2		94	75-130			
p-Isopropyltoluene	9.18	0.91	ppmv	9.11		101	75-125			
Methylene chloride	13.6	1.4	ppmv	14.4		95	55-130			
Naphthalene	10.2	1.0	ppmv	9.54		107	55-135			
n-Propylbenzene	9.82	1.0	ppmv	10.2		97	75-130			
Styrene	12.2	2.4	ppmv	11.7		104	75-130			
1,1,1,2-Tetrachloroethane	7.36	0.73	ppmv	7.28		101	70-130			
1,1,2,2-Tetrachloroethane	7.69	0.73	ppmv	7.28		106	55-130			
Tetrachloroethene	7.69	0.74	ppmv	7.37		104	70-125			
Toluene	12.7	1.3	ppmv	13.3		96	70-120			
1,2,3-Trichlorobenzene	7.21	0.67	ppmv	6.74		107	65-125			
1,2,4-Trichlorobenzene	7.12	0.67	ppmv	6.74		106	70-135			
1,1,1-Trichloroethane	9.62	0.92	ppmv	9.16		105	65-135			
1,1,2-Trichloroethane	9.37	0.92	ppmv	9.16		102	70-125			
Trichloroethene	9.45	0.93	ppmv	9.30		102	70-125			
Trichlorofluoromethane	8.58	0.89	ppmv	8.90		96	65-145			
1,2,3-Trichloropropane	8.11	0.83	ppmv	8.29		98	60-130			
1,2,4-Trimethylbenzene	10.3	1.0	ppmv	10.2		101	75-125			
1,3,5-Trimethylbenzene	10.3	1.0	ppmv	10.2		101	75-125			
Vinyl chloride	13.2	2.0	ppmv	19.6		67	55-135			
m,p-Xylenes	23.3	1.2	ppmv	23.0		101	75-125			
Di-isopropyl Ether (DIPE)	11.0	1.2	ppmv	12.0		92	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.3	1.3	ppmv	12.0		95	65-135			
Methyl-tert-butyl Ether (MTBE)	12.4	1.4	ppmv	13.9		90	60-135			
tert-Amyl Methyl Ether (TAME)	11.2	1.2	ppmv	12.0		93	60-135			
tert-Butanol (TBA)	86.0	17	ppmv	82.5		104	70-135			
Surrogate: 4-Bromofluorobenzene	*6.52*		*ppmv*	*6.99*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*6.20*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*11.6*		*ppmv*	*12.2*		*95*	*80-120*			

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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0391 Extracted: 06/03/11										
Duplicate Analyzed: 06/03/2011 (11F0391-DUP1)					**Source: IUF0057-01**					
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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Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0391 Extracted: 06/03/11										
Duplicate Analyzed: 06/03/2011 (11F0391-DUP1)					**Source: IUF0057-01**					
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	0.115	0.74	ppmv		0.310			92	20	*R-4*
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	*6.38*		*ppmv*	*6.99*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*6.25*		*ppmv*	*6.37*		*98*	*80-120*			
Surrogate: Toluene-d8	*11.8*		*ppmv*	*12.2*		*96*	*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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0407 Extracted: 06/03/11										
Blank Analyzed: 06/03/2011 (11F0407-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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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	Sampled: 06/01/11 Received: 06/01/11
	Report Number:	IUF0057	

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: 11F0407 Extracted: 06/03/11										
Blank Analyzed: 06/03/2011 (11F0407-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	*6.58*		*ppmv*	*6.99*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*6.52*		*ppmv*	*6.37*		*102*	*80-120*			
Surrogate: Toluene-d8	*12.1*		*ppmv*	*12.2*		*99*	*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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0407 Extracted: 06/03/11										
LCS Analyzed: 06/03/2011 (11F0407-BS1)										
Benzene	16.0	1.6	ppmv	15.7		102	70-120			
Bromobenzene	8.04	0.78	ppmv	7.79		103	75-120			
Bromochloromethane	10.2	0.94	ppmv	9.45		108	70-130			
Bromodichloromethane	8.97	0.75	ppmv	7.46		120	70-135			
Bromoform	6.02	0.48	ppmv	4.84		125	55-130			
Bromomethane	13.9	1.3	ppmv	12.9		108	65-140			
n-Butylbenzene	9.13	0.91	ppmv	9.11		100	70-130			
sec-Butylbenzene	9.23	0.91	ppmv	9.11		101	70-125			
tert-Butylbenzene	9.32	0.91	ppmv	9.11		102	70-125			
Carbon tetrachloride	9.23	0.79	ppmv	7.95		116	65-140			
Chlorobenzene	11.6	1.2	ppmv	10.9		107	75-120			
Chloroethane	16.0	1.9	ppmv	18.9		84	60-140			
Chloroform	11.0	1.0	ppmv	10.2		108	70-130			
Chloromethane	18.1	2.4	ppmv	24.2		75	50-140			
2-Chlorotoluene	9.29	1.0	ppmv	9.66		96	70-125			
4-Chlorotoluene	9.92	1.0	ppmv	9.66		103	75-125			
1,2-Dibromo-3-chloropropane	5.72	1.0	ppmv	5.17		111	50-135			
Dibromochloromethane	7.35	0.59	ppmv	5.87		125	70-140			
1,2-Dibromoethane (EDB)	7.32	0.65	ppmv	6.51		112	75-125			
Dibromomethane	7.77	0.70	ppmv	7.03		111	70-125			
1,2-Dichlorobenzene	8.99	0.83	ppmv	8.32		108	75-120			
1,3-Dichlorobenzene	8.78	0.83	ppmv	8.32		106	75-120			
1,4-Dichlorobenzene	8.65	0.83	ppmv	8.32		104	75-120			
Dichlorodifluoromethane	7.32	1.0	ppmv	10.1		72	35-155			
1,1-Dichloroethane	12.3	1.2	ppmv	12.4		99	70-125			
1,2-Dichloroethane	15.9	1.2	ppmv	12.4		128	60-140			
1,1-Dichloroethene	11.8	1.3	ppmv	12.6		94	70-125			
cis-1,2-Dichloroethene	13.4	1.3	ppmv	12.6		107	70-125			
trans-1,2-Dichloroethene	13.6	1.3	ppmv	12.6		108	70-125			
1,2-Dichloropropane	10.2	1.1	ppmv	10.8		94	70-125			
1,3-Dichloropropane	12.4	1.1	ppmv	10.8		115	70-120			
2,2-Dichloropropane	11.3	1.1	ppmv	10.8		104	65-140			
cis-1,3-Dichloropropene	12.6	1.1	ppmv	11.0		114	75-125			
trans-1,3-Dichloropropene	14.2	1.1	ppmv	11.0		129	70-125			*L*
1,1-Dichloropropene	11.7	1.1	ppmv	11.0		107	75-130			
Ethylbenzene	12.8	1.2	ppmv	11.5		111	75-125			

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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: IUF0057	Sampled: 06/01/11 Received: 06/01/11	

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: 11F0407 Extracted: 06/03/11										
LCS Analyzed: 06/03/2011 (11F0407-BS1)										
Hexachlorobutadiene	5.15	0.47	ppmv	4.69		110	65-135			
Isopropylbenzene	9.84	1.0	ppmv	10.2		97	75-130			
p-Isopropyltoluene	9.41	0.91	ppmv	9.11		103	75-125			
Methylene chloride	14.2	1.4	ppmv	14.4		99	55-130			
Naphthalene	10.1	1.0	ppmv	9.54		106	55-135			
n-Propylbenzene	10.2	1.0	ppmv	10.2		100	75-130			
Styrene	14.2	2.4	ppmv	11.7		121	75-130			
1,1,1,2-Tetrachloroethane	8.55	0.73	ppmv	7.28		117	70-130			
1,1,2,2-Tetrachloroethane	6.93	0.73	ppmv	7.28		95	55-130			
Tetrachloroethene	7.91	0.74	ppmv	7.37		107	70-125			
Toluene	13.4	1.3	ppmv	13.3		101	70-120			
1,2,3-Trichlorobenzene	7.47	0.67	ppmv	6.74		111	65-125			
1,2,4-Trichlorobenzene	7.54	0.67	ppmv	6.74		112	70-135			
1,1,1-Trichloroethane	10.3	0.92	ppmv	9.16		112	65-135			
1,1,2-Trichloroethane	10.4	0.92	ppmv	9.16		114	70-125			
Trichloroethene	9.77	0.93	ppmv	9.30		105	70-125			
Trichlorofluoromethane	9.64	0.89	ppmv	8.90		108	65-145			
1,2,3-Trichloropropane	8.03	0.83	ppmv	8.29		97	60-130			
1,2,4-Trimethylbenzene	11.3	1.0	ppmv	10.2		111	75-125			
1,3,5-Trimethylbenzene	10.9	1.0	ppmv	10.2		107	75-125			
Vinyl chloride	16.2	2.0	ppmv	19.6		83	55-135			
m,p-Xylenes	26.2	1.2	ppmv	23.0		114	75-125			
Di-isopropyl Ether (DIPE)	10.4	1.2	ppmv	12.0		87	60-135			
Ethyl tert-Butyl Ether (ETBE)	17.4	1.3	ppmv	12.0		145	65-135			*L*
Methyl-tert-butyl Ether (MTBE)	17.0	1.4	ppmv	13.9		123	60-135			
tert-Amyl Methyl Ether (TAME)	20.9	1.2	ppmv	12.0		175	60-135			*L*
tert-Butanol (TBA)	77.5	17	ppmv	82.5		94	70-135			
Surrogate: 4-Bromofluorobenzene	*7.04*		*ppmv*	*6.99*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*6.21*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*11.9*		*ppmv*	*12.2*		*98*	*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: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0407 Extracted: 06/03/11										
Duplicate Analyzed: 06/03/2011 (11F0407-DUP1)					**Source: IUF0318-01**					
Benzene	0.319	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
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Attention: Stephan Klemm

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUF0057

Sampled: 06/01/11
Received: 06/01/11

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: 11F0407 Extracted: 06/03/11										
Duplicate Analyzed: 06/03/2011 (11F0407-DUP1)					**Source: IUF0318-01**					
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	
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	*6.61*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.24*		*ppmv*	*6.37*		*98*	*80-120*			
Surrogate: Toluene-d8	*12.0*		*ppmv*	*12.2*		*98*	*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: IUF0057	Sampled: 06/01/11 Received: 06/01/11	

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: 11F0295 Extracted: 06/02/11										
Duplicate Analyzed: 06/02/2011 (11F0295-DUP1)					**Source: IUF0057-01**					
Carbon Dioxide	2.07	0.10	% by Volume		2.08			0.5	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	75.6	20	% by Volume		75.6			0.07	20	
Oxygen	22.3	5.5	% by Volume		22.4			0.2	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: IUF0057	Sampled: 06/01/11 Received: 06/01/11

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.
R-4	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
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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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: IUF0057	Sampled: 06/01/11 Received: 06/01/11

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, Tennesee
- [ ] STL
- [ ] Other (location)_____

Shell Project Manager to be invoiced: Roger Shakely

- [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: 6/1/2011

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		97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): Kent Vollmer

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	kvollmer@c2rem.com

SAMPLER NAME(S) (Print): SA / JR

LAB USE ONLY: 7NF0057

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

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	6/1/11	11:15	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						15:55 6/1/11
	Post Ambient Air Dup			Air	1 Tedlar														X	X						

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Stephone	~~6/11~~ 6/1/11	1509
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

11/18/05 Revision

C&C Graphic (714) 898-9707

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: Kent Vollmer

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 07/14/11
Received: 07/14/11
Issued: 07/25/11 10:36

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: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
IUG1336-01	Effluent	Air
IUG1336-02	Carbon 1	Air
IUG1336-03	Post Ambient Air	Air
IUG1336-04	Inlet	Air
IUG1336-05	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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11G1702	1.6	ND	1	7/15/2011	7/15/2011	
Bromobenzene	EPA 8260B MOD	11G1702	0.78	ND	1	7/15/2011	7/15/2011	
Bromochloromethane	EPA 8260B MOD	11G1702	0.94	ND	1	7/15/2011	7/15/2011	
Bromodichloromethane	EPA 8260B MOD	11G1702	0.75	ND	1	7/15/2011	7/15/2011	
Bromoform	EPA 8260B MOD	11G1702	0.48	ND	1	7/15/2011	7/15/2011	
Bromomethane	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
n-Butylbenzene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
sec-Butylbenzene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
tert-Butylbenzene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
Carbon tetrachloride	EPA 8260B MOD	11G1702	0.79	ND	1	7/15/2011	7/15/2011	
Chlorobenzene	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Chloroethane	EPA 8260B MOD	11G1702	1.9	ND	1	7/15/2011	7/15/2011	
Chloroform	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Chloromethane	EPA 8260B MOD	11G1702	2.4	ND	1	7/15/2011	7/15/2011	
2-Chlorotoluene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
4-Chlorotoluene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Dibromochloromethane	EPA 8260B MOD	11G1702	0.59	ND	1	7/15/2011	7/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11G1702	0.65	ND	1	7/15/2011	7/15/2011	
Dibromomethane	EPA 8260B MOD	11G1702	0.70	ND	1	7/15/2011	7/15/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
1,1-Dichloroethane	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
1,2-Dichloroethane	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
1,1-Dichloroethene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
1,2-Dichloropropane	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
1,3-Dichloropropane	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
2,2-Dichloropropane	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
1,1-Dichloropropene	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
Ethylbenzene	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Hexachlorobutadiene	EPA 8260B MOD	11G1702	0.47	ND	1	7/15/2011	7/15/2011	
Isopropylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
p-Isopropyltoluene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
Methylene chloride	EPA 8260B MOD	11G1702	1.4	ND	1	7/15/2011	7/15/2011	
Naphthalene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	

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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Styrene	EPA 8260B MOD	11G1702	2.4	ND	1	7/15/2011	7/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11G1702	0.73	ND	1	7/15/2011	7/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11G1702	0.73	ND	1	7/15/2011	7/15/2011	
Tetrachloroethene	EPA 8260B MOD	11G1702	0.74	ND	1	7/15/2011	7/15/2011	
Toluene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11G1702	0.67	ND	1	7/15/2011	7/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11G1702	0.67	ND	1	7/15/2011	7/15/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11G1702	0.92	ND	1	7/15/2011	7/15/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11G1702	0.92	ND	1	7/15/2011	7/15/2011	
Trichloroethene	EPA 8260B MOD	11G1702	0.93	ND	1	7/15/2011	7/15/2011	
Trichlorofluoromethane	EPA 8260B MOD	11G1702	0.89	ND	1	7/15/2011	7/15/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Vinyl chloride	EPA 8260B MOD	11G1702	2.0	ND	1	7/15/2011	7/15/2011	
m,p-Xylenes	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
o-Xylene	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11G1702	1.4	ND	1	7/15/2011	7/15/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11G1702	17	ND	1	7/15/2011	7/15/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11G1702	1.6	ND	1	7/15/2011	7/15/2011	
Bromobenzene	EPA 8260B MOD	11G1702	0.78	ND	1	7/15/2011	7/15/2011	
Bromochloromethane	EPA 8260B MOD	11G1702	0.94	ND	1	7/15/2011	7/15/2011	
Bromodichloromethane	EPA 8260B MOD	11G1702	0.75	ND	1	7/15/2011	7/15/2011	
Bromoform	EPA 8260B MOD	11G1702	0.48	ND	1	7/15/2011	7/15/2011	
Bromomethane	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
n-Butylbenzene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
sec-Butylbenzene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
tert-Butylbenzene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
Carbon tetrachloride	EPA 8260B MOD	11G1702	0.79	ND	1	7/15/2011	7/15/2011	
Chlorobenzene	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Chloroethane	EPA 8260B MOD	11G1702	1.9	ND	1	7/15/2011	7/15/2011	
Chloroform	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Chloromethane	EPA 8260B MOD	11G1702	2.4	ND	1	7/15/2011	7/15/2011	
2-Chlorotoluene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
4-Chlorotoluene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Dibromochloromethane	EPA 8260B MOD	11G1702	0.59	ND	1	7/15/2011	7/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11G1702	0.65	ND	1	7/15/2011	7/15/2011	
Dibromomethane	EPA 8260B MOD	11G1702	0.70	ND	1	7/15/2011	7/15/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
1,1-Dichloroethane	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
1,2-Dichloroethane	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
1,1-Dichloroethene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
1,2-Dichloropropane	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
1,3-Dichloropropane	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
2,2-Dichloropropane	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
1,1-Dichloropropene	EPA 8260B MOD	11G1702	1.1	ND	1	7/15/2011	7/15/2011	
Ethylbenzene	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Hexachlorobutadiene	EPA 8260B MOD	11G1702	0.47	ND	1	7/15/2011	7/15/2011	
Isopropylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
p-Isopropyltoluene	EPA 8260B MOD	11G1702	0.91	ND	1	7/15/2011	7/15/2011	
Methylene chloride	EPA 8260B MOD	11G1702	1.4	ND	1	7/15/2011	7/15/2011	
Naphthalene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	

TestAmerica Irvine

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Styrene	EPA 8260B MOD	11G1702	2.4	ND	1	7/15/2011	7/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11G1702	0.73	ND	1	7/15/2011	7/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11G1702	0.73	ND	1	7/15/2011	7/15/2011	
Tetrachloroethene	EPA 8260B MOD	11G1702	0.74	ND	1	7/15/2011	7/15/2011	
Toluene	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11G1702	0.67	ND	1	7/15/2011	7/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11G1702	0.67	ND	1	7/15/2011	7/15/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11G1702	0.92	ND	1	7/15/2011	7/15/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11G1702	0.92	ND	1	7/15/2011	7/15/2011	
Trichloroethene	EPA 8260B MOD	11G1702	0.93	ND	1	7/15/2011	7/15/2011	
Trichlorofluoromethane	EPA 8260B MOD	11G1702	0.89	ND	1	7/15/2011	7/15/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11G1702	0.83	ND	1	7/15/2011	7/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11G1702	1.0	ND	1	7/15/2011	7/15/2011	
Vinyl chloride	EPA 8260B MOD	11G1702	2.0	ND	1	7/15/2011	7/15/2011	
m,p-Xylenes	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
o-Xylene	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11G1702	1.3	ND	1	7/15/2011	7/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11G1702	1.4	ND	1	7/15/2011	7/15/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11G1702	1.2	ND	1	7/15/2011	7/15/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11G1702	17	ND	1	7/15/2011	7/15/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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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: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11G1702	80	**2700**	50	7/15/2011	7/15/2011	
Bromobenzene	EPA 8260B MOD	11G1702	39	ND	50	7/15/2011	7/15/2011	
Bromochloromethane	EPA 8260B MOD	11G1702	47	ND	50	7/15/2011	7/15/2011	
Bromodichloromethane	EPA 8260B MOD	11G1702	38	ND	50	7/15/2011	7/15/2011	
Bromoform	EPA 8260B MOD	11G1702	24	ND	50	7/15/2011	7/15/2011	
Bromomethane	EPA 8260B MOD	11G1702	65	ND	50	7/15/2011	7/15/2011	
n-Butylbenzene	EPA 8260B MOD	11G1702	46	ND	50	7/15/2011	7/15/2011	
sec-Butylbenzene	EPA 8260B MOD	11G1702	46	ND	50	7/15/2011	7/15/2011	
tert-Butylbenzene	EPA 8260B MOD	11G1702	46	ND	50	7/15/2011	7/15/2011	
Carbon tetrachloride	EPA 8260B MOD	11G1702	40	ND	50	7/15/2011	7/15/2011	
Chlorobenzene	EPA 8260B MOD	11G1702	60	ND	50	7/15/2011	7/15/2011	
Chloroethane	EPA 8260B MOD	11G1702	95	ND	50	7/15/2011	7/15/2011	
Chloroform	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
Chloromethane	EPA 8260B MOD	11G1702	120	ND	50	7/15/2011	7/15/2011	
2-Chlorotoluene	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
4-Chlorotoluene	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
Dibromochloromethane	EPA 8260B MOD	11G1702	30	ND	50	7/15/2011	7/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11G1702	32	ND	50	7/15/2011	7/15/2011	
Dibromomethane	EPA 8260B MOD	11G1702	35	ND	50	7/15/2011	7/15/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11G1702	42	ND	50	7/15/2011	7/15/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11G1702	42	ND	50	7/15/2011	7/15/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11G1702	42	ND	50	7/15/2011	7/15/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
1,1-Dichloroethane	EPA 8260B MOD	11G1702	60	ND	50	7/15/2011	7/15/2011	
1,2-Dichloroethane	EPA 8260B MOD	11G1702	60	ND	50	7/15/2011	7/15/2011	
1,1-Dichloroethene	EPA 8260B MOD	11G1702	65	ND	50	7/15/2011	7/15/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11G1702	65	ND	50	7/15/2011	7/15/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11G1702	65	ND	50	7/15/2011	7/15/2011	
1,2-Dichloropropane	EPA 8260B MOD	11G1702	55	ND	50	7/15/2011	7/15/2011	
1,3-Dichloropropane	EPA 8260B MOD	11G1702	55	ND	50	7/15/2011	7/15/2011	
2,2-Dichloropropane	EPA 8260B MOD	11G1702	55	ND	50	7/15/2011	7/15/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11G1702	55	ND	50	7/15/2011	7/15/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11G1702	55	ND	50	7/15/2011	7/15/2011	
1,1-Dichloropropene	EPA 8260B MOD	11G1702	55	ND	50	7/15/2011	7/15/2011	
Ethylbenzene	EPA 8260B MOD	11G1702	60	**84**	50	7/15/2011	7/15/2011	
Hexachlorobutadiene	EPA 8260B MOD	11G1702	24	ND	50	7/15/2011	7/15/2011	
Isopropylbenzene	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
p-Isopropyltoluene	EPA 8260B MOD	11G1702	46	ND	50	7/15/2011	7/15/2011	
Methylene chloride	EPA 8260B MOD	11G1702	70	ND	50	7/15/2011	7/15/2011	
Naphthalene	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
Styrene	EPA 8260B MOD	11G1702	120	ND	50	7/15/2011	7/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11G1702	36	ND	50	7/15/2011	7/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11G1702	36	ND	50	7/15/2011	7/15/2011	
Tetrachloroethene	EPA 8260B MOD	11G1702	37	ND	50	7/15/2011	7/15/2011	
Toluene	EPA 8260B MOD	11G1702	65	ND	50	7/15/2011	7/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11G1702	34	ND	50	7/15/2011	7/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11G1702	34	ND	50	7/15/2011	7/15/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11G1702	46	ND	50	7/15/2011	7/15/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11G1702	46	ND	50	7/15/2011	7/15/2011	
Trichloroethene	EPA 8260B MOD	11G1702	46	ND	50	7/15/2011	7/15/2011	
Trichlorofluoromethane	EPA 8260B MOD	11G1702	44	ND	50	7/15/2011	7/15/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11G1702	42	ND	50	7/15/2011	7/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11G1702	50	ND	50	7/15/2011	7/15/2011	
Vinyl chloride	EPA 8260B MOD	11G1702	100	ND	50	7/15/2011	7/15/2011	
m,p-Xylenes	EPA 8260B MOD	11G1702	60	ND	50	7/15/2011	7/15/2011	
o-Xylene	EPA 8260B MOD	11G1702	60	ND	50	7/15/2011	7/15/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11G1702	60	ND	50	7/15/2011	7/15/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11G1702	65	ND	50	7/15/2011	7/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11G1702	70	ND	50	7/15/2011	7/15/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11G1702	60	ND	50	7/15/2011	7/15/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11G1702	850	ND	50	7/15/2011	7/15/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11G1702	320	**17000**	200	7/15/2011	7/15/2011	
Bromobenzene	EPA 8260B MOD	11G1702	160	ND	200	7/15/2011	7/15/2011	
Bromochloromethane	EPA 8260B MOD	11G1702	190	ND	200	7/15/2011	7/15/2011	
Bromodichloromethane	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
Bromoform	EPA 8260B MOD	11G1702	96	ND	200	7/15/2011	7/15/2011	
Bromomethane	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
n-Butylbenzene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
sec-Butylbenzene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
tert-Butylbenzene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
Carbon tetrachloride	EPA 8260B MOD	11G1702	160	ND	200	7/15/2011	7/15/2011	
Chlorobenzene	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
Chloroethane	EPA 8260B MOD	11G1702	380	ND	200	7/15/2011	7/15/2011	
Chloroform	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Chloromethane	EPA 8260B MOD	11G1702	480	ND	200	7/15/2011	7/15/2011	
2-Chlorotoluene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
4-Chlorotoluene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Dibromochloromethane	EPA 8260B MOD	11G1702	120	ND	200	7/15/2011	7/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11G1702	130	ND	200	7/15/2011	7/15/2011	
Dibromomethane	EPA 8260B MOD	11G1702	140	ND	200	7/15/2011	7/15/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
1,1-Dichloroethane	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
1,2-Dichloroethane	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
1,1-Dichloroethene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
1,2-Dichloropropane	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
1,3-Dichloropropane	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
2,2-Dichloropropane	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
1,1-Dichloropropene	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
Ethylbenzene	EPA 8260B MOD	11G1702	240	**580**	200	7/15/2011	7/15/2011	
Hexachlorobutadiene	EPA 8260B MOD	11G1702	94	ND	200	7/15/2011	7/15/2011	
Isopropylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
p-Isopropyltoluene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
Methylene chloride	EPA 8260B MOD	11G1702	280	ND	200	7/15/2011	7/15/2011	
Naphthalene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Styrene	EPA 8260B MOD	11G1702	480	ND	200	7/15/2011	7/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
Tetrachloroethene	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
Toluene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11G1702	130	ND	200	7/15/2011	7/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11G1702	130	ND	200	7/15/2011	7/15/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
Trichloroethene	EPA 8260B MOD	11G1702	190	ND	200	7/15/2011	7/15/2011	
Trichlorofluoromethane	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Vinyl chloride	EPA 8260B MOD	11G1702	400	ND	200	7/15/2011	7/15/2011	
m,p-Xylenes	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
o-Xylene	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11G1702	280	ND	200	7/15/2011	7/15/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11G1702	3400	ND	200	7/15/2011	7/15/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-05 (Inlet Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11G1702	320	**19000**	200	7/15/2011	7/15/2011	
Bromobenzene	EPA 8260B MOD	11G1702	160	ND	200	7/15/2011	7/15/2011	
Bromochloromethane	EPA 8260B MOD	11G1702	190	ND	200	7/15/2011	7/15/2011	
Bromodichloromethane	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
Bromoform	EPA 8260B MOD	11G1702	96	ND	200	7/15/2011	7/15/2011	
Bromomethane	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
n-Butylbenzene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
sec-Butylbenzene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
tert-Butylbenzene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
Carbon tetrachloride	EPA 8260B MOD	11G1702	160	ND	200	7/15/2011	7/15/2011	
Chlorobenzene	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
Chloroethane	EPA 8260B MOD	11G1702	380	ND	200	7/15/2011	7/15/2011	
Chloroform	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Chloromethane	EPA 8260B MOD	11G1702	480	ND	200	7/15/2011	7/15/2011	
2-Chlorotoluene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
4-Chlorotoluene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Dibromochloromethane	EPA 8260B MOD	11G1702	120	ND	200	7/15/2011	7/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11G1702	130	ND	200	7/15/2011	7/15/2011	
Dibromomethane	EPA 8260B MOD	11G1702	140	ND	200	7/15/2011	7/15/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
1,1-Dichloroethane	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
1,2-Dichloroethane	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
1,1-Dichloroethene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
1,2-Dichloropropane	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
1,3-Dichloropropane	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
2,2-Dichloropropane	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
1,1-Dichloropropene	EPA 8260B MOD	11G1702	220	ND	200	7/15/2011	7/15/2011	
Ethylbenzene	EPA 8260B MOD	11G1702	240	**740**	200	7/15/2011	7/15/2011	
Hexachlorobutadiene	EPA 8260B MOD	11G1702	94	ND	200	7/15/2011	7/15/2011	
Isopropylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
p-Isopropyltoluene	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
Methylene chloride	EPA 8260B MOD	11G1702	280	ND	200	7/15/2011	7/15/2011	
Naphthalene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: IUG1336-05 (Inlet Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Styrene	EPA 8260B MOD	11G1702	480	ND	200	7/15/2011	7/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
Tetrachloroethene	EPA 8260B MOD	11G1702	150	ND	200	7/15/2011	7/15/2011	
Toluene	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11G1702	130	ND	200	7/15/2011	7/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11G1702	130	ND	200	7/15/2011	7/15/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
Trichloroethene	EPA 8260B MOD	11G1702	190	ND	200	7/15/2011	7/15/2011	
Trichlorofluoromethane	EPA 8260B MOD	11G1702	180	ND	200	7/15/2011	7/15/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11G1702	170	ND	200	7/15/2011	7/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11G1702	200	ND	200	7/15/2011	7/15/2011	
Vinyl chloride	EPA 8260B MOD	11G1702	400	ND	200	7/15/2011	7/15/2011	
m,p-Xylenes	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
o-Xylene	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11G1702	260	ND	200	7/15/2011	7/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11G1702	280	ND	200	7/15/2011	7/15/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11G1702	240	ND	200	7/15/2011	7/15/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11G1702	3400	ND	200	7/15/2011	7/15/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

Fixed Gases

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG1336-01 (Effluent - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11G0165	0.010	**2.6**	1.0	7/15/2011	7/15/2011	
Carbon monoxide	ASTM D1946	11G0165	0.0010	**0.0023**	1.0	7/15/2011	7/15/2011	
Methane	ASTM D1946	11G0165	0.00020	**0.0020**	1.0	7/15/2011	7/15/2011	
Oxygen	ASTM D1946	11G0165	0.20	**20**	1.0	7/15/2011	7/15/2011	
Nitrogen	ASTM D1946	11G0165	1.0	**76**	1.0	7/15/2011	7/15/2011	
Sample ID: IUG1336-02 (Carbon 1 - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11G0165	0.010	**2.6**	1.0	7/15/2011	7/15/2011	
Carbon monoxide	ASTM D1946	11G0165	0.0010	**0.0023**	1.0	7/15/2011	7/15/2011	
Methane	ASTM D1946	11G0165	0.00020	**0.0020**	1.0	7/15/2011	7/15/2011	
Oxygen	ASTM D1946	11G0165	0.20	**20**	1.0	7/15/2011	7/15/2011	
Nitrogen	ASTM D1946	11G0165	1.0	**76**	1.0	7/15/2011	7/15/2011	
Sample ID: IUG1336-03 (Post Ambient Air - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11G0165	0.010	**2.5**	1.0	7/15/2011	7/15/2011	
Carbon monoxide	ASTM D1946	11G0165	0.0010	**0.0021**	1.0	7/15/2011	7/15/2011	
Methane	ASTM D1946	11G0165	0.00020	**0.0019**	1.0	7/15/2011	7/15/2011	
Oxygen	ASTM D1946	11G0165	0.20	**20**	1.0	7/15/2011	7/15/2011	
Nitrogen	ASTM D1946	11G0165	1.0	**76**	1.0	7/15/2011	7/15/2011	
Sample ID: IUG1336-04 (Inlet - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11G0165	0.010	**18**	1.0	7/15/2011	7/15/2011	
Carbon monoxide	ASTM D1946	11G0165	0.0010	**0.015**	1.0	7/15/2011	7/15/2011	
Methane	ASTM D1946	11G0165	0.00020	**0.013**	1.0	7/15/2011	7/15/2011	
Oxygen	ASTM D1946	11G0165	0.20	**9.2**	1.0	7/15/2011	7/15/2011	
Nitrogen	ASTM D1946	11G0165	1.0	**70**	1.0	7/15/2011	7/15/2011	
Sample ID: IUG1336-05 (Inlet Dup - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11G0165	0.010	**18**	1.0	7/15/2011	7/15/2011	
Carbon monoxide	ASTM D1946	11G0165	0.0010	**0.015**	1.0	7/15/2011	7/15/2011	
Methane	ASTM D1946	11G0165	0.00020	**0.013**	1.0	7/15/2011	7/15/2011	
Oxygen	ASTM D1946	11G0165	0.20	**9.1**	1.0	7/15/2011	7/15/2011	
Nitrogen	ASTM D1946	11G0165	1.0	**70**	1.0	7/15/2011	7/15/2011	

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUG1336-01) - Air					
ASTM D1946	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 15:15	07/15/2011 16:38
EPA 8260B MOD	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 09:25	07/15/2011 11:49
Sample ID: Carbon 1 (IUG1336-02) - Air					
ASTM D1946	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 15:15	07/15/2011 16:55
EPA 8260B MOD	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 13:41	07/15/2011 14:32
Sample ID: Post Ambient Air (IUG1336-03) - Air					
ASTM D1946	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 15:15	07/15/2011 17:13
EPA 8260B MOD	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 09:29	07/15/2011 13:11
Sample ID: Inlet (IUG1336-04) - Air					
ASTM D1946	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 15:15	07/15/2011 17:40
EPA 8260B MOD	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 09:44	07/15/2011 13:38
Sample ID: Inlet Dup (IUG1336-05) - Air					
ASTM D1946	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 15:15	07/15/2011 18:02
EPA 8260B MOD	3	07/14/2011 15:46	07/14/2011 15:46	07/15/2011 10:14	07/15/2011 14:05

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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: 07/14/11
Newport Beach, CA 92660	Report Number:	IUG1336	Received: 07/14/11
Attention: Kent Vollmer			

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: 11G1702 Extracted: 07/15/11										
Blank Analyzed: 07/15/2011 (11G1702-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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C2 Rem	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 07/14/11
Newport Beach, CA 92660	Report Number:	IUG1336	Received: 07/14/11
Attention: Kent Vollmer			

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: 11G1702 Extracted: 07/15/11										
Blank Analyzed: 07/15/2011 (11G1702-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	*6.66*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*6.25*		*ppmv*	*6.37*		*98*	*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: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: 11G1702 Extracted: 07/15/11										
LCS Analyzed: 07/15/2011 (11G1702-BS1)										
Benzene	14.2	1.6	ppmv	15.7		91	70-120			
Bromobenzene	7.15	0.78	ppmv	7.79		92	75-120			
Bromochloromethane	8.33	0.94	ppmv	9.45		88	70-130			
Bromodichloromethane	6.81	0.75	ppmv	7.46		91	70-135			
Bromoform	4.56	0.48	ppmv	4.84		94	55-130			
Bromomethane	10.4	1.3	ppmv	12.9		81	65-140			
n-Butylbenzene	9.71	0.91	ppmv	9.11		107	70-130			
sec-Butylbenzene	9.38	0.91	ppmv	9.11		103	70-125			
tert-Butylbenzene	8.96	0.91	ppmv	9.11		98	70-125			
Carbon tetrachloride	6.90	0.79	ppmv	7.95		87	65-140			
Chlorobenzene	9.87	1.2	ppmv	10.9		91	75-120			
Chloroethane	16.9	1.9	ppmv	18.9		89	60-140			
Chloroform	9.09	1.0	ppmv	10.2		89	70-130			
Chloromethane	18.6	2.4	ppmv	24.2		77	50-140			
2-Chlorotoluene	9.19	1.0	ppmv	9.66		95	70-125			
4-Chlorotoluene	9.47	1.0	ppmv	9.66		98	75-125			
1,2-Dibromo-3-chloropropane	5.42	1.0	ppmv	5.17		105	50-135			
Dibromochloromethane	5.57	0.59	ppmv	5.87		95	70-140			
1,2-Dibromoethane (EDB)	6.26	0.65	ppmv	6.51		96	75-125			
Dibromomethane	6.32	0.70	ppmv	7.03		90	70-125			
1,2-Dichlorobenzene	7.63	0.83	ppmv	8.32		92	75-120			
1,3-Dichlorobenzene	7.75	0.83	ppmv	8.32		93	75-120			
1,4-Dichlorobenzene	7.60	0.83	ppmv	8.32		91	75-120			
Dichlorodifluoromethane	6.49	1.0	ppmv	10.1		64	35-155			
1,1-Dichloroethane	11.6	1.2	ppmv	12.4		94	70-125			
1,2-Dichloroethane	10.9	1.2	ppmv	12.4		88	60-140			
1,1-Dichloroethene	10.9	1.3	ppmv	12.6		87	70-125			
cis-1,2-Dichloroethene	11.7	1.3	ppmv	12.6		93	70-125			
trans-1,2-Dichloroethene	11.5	1.3	ppmv	12.6		91	70-125			
1,2-Dichloropropane	10.0	1.1	ppmv	10.8		93	70-125			
1,3-Dichloropropane	10.3	1.1	ppmv	10.8		96	70-120			
2,2-Dichloropropane	10.7	1.1	ppmv	10.8		99	65-140			
cis-1,3-Dichloropropene	10.5	1.1	ppmv	11.0		95	75-125			
trans-1,3-Dichloropropene	11.0	1.1	ppmv	11.0		100	70-125			
1,1-Dichloropropene	10.3	1.1	ppmv	11.0		93	75-130			
Ethylbenzene	11.5	1.2	ppmv	11.5		100	75-125			

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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: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: 11G1702 Extracted: 07/15/11										
LCS Analyzed: 07/15/2011 (11G1702-BS1)										
Hexachlorobutadiene	4.52	0.47	ppmv	4.69		96	65-135			
Isopropylbenzene	9.81	1.0	ppmv	10.2		96	75-130			
p-Isopropyltoluene	9.17	0.91	ppmv	9.11		101	75-125			
Methylene chloride	11.2	1.4	ppmv	14.4		78	55-130			
Naphthalene	10.2	1.0	ppmv	9.54		107	55-135			
n-Propylbenzene	10.9	1.0	ppmv	10.2		107	75-130			
Styrene	9.77	2.4	ppmv	11.7		83	75-130			
1,1,1,2-Tetrachloroethane	6.45	0.73	ppmv	7.28		89	70-130			
1,1,2,2-Tetrachloroethane	6.72	0.73	ppmv	7.28		92	55-130			
Tetrachloroethene	6.84	0.74	ppmv	7.37		93	70-125			
Toluene	12.5	1.3	ppmv	13.3		94	70-120			
1,2,3-Trichlorobenzene	6.48	0.67	ppmv	6.74		96	65-125			
1,2,4-Trichlorobenzene	6.58	0.67	ppmv	6.74		98	70-135			
1,1,1-Trichloroethane	8.27	0.92	ppmv	9.16		90	65-135			
1,1,2-Trichloroethane	8.14	0.92	ppmv	9.16		89	70-125			
Trichloroethene	8.30	0.93	ppmv	9.30		89	70-125			
Trichlorofluoromethane	7.93	0.89	ppmv	8.90		89	65-145			
1,2,3-Trichloropropane	7.87	0.83	ppmv	8.29		95	60-130			
1,2,4-Trimethylbenzene	10.3	1.0	ppmv	10.2		101	75-125			
1,3,5-Trimethylbenzene	10.3	1.0	ppmv	10.2		101	75-125			
Vinyl chloride	16.2	2.0	ppmv	19.6		83	55-135			
m,p-Xylenes	23.1	1.2	ppmv	23.0		100	75-125			
Di-isopropyl Ether (DIPE)	11.8	1.2	ppmv	12.0		98	60-135			
Ethyl tert-Butyl Ether (ETBE)	11.3	1.3	ppmv	12.0		94	65-135			
Methyl-tert-butyl Ether (MTBE)	12.5	1.4	ppmv	13.9		90	60-135			
tert-Amyl Methyl Ether (TAME)	11.2	1.2	ppmv	12.0		93	60-135			
tert-Butanol (TBA)	80.3	17	ppmv	82.5		97	70-135			
Surrogate: 4-Bromofluorobenzene	*7.25*		*ppmv*	*6.99*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*6.50*		*ppmv*	*6.37*		*102*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

TestAmerica 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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: 11G1702 Extracted: 07/15/11										
Duplicate Analyzed: 07/15/2011 (11G1702-DUP1)					**Source: IUG1336-01**					
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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

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: 11G1702 Extracted: 07/15/11										
Duplicate Analyzed: 07/15/2011 (11G1702-DUP1)					**Source: IUG1336-01**					
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	
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	*6.77*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*6.47*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUG1336

Sampled: 07/14/11
Received: 07/14/11

METHOD BLANK/QC DATA

Fixed Gases

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0165 Extracted: 07/15/11										
Blank Analyzed: 07/15/2011 (11G0165-BLK1)										
Carbon dioxide	ND	0.010	%(v/v)							
Carbon monoxide	ND	0.0010	%(v/v)							
Methane	ND	0.00020	%(v/v)							
Oxygen	ND	0.20	%(v/v)							
Nitrogen	ND	1.0	%(v/v)							
LCS Analyzed: 07/15/2011 (11G0165-BS1)										
Carbon dioxide	0.986	0.010	%(v/v)	0.9980		99	80-120			
Carbon monoxide	0.0461	0.0010	%(v/v)	0.04500		102	80-120			
Methane	0.0542	0.00020	%(v/v)	0.05000		108	80-121			
Oxygen	5.21	0.20	%(v/v)	4.980		105	80-120			
Nitrogen	20.7	1.0	%(v/v)	19.90		104	80-120			
LCS Dup Analyzed: 07/15/2011 (11G0165-BSD1)										
Carbon dioxide	0.987	0.010	%(v/v)	0.9980		99	80-120	0.1	20	
Carbon monoxide	0.0459	0.0010	%(v/v)	0.04500		102	80-120	0.5	20	
Methane	0.0540	0.00020	%(v/v)	0.05000		108	80-121	0.3	20	
Oxygen	5.21	0.20	%(v/v)	4.980		105	80-120	0.04	20	
Nitrogen	20.8	1.0	%(v/v)	19.90		104	80-120	0.06	20	

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUG1336	Sampled: 07/14/11 Received: 07/14/11

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

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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: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUG1336	Sampled: 07/14/11 Received: 07/14/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
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

Subcontracted Laboratories

TestAmerica Los Angeles

3585 Cadillac Ave., Suite A - Costa Mesa, CA 92626

Method Performed: ASTM D1946

Samples: IUG1336-01, IUG1336-02, IUG1336-03, IUG1336-04, IUG1336-05

TestAmerica Irvine

Patty Mata
Project Manager

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LAB: Test America STL Other_____

Lab Identification (if nec[illegible])

- [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: Roger Shakely

- [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: 7/14/11

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	Kvollmer@c2rem.com ~~sklemm@c2rem.com~~	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): ~~Stefan Klemm~~ Kent Voilmer

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	Kvollmer@c2rem.com ~~sklemm@c2rem.com~~

SAMPLER NAME(S) (Print): SM / IY

LAB USE ONLY: IU01336

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			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 ~~Post Ambient Air~~ Dup			Air	1 Tedlar														X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]		7/14/11	15:40
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) [signature] TAT	Date: 7-14-11	Time: 15:46

KK 7-14-11 2037

11/18/05 Revision

RT

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: Kent Vollmer

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 08/10/11
Received: 08/10/11
Issued: 08/24/11 15:17

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
IUH1146-01	Effluent	Air
IUH1146-02	Carbon 1	Air
IUH1146-03	Post Ambient Air	Air
IUH1146-04	Inlet	Air
IUH1146-05	Post Ambient Air Dup	Air

Reviewed By:

TestAmerica Irvine

Patty Mata
Project Manager

TestAmerica
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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	1.6	ND	1	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	0.78	ND	1	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	0.94	ND	1	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	0.75	ND	1	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	0.48	ND	1	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	0.79	ND	1	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	1.9	ND	1	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	2.4	ND	1	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	0.59	ND	1	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	0.65	ND	1	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	0.70	ND	1	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	0.47	ND	1	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
Methylene chloride	EPA 8260B MOD	11H1483	1.4	ND	1	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Styrene	EPA 8260B MOD	11H1483	2.4	ND	1	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	0.73	ND	1	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	0.73	ND	1	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	0.74	ND	1	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	0.67	ND	1	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	0.67	ND	1	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	0.92	ND	1	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	0.92	ND	1	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	0.93	ND	1	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	0.89	ND	1	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	2.0	ND	1	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	1.4	ND	1	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	17	ND	1	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1666	80	**2100**	50	8/12/2011	8/12/2011	
Bromobenzene	EPA 8260B MOD	11H1666	39	ND	50	8/12/2011	8/12/2011	
Bromochloromethane	EPA 8260B MOD	11H1666	47	ND	50	8/12/2011	8/12/2011	
Bromodichloromethane	EPA 8260B MOD	11H1666	38	ND	50	8/12/2011	8/12/2011	
Bromoform	EPA 8260B MOD	11H1666	24	ND	50	8/12/2011	8/12/2011	
Bromomethane	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
n-Butylbenzene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1666	40	ND	50	8/12/2011	8/12/2011	
Chlorobenzene	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Chloroethane	EPA 8260B MOD	11H1666	95	ND	50	8/12/2011	8/12/2011	
Chloroform	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Chloromethane	EPA 8260B MOD	11H1666	120	ND	50	8/12/2011	8/12/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Dibromochloromethane	EPA 8260B MOD	11H1666	30	ND	50	8/12/2011	8/12/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1666	32	ND	50	8/12/2011	8/12/2011	
Dibromomethane	EPA 8260B MOD	11H1666	35	ND	50	8/12/2011	8/12/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
Ethylbenzene	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1666	24	ND	50	8/12/2011	8/12/2011	
Isopropylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	L
Methylene chloride	EPA 8260B MOD	11H1666	70	ND	50	8/12/2011	8/12/2011	
Naphthalene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Styrene	EPA 8260B MOD	11H1666	120	ND	50	8/12/2011	8/12/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1666	36	ND	50	8/12/2011	8/12/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1666	36	ND	50	8/12/2011	8/12/2011	
Tetrachloroethene	EPA 8260B MOD	11H1666	37	ND	50	8/12/2011	8/12/2011	
Toluene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1666	34	ND	50	8/12/2011	8/12/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1666	34	ND	50	8/12/2011	8/12/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
Trichloroethene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1666	44	ND	50	8/12/2011	8/12/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Vinyl chloride	EPA 8260B MOD	11H1666	100	ND	50	8/12/2011	8/12/2011	
m,p-Xylenes	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
o-Xylene	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1666	70	ND	50	8/12/2011	8/12/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1666	850	ND	50	8/12/2011	8/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*86 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	80	**2200**	50	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	39	ND	50	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	47	ND	50	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	38	ND	50	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	40	ND	50	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	95	ND	50	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	30	ND	50	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	32	ND	50	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	35	ND	50	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Methylene chloride	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Styrene	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	37	ND	50	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	44	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	100	ND	50	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	850	ND	50	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*87 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	320	**17000**	200	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	160	ND	200	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	190	ND	200	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	96	ND	200	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	160	ND	200	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	380	ND	200	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	480	ND	200	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	120	ND	200	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	130	ND	200	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	140	ND	200	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	240	**510**	200	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	94	ND	200	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
n-Propylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
Styrene	EPA 8260B MOD	11H1483	480	ND	200	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	130	ND	200	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	130	ND	200	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	190	ND	200	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	400	ND	200	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	280	ND	200	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	3400	ND	200	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-04RE1 (Inlet - Air) - cont.								
Reporting Units: ppmv								
Methylene chloride	EPA 8260B MOD	11H1666	280	ND	200	8/12/2011	8/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Received: 08/10/11

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: IUH1146-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	80	**2400**	50	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	39	ND	50	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	47	ND	50	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	38	ND	50	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	40	ND	50	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	95	ND	50	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	30	ND	50	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	32	ND	50	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	35	ND	50	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	60	**73**	50	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Methylene chloride	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	

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Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Styrene	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	37	ND	50	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	44	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	100	ND	50	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	850	ND	50	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1514	0.10	**2.1**	1	8/11/2011	8/11/2011	
Carbon Monoxide	ASTM D1946-90	11H1514	0.10	ND	1	8/11/2011	8/11/2011	
Methane	ASTM D1946-90	11H1514	0.10	ND	1	8/11/2011	8/11/2011	
Nitrogen	ASTM D1946-90	11H1514	20	**77**	1	8/11/2011	8/11/2011	
Oxygen	ASTM D1946-90	11H1514	5.5	**21**	1	8/11/2011	8/11/2011	
Sample ID: IUH1146-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**1.8**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**77**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**21**	1	8/12/2011	8/12/2011	
Sample ID: IUH1146-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**2.0**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**77**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**21**	1	8/12/2011	8/12/2011	
Sample ID: IUH1146-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**19**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**71**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**10**	1	8/12/2011	8/12/2011	
Sample ID: IUH1146-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**2.4**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**77**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**21**	1	8/12/2011	8/12/2011	

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUH1146-01) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 14:27	08/11/2011 14:27
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 09:42	08/11/2011 14:36
Sample ID: Carbon 1 (IUH1146-02) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 10:14	08/12/2011 10:14
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 08:34	08/12/2011 09:54
Sample ID: Post Ambient Air (IUH1146-03) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 11:36	08/12/2011 11:36
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 09:17	08/11/2011 10:40
Sample ID: Inlet (IUH1146-04) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 11:57	08/12/2011 11:57
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 10:05	08/11/2011 11:39
Sample ID: Inlet (IUH1146-04RE1) - Air					
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 10:01	08/12/2011 10:52
Sample ID: Post Ambient Air Dup (IUH1146-05) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 12:19	08/12/2011 12:19
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 09:27	08/11/2011 11:09

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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: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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: 11H1483 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1483-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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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID: Report Number:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA IUH1146	Sampled: 08/10/11 Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1483-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	*6.21*		*ppmv*	*6.99*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*6.02*		*ppmv*	*6.37*		*94*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*103*	*80-120*			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
LCS Analyzed: 08/11/2011 (11H1483-BS1)										
Benzene	16.7	1.6	ppmv	15.7		107	70-120			
Bromobenzene	8.45	0.78	ppmv	7.79		108	75-120			
Bromochloromethane	10.1	0.94	ppmv	9.45		106	70-130			
Bromodichloromethane	8.21	0.75	ppmv	7.46		110	70-135			
Bromoform	4.45	0.48	ppmv	4.84		92	55-130			
Bromomethane	13.3	1.3	ppmv	12.9		103	65-140			
n-Butylbenzene	10.4	0.91	ppmv	9.11		114	70-130			
sec-Butylbenzene	10.7	0.91	ppmv	9.11		118	70-125			
tert-Butylbenzene	9.81	0.91	ppmv	9.11		108	70-125			
Carbon tetrachloride	9.30	0.79	ppmv	7.95		117	65-140			
Chlorobenzene	11.3	1.2	ppmv	10.9		104	75-120			
Chloroethane	18.8	1.9	ppmv	18.9		99	60-140			
Chloroform	9.53	1.0	ppmv	10.2		93	70-130			
Chloromethane	21.0	2.4	ppmv	24.2		87	50-140			
2-Chlorotoluene	10.5	1.0	ppmv	9.66		108	70-125			
4-Chlorotoluene	10.8	1.0	ppmv	9.66		112	75-125			
1,2-Dibromo-3-chloropropane	4.87	1.0	ppmv	5.17		94	50-135			
Dibromochloromethane	6.50	0.59	ppmv	5.87		111	70-140			
1,2-Dibromoethane (EDB)	6.58	0.65	ppmv	6.51		101	75-125			
Dibromomethane	7.89	0.70	ppmv	7.03		112	70-125			
1,2-Dichlorobenzene	9.10	0.83	ppmv	8.32		109	75-120			
1,3-Dichlorobenzene	9.28	0.83	ppmv	8.32		112	75-120			
1,4-Dichlorobenzene	9.04	0.83	ppmv	8.32		109	75-120			
Dichlorodifluoromethane	8.36	1.0	ppmv	10.1		83	35-155			
1,1-Dichloroethane	11.9	1.2	ppmv	12.4		97	70-125			
1,2-Dichloroethane	13.6	1.2	ppmv	12.4		110	60-140			
1,1-Dichloroethene	12.4	1.3	ppmv	12.6		98	70-125			
cis-1,2-Dichloroethene	13.4	1.3	ppmv	12.6		106	70-125			
trans-1,2-Dichloroethene	12.4	1.3	ppmv	12.6		99	70-125			
1,2-Dichloropropane	11.1	1.1	ppmv	10.8		102	70-125			
1,3-Dichloropropane	10.6	1.1	ppmv	10.8		98	70-120			
2,2-Dichloropropane	11.9	1.1	ppmv	10.8		110	65-140			
cis-1,3-Dichloropropene	12.5	1.1	ppmv	11.0		114	75-125			
trans-1,3-Dichloropropene	13.3	1.1	ppmv	11.0		121	70-125			
1,1-Dichloropropene	12.2	1.1	ppmv	11.0		110	75-130			
Ethylbenzene	12.3	1.2	ppmv	11.5		107	75-125			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
LCS Analyzed: 08/11/2011 (11H1483-BS1)										
Hexachlorobutadiene	5.43	0.47	ppmv	4.69		116	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	12.9	1.4	ppmv	14.4		90	55-130			
Naphthalene	10.7	1.0	ppmv	9.54		112	55-135			
n-Propylbenzene	11.4	1.0	ppmv	10.2		112	75-130			
Styrene	12.4	2.4	ppmv	11.7		105	75-130			
1,1,1,2-Tetrachloroethane	8.07	0.73	ppmv	7.28		111	70-130			
1,1,2,2-Tetrachloroethane	6.74	0.73	ppmv	7.28		93	55-130			
Tetrachloroethene	7.85	0.74	ppmv	7.37		106	70-125			
Toluene	14.9	1.3	ppmv	13.3		112	70-120			
1,2,3-Trichlorobenzene	7.50	0.67	ppmv	6.74		111	65-125			
1,2,4-Trichlorobenzene	7.79	0.67	ppmv	6.74		116	70-135			
1,1,1-Trichloroethane	9.26	0.92	ppmv	9.16		101	65-135			
1,1,2-Trichloroethane	8.95	0.92	ppmv	9.16		98	70-125			
Trichloroethene	10.5	0.93	ppmv	9.30		113	70-125			
Trichlorofluoromethane	10.1	0.89	ppmv	8.90		113	65-145			
1,2,3-Trichloropropane	7.71	0.83	ppmv	8.29		93	60-130			
1,2,4-Trimethylbenzene	11.0	1.0	ppmv	10.2		109	75-125			
1,3,5-Trimethylbenzene	12.2	1.0	ppmv	10.2		120	75-125			
Vinyl chloride	17.8	2.0	ppmv	19.6		91	55-135			
m,p-Xylenes	26.6	1.2	ppmv	23.0		116	75-125			
Di-isopropyl Ether (DIPE)	12.4	1.2	ppmv	12.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.7	1.3	ppmv	12.0		89	65-135			
Methyl-tert-butyl Ether (MTBE)	13.6	1.4	ppmv	13.9		98	60-135			
tert-Amyl Methyl Ether (TAME)	10.6	1.2	ppmv	12.0		88	60-135			
tert-Butanol (TBA)	91.8	17	ppmv	82.5		111	70-135			
Surrogate: 4-Bromofluorobenzene	*6.79*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*5.85*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
Duplicate Analyzed: 08/11/2011 (11H1483-DUP1)					**Source: IUH1089-05**					
Benzene	1.22	1.6	ppmv		1.30			6	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	0.113	0.91	ppmv		0.0984			14	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	2.86	1.2	ppmv		2.83			1	20	

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Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
Duplicate Analyzed: 08/11/2011 (11H1483-DUP1)					**Source: IUH1089-05**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	0.399	1.0	ppmv		0.374			6	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	0.797	1.0	ppmv		0.753			6	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	2.12	1.3	ppmv		2.14			1	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	1.38	1.0	ppmv		1.27			8	20	
1,3,5-Trimethylbenzene	1.74	1.0	ppmv		1.61			8	20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	5.66	1.2	ppmv		5.42			4	20	
o-Xylene	3.07	1.2	ppmv		3.02			2	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	*6.80*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*5.27*		*ppmv*	*6.37*		*83*	*80-120*			
Surrogate: Toluene-d8	*12.8*		*ppmv*	*12.2*		*105*	*80-120*			

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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	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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: 11H1666 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1666-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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C2 Rem	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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: 11H1666 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1666-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	*6.14*		*ppmv*	*6.99*		*88*	*80-120*			
Surrogate: Dibromofluoromethane	*5.88*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
LCS Analyzed: 08/12/2011 (11H1666-BS1)										
Benzene	15.8	1.6	ppmv	15.7		101	70-120			
Bromobenzene	8.19	0.78	ppmv	7.79		105	75-120			
Bromochloromethane	9.09	0.94	ppmv	9.45		96	70-130			
Bromodichloromethane	7.83	0.75	ppmv	7.46		105	70-135			
Bromoform	4.54	0.48	ppmv	4.84		94	55-130			
Bromomethane	13.8	1.3	ppmv	12.9		107	65-140			
n-Butylbenzene	11.1	0.91	ppmv	9.11		122	70-130			
sec-Butylbenzene	11.4	0.91	ppmv	9.11		125	70-125			
tert-Butylbenzene	10.5	0.91	ppmv	9.11		115	70-125			
Carbon tetrachloride	10.5	0.79	ppmv	7.95		132	65-140			
Chlorobenzene	11.3	1.2	ppmv	10.9		104	75-120			
Chloroethane	19.9	1.9	ppmv	18.9		105	60-140			
Chloroform	9.22	1.0	ppmv	10.2		90	70-130			
Chloromethane	21.5	2.4	ppmv	24.2		89	50-140			
2-Chlorotoluene	10.7	1.0	ppmv	9.66		111	70-125			
4-Chlorotoluene	10.8	1.0	ppmv	9.66		111	75-125			
1,2-Dibromo-3-chloropropane	5.41	1.0	ppmv	5.17		105	50-135			
Dibromochloromethane	6.46	0.59	ppmv	5.87		110	70-140			
1,2-Dibromoethane (EDB)	6.73	0.65	ppmv	6.51		103	75-125			
Dibromomethane	7.67	0.70	ppmv	7.03		109	70-125			
1,2-Dichlorobenzene	8.84	0.83	ppmv	8.32		106	75-120			
1,3-Dichlorobenzene	9.35	0.83	ppmv	8.32		112	75-120			
1,4-Dichlorobenzene	8.93	0.83	ppmv	8.32		107	75-120			
Dichlorodifluoromethane	10.2	1.0	ppmv	10.1		101	35-155			
1,1-Dichloroethane	11.6	1.2	ppmv	12.4		94	70-125			
1,2-Dichloroethane	13.3	1.2	ppmv	12.4		108	60-140			
1,1-Dichloroethene	12.5	1.3	ppmv	12.6		99	70-125			
cis-1,2-Dichloroethene	12.3	1.3	ppmv	12.6		98	70-125			
trans-1,2-Dichloroethene	12.5	1.3	ppmv	12.6		99	70-125			
1,2-Dichloropropane	9.95	1.1	ppmv	10.8		92	70-125			
1,3-Dichloropropane	10.5	1.1	ppmv	10.8		97	70-120			
2,2-Dichloropropane	12.6	1.1	ppmv	10.8		116	65-140			
cis-1,3-Dichloropropene	11.5	1.1	ppmv	11.0		104	75-125			
trans-1,3-Dichloropropene	12.1	1.1	ppmv	11.0		110	70-125			
1,1-Dichloropropene	12.7	1.1	ppmv	11.0		115	75-130			
Ethylbenzene	13.0	1.2	ppmv	11.5		113	75-125			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
LCS Analyzed: 08/12/2011 (11H1666-BS1)										
Hexachlorobutadiene	5.90	0.47	ppmv	4.69		126	65-135			
Isopropylbenzene	12.7	1.0	ppmv	10.2		125	75-130			
p-Isopropyltoluene	11.5	0.91	ppmv	9.11		127	75-125			*L*
Methylene chloride	11.8	1.4	ppmv	14.4		82	55-130			
Naphthalene	10.7	1.0	ppmv	9.54		112	55-135			
n-Propylbenzene	12.1	1.0	ppmv	10.2		119	75-130			
Styrene	12.2	2.4	ppmv	11.7		104	75-130			
1,1,1,2-Tetrachloroethane	8.20	0.73	ppmv	7.28		113	70-130			
1,1,2,2-Tetrachloroethane	6.58	0.73	ppmv	7.28		90	55-130			
Tetrachloroethene	8.40	0.74	ppmv	7.37		114	70-125			
Toluene	14.4	1.3	ppmv	13.3		108	70-120			
1,2,3-Trichlorobenzene	7.27	0.67	ppmv	6.74		108	65-125			
1,2,4-Trichlorobenzene	7.46	0.67	ppmv	6.74		111	70-135			
1,1,1-Trichloroethane	10.1	0.92	ppmv	9.16		110	65-135			
1,1,2-Trichloroethane	8.41	0.92	ppmv	9.16		92	70-125			
Trichloroethene	10.8	0.93	ppmv	9.30		116	70-125			
Trichlorofluoromethane	11.6	0.89	ppmv	8.90		131	65-145			
1,2,3-Trichloropropane	7.89	0.83	ppmv	8.29		95	60-130			
1,2,4-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125			
1,3,5-Trimethylbenzene	12.5	1.0	ppmv	10.2		123	75-125			
Vinyl chloride	19.5	2.0	ppmv	19.6		100	55-135			
m,p-Xylenes	27.7	1.2	ppmv	23.0		120	75-125			
Di-isopropyl Ether (DIPE)	10.7	1.2	ppmv	12.0		89	60-135			
Ethyl tert-Butyl Ether (ETBE)	9.50	1.3	ppmv	12.0		79	65-135			
Methyl-tert-butyl Ether (MTBE)	12.2	1.4	ppmv	13.9		88	60-135			
tert-Amyl Methyl Ether (TAME)	9.29	1.2	ppmv	12.0		78	60-135			
tert-Butanol (TBA)	92.2	17	ppmv	82.5		112	70-135			
Surrogate: 4-Bromofluorobenzene	*6.94*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*5.77*		*ppmv*	*6.37*		*91*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
Duplicate Analyzed: 08/12/2011 (11H1666-DUP1)					**Source: IUH1146-02**					
Benzene	2140	80	ppmv		2070			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	ND	60	ppmv		ND				20	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
Duplicate Analyzed: 08/12/2011 (11H1666-DUP1)					**Source: IUH1146-02**					
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	
1,1,2,2-Tetrachloroethane	ND	36	ppmv		ND				25	
Tetrachloroethene	ND	37	ppmv		ND				20	
Toluene	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	*6.32*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*5.75*		*ppmv*	*6.37*		*90*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1514 Extracted: 08/11/11										
Duplicate Analyzed: 08/11/2011 (11H1514-DUP1)					**Source: IUH1089-01**					
Carbon Dioxide	0.430	0.10	% by Volume		0.450			5	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.9	20	% by Volume		77.9			0.06	20	
Oxygen	21.6	5.5	% by Volume		21.7			0.1	20	
Batch: 11H1685 Extracted: 08/12/11										
Duplicate Analyzed: 08/12/2011 (11H1685-DUP1)					**Source: IUH1146-02**					
Carbon Dioxide	1.84	0.10	% by Volume		1.77			4	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	76.8	20	% by Volume		76.9			0.08	20	
Oxygen	21.3	5.5	% by Volume		21.3			0.05	20	

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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: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUH1146	Sampled: 08/10/11 Received: 08/10/11

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.

TestAmerica Irvine

Patty Mata
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: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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_____

Lab Identification (if nec

- [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: Roger Shakely

- [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: 08/10/2011

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	kvollmer@c2rem.com ~~sklemm@c2rem.com~~	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): ~~Stefan Klemm~~ Kent Vollmer

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	kvollmer@c2rem.com ~~sklemm@c2rem.com~~

SAMPLER NAME(S) (Print): JR / SA / SM

LAB USE ONLY: IU11146

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

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
	Effluent	8/10/11	11:30	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
	Post Ambient Air Dup	↓	↓	Air	1 Tedlar														X	X

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C° RT

O.D. 8/10/11 17:00

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	08/10/2011	16:10
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

TestAmerica
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LABORATORY REPORT

Prepared For: C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 08/10/11
Received: 08/10/11
Issued: 08/24/11 15:17

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
IUH1146-01	Effluent	Air
IUH1146-02	Carbon 1	Air
IUH1146-03	Post Ambient Air	Air
IUH1146-04	Inlet	Air
IUH1146-05	Post Ambient Air Dup	Air

Reviewed By:

TestAmerica Irvine

Patty Mata
Project Manager

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Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	1.6	ND	1	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	0.78	ND	1	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	0.94	ND	1	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	0.75	ND	1	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	0.48	ND	1	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	0.79	ND	1	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	1.9	ND	1	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	2.4	ND	1	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	0.59	ND	1	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	0.65	ND	1	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	0.70	ND	1	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	1.1	ND	1	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	0.47	ND	1	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	0.91	ND	1	8/11/2011	8/11/2011	
Methylene chloride	EPA 8260B MOD	11H1483	1.4	ND	1	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	

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Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Styrene	EPA 8260B MOD	11H1483	2.4	ND	1	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	0.73	ND	1	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	0.73	ND	1	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	0.74	ND	1	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	0.67	ND	1	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	0.67	ND	1	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	0.92	ND	1	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	0.92	ND	1	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	0.93	ND	1	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	0.89	ND	1	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	0.83	ND	1	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	1.0	ND	1	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	2.0	ND	1	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	1.3	ND	1	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	1.4	ND	1	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	1.2	ND	1	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	17	ND	1	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1666	80	**2100**	50	8/12/2011	8/12/2011	
Bromobenzene	EPA 8260B MOD	11H1666	39	ND	50	8/12/2011	8/12/2011	
Bromochloromethane	EPA 8260B MOD	11H1666	47	ND	50	8/12/2011	8/12/2011	
Bromodichloromethane	EPA 8260B MOD	11H1666	38	ND	50	8/12/2011	8/12/2011	
Bromoform	EPA 8260B MOD	11H1666	24	ND	50	8/12/2011	8/12/2011	
Bromomethane	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
n-Butylbenzene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1666	40	ND	50	8/12/2011	8/12/2011	
Chlorobenzene	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Chloroethane	EPA 8260B MOD	11H1666	95	ND	50	8/12/2011	8/12/2011	
Chloroform	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Chloromethane	EPA 8260B MOD	11H1666	120	ND	50	8/12/2011	8/12/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Dibromochloromethane	EPA 8260B MOD	11H1666	30	ND	50	8/12/2011	8/12/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1666	32	ND	50	8/12/2011	8/12/2011	
Dibromomethane	EPA 8260B MOD	11H1666	35	ND	50	8/12/2011	8/12/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1666	55	ND	50	8/12/2011	8/12/2011	
Ethylbenzene	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1666	24	ND	50	8/12/2011	8/12/2011	
Isopropylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	L
Methylene chloride	EPA 8260B MOD	11H1666	70	ND	50	8/12/2011	8/12/2011	
Naphthalene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	

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Report Number: IUH1146

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Received: 08/10/11

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: IUH1146-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Styrene	EPA 8260B MOD	11H1666	120	ND	50	8/12/2011	8/12/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1666	36	ND	50	8/12/2011	8/12/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1666	36	ND	50	8/12/2011	8/12/2011	
Tetrachloroethene	EPA 8260B MOD	11H1666	37	ND	50	8/12/2011	8/12/2011	
Toluene	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1666	34	ND	50	8/12/2011	8/12/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1666	34	ND	50	8/12/2011	8/12/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
Trichloroethene	EPA 8260B MOD	11H1666	46	ND	50	8/12/2011	8/12/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1666	44	ND	50	8/12/2011	8/12/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1666	42	ND	50	8/12/2011	8/12/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1666	50	ND	50	8/12/2011	8/12/2011	
Vinyl chloride	EPA 8260B MOD	11H1666	100	ND	50	8/12/2011	8/12/2011	
m,p-Xylenes	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
o-Xylene	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1666	65	ND	50	8/12/2011	8/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1666	70	ND	50	8/12/2011	8/12/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1666	60	ND	50	8/12/2011	8/12/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1666	850	ND	50	8/12/2011	8/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*86 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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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: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	80	**2200**	50	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	39	ND	50	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	47	ND	50	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	38	ND	50	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	40	ND	50	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	95	ND	50	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	30	ND	50	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	32	ND	50	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	35	ND	50	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Methylene chloride	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Styrene	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	37	ND	50	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	44	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	100	ND	50	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	850	ND	50	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*87 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	320	**17000**	200	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	160	ND	200	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	190	ND	200	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	96	ND	200	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	160	ND	200	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	380	ND	200	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	480	ND	200	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	120	ND	200	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	130	ND	200	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	140	ND	200	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	220	ND	200	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	240	**510**	200	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	94	ND	200	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
n-Propylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
Styrene	EPA 8260B MOD	11H1483	480	ND	200	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	150	ND	200	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	130	ND	200	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	130	ND	200	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	190	ND	200	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	180	ND	200	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	170	ND	200	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	200	ND	200	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	400	ND	200	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	260	ND	200	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	280	ND	200	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	240	ND	200	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	3400	ND	200	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-04RE1 (Inlet - Air) - cont.								
Reporting Units: ppmv								
Methylene chloride	EPA 8260B MOD	11H1666	280	ND	200	8/12/2011	8/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11H1483	80	**2400**	50	8/11/2011	8/11/2011	
Bromobenzene	EPA 8260B MOD	11H1483	39	ND	50	8/11/2011	8/11/2011	
Bromochloromethane	EPA 8260B MOD	11H1483	47	ND	50	8/11/2011	8/11/2011	
Bromodichloromethane	EPA 8260B MOD	11H1483	38	ND	50	8/11/2011	8/11/2011	
Bromoform	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Bromomethane	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
n-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
sec-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
tert-Butylbenzene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Carbon tetrachloride	EPA 8260B MOD	11H1483	40	ND	50	8/11/2011	8/11/2011	
Chlorobenzene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Chloroethane	EPA 8260B MOD	11H1483	95	ND	50	8/11/2011	8/11/2011	
Chloroform	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Chloromethane	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
2-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
4-Chlorotoluene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Dibromochloromethane	EPA 8260B MOD	11H1483	30	ND	50	8/11/2011	8/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11H1483	32	ND	50	8/11/2011	8/11/2011	
Dibromomethane	EPA 8260B MOD	11H1483	35	ND	50	8/11/2011	8/11/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,2-Dichloroethane	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
1,1-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,3-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
2,2-Dichloropropane	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
1,1-Dichloropropene	EPA 8260B MOD	11H1483	55	ND	50	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B MOD	11H1483	60	**73**	50	8/11/2011	8/11/2011	
Hexachlorobutadiene	EPA 8260B MOD	11H1483	24	ND	50	8/11/2011	8/11/2011	
Isopropylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
p-Isopropyltoluene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Methylene chloride	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
Naphthalene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Styrene	EPA 8260B MOD	11H1483	120	ND	50	8/11/2011	8/11/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11H1483	36	ND	50	8/11/2011	8/11/2011	
Tetrachloroethene	EPA 8260B MOD	11H1483	37	ND	50	8/11/2011	8/11/2011	
Toluene	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11H1483	34	ND	50	8/11/2011	8/11/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichloroethene	EPA 8260B MOD	11H1483	46	ND	50	8/11/2011	8/11/2011	
Trichlorofluoromethane	EPA 8260B MOD	11H1483	44	ND	50	8/11/2011	8/11/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11H1483	42	ND	50	8/11/2011	8/11/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11H1483	50	ND	50	8/11/2011	8/11/2011	
Vinyl chloride	EPA 8260B MOD	11H1483	100	ND	50	8/11/2011	8/11/2011	
m,p-Xylenes	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
o-Xylene	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11H1483	65	ND	50	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11H1483	70	ND	50	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11H1483	60	ND	50	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11H1483	850	ND	50	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: IUH1146-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1514	0.10	**2.1**	1	8/11/2011	8/11/2011	
Carbon Monoxide	ASTM D1946-90	11H1514	0.10	ND	1	8/11/2011	8/11/2011	
Methane	ASTM D1946-90	11H1514	0.10	ND	1	8/11/2011	8/11/2011	
Nitrogen	ASTM D1946-90	11H1514	20	**77**	1	8/11/2011	8/11/2011	
Oxygen	ASTM D1946-90	11H1514	5.5	**21**	1	8/11/2011	8/11/2011	
Sample ID: IUH1146-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**1.8**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**77**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**21**	1	8/12/2011	8/12/2011	
Sample ID: IUH1146-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**2.0**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**77**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**21**	1	8/12/2011	8/12/2011	
Sample ID: IUH1146-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**19**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**71**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**10**	1	8/12/2011	8/12/2011	
Sample ID: IUH1146-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11H1685	0.10	**2.4**	1	8/12/2011	8/12/2011	
Carbon Monoxide	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Methane	ASTM D1946-90	11H1685	0.10	ND	1	8/12/2011	8/12/2011	
Nitrogen	ASTM D1946-90	11H1685	20	**77**	1	8/12/2011	8/12/2011	
Oxygen	ASTM D1946-90	11H1685	5.5	**21**	1	8/12/2011	8/12/2011	

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUH1146-01) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 14:27	08/11/2011 14:27
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 09:42	08/11/2011 14:36
Sample ID: Carbon 1 (IUH1146-02) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 10:14	08/12/2011 10:14
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 08:34	08/12/2011 09:54
Sample ID: Post Ambient Air (IUH1146-03) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 11:36	08/12/2011 11:36
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 09:17	08/11/2011 10:40
Sample ID: Inlet (IUH1146-04) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 11:57	08/12/2011 11:57
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 10:05	08/11/2011 11:39
Sample ID: Inlet (IUH1146-04RE1) - Air					
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 10:01	08/12/2011 10:52
Sample ID: Post Ambient Air Dup (IUH1146-05) - Air					
ASTM D1946-90	3	08/10/2011 11:30	08/10/2011 16:10	08/12/2011 12:19	08/12/2011 12:19
EPA 8260B MOD	3	08/10/2011 11:30	08/10/2011 16:10	08/11/2011 09:27	08/11/2011 11:09

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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: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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: 11H1483 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1483-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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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID: Report Number:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA IUH1146	Sampled: 08/10/11 Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1483-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	*6.21*		*ppmv*	*6.99*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*6.02*		*ppmv*	*6.37*		*94*	*80-120*			
Surrogate: Toluene-d8	*12.5*		*ppmv*	*12.2*		*103*	*80-120*			

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
LCS Analyzed: 08/11/2011 (11H1483-BS1)										
Benzene	16.7	1.6	ppmv	15.7		107	70-120			
Bromobenzene	8.45	0.78	ppmv	7.79		108	75-120			
Bromochloromethane	10.1	0.94	ppmv	9.45		106	70-130			
Bromodichloromethane	8.21	0.75	ppmv	7.46		110	70-135			
Bromoform	4.45	0.48	ppmv	4.84		92	55-130			
Bromomethane	13.3	1.3	ppmv	12.9		103	65-140			
n-Butylbenzene	10.4	0.91	ppmv	9.11		114	70-130			
sec-Butylbenzene	10.7	0.91	ppmv	9.11		118	70-125			
tert-Butylbenzene	9.81	0.91	ppmv	9.11		108	70-125			
Carbon tetrachloride	9.30	0.79	ppmv	7.95		117	65-140			
Chlorobenzene	11.3	1.2	ppmv	10.9		104	75-120			
Chloroethane	18.8	1.9	ppmv	18.9		99	60-140			
Chloroform	9.53	1.0	ppmv	10.2		93	70-130			
Chloromethane	21.0	2.4	ppmv	24.2		87	50-140			
2-Chlorotoluene	10.5	1.0	ppmv	9.66		108	70-125			
4-Chlorotoluene	10.8	1.0	ppmv	9.66		112	75-125			
1,2-Dibromo-3-chloropropane	4.87	1.0	ppmv	5.17		94	50-135			
Dibromochloromethane	6.50	0.59	ppmv	5.87		111	70-140			
1,2-Dibromoethane (EDB)	6.58	0.65	ppmv	6.51		101	75-125			
Dibromomethane	7.89	0.70	ppmv	7.03		112	70-125			
1,2-Dichlorobenzene	9.10	0.83	ppmv	8.32		109	75-120			
1,3-Dichlorobenzene	9.28	0.83	ppmv	8.32		112	75-120			
1,4-Dichlorobenzene	9.04	0.83	ppmv	8.32		109	75-120			
Dichlorodifluoromethane	8.36	1.0	ppmv	10.1		83	35-155			
1,1-Dichloroethane	11.9	1.2	ppmv	12.4		97	70-125			
1,2-Dichloroethane	13.6	1.2	ppmv	12.4		110	60-140			
1,1-Dichloroethene	12.4	1.3	ppmv	12.6		98	70-125			
cis-1,2-Dichloroethene	13.4	1.3	ppmv	12.6		106	70-125			
trans-1,2-Dichloroethene	12.4	1.3	ppmv	12.6		99	70-125			
1,2-Dichloropropane	11.1	1.1	ppmv	10.8		102	70-125			
1,3-Dichloropropane	10.6	1.1	ppmv	10.8		98	70-120			
2,2-Dichloropropane	11.9	1.1	ppmv	10.8		110	65-140			
cis-1,3-Dichloropropene	12.5	1.1	ppmv	11.0		114	75-125			
trans-1,3-Dichloropropene	13.3	1.1	ppmv	11.0		121	70-125			
1,1-Dichloropropene	12.2	1.1	ppmv	11.0		110	75-130			
Ethylbenzene	12.3	1.2	ppmv	11.5		107	75-125			

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
LCS Analyzed: 08/11/2011 (11H1483-BS1)										
Hexachlorobutadiene	5.43	0.47	ppmv	4.69		116	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	12.9	1.4	ppmv	14.4		90	55-130			
Naphthalene	10.7	1.0	ppmv	9.54		112	55-135			
n-Propylbenzene	11.4	1.0	ppmv	10.2		112	75-130			
Styrene	12.4	2.4	ppmv	11.7		105	75-130			
1,1,1,2-Tetrachloroethane	8.07	0.73	ppmv	7.28		111	70-130			
1,1,2,2-Tetrachloroethane	6.74	0.73	ppmv	7.28		93	55-130			
Tetrachloroethene	7.85	0.74	ppmv	7.37		106	70-125			
Toluene	14.9	1.3	ppmv	13.3		112	70-120			
1,2,3-Trichlorobenzene	7.50	0.67	ppmv	6.74		111	65-125			
1,2,4-Trichlorobenzene	7.79	0.67	ppmv	6.74		116	70-135			
1,1,1-Trichloroethane	9.26	0.92	ppmv	9.16		101	65-135			
1,1,2-Trichloroethane	8.95	0.92	ppmv	9.16		98	70-125			
Trichloroethene	10.5	0.93	ppmv	9.30		113	70-125			
Trichlorofluoromethane	10.1	0.89	ppmv	8.90		113	65-145			
1,2,3-Trichloropropane	7.71	0.83	ppmv	8.29		93	60-130			
1,2,4-Trimethylbenzene	11.0	1.0	ppmv	10.2		109	75-125			
1,3,5-Trimethylbenzene	12.2	1.0	ppmv	10.2		120	75-125			
Vinyl chloride	17.8	2.0	ppmv	19.6		91	55-135			
m,p-Xylenes	26.6	1.2	ppmv	23.0		116	75-125			
Di-isopropyl Ether (DIPE)	12.4	1.2	ppmv	12.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.7	1.3	ppmv	12.0		89	65-135			
Methyl-tert-butyl Ether (MTBE)	13.6	1.4	ppmv	13.9		98	60-135			
tert-Amyl Methyl Ether (TAME)	10.6	1.2	ppmv	12.0		88	60-135			
tert-Butanol (TBA)	91.8	17	ppmv	82.5		111	70-135			
Surrogate: 4-Bromofluorobenzene	*6.79*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*5.85*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
Duplicate Analyzed: 08/11/2011 (11H1483-DUP1)					**Source: IUH1089-05**					
Benzene	1.22	1.6	ppmv		1.30			6	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	0.113	0.91	ppmv		0.0984			14	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	2.86	1.2	ppmv		2.83			1	20	

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C2 Rem
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1483 Extracted: 08/11/11										
Duplicate Analyzed: 08/11/2011 (11H1483-DUP1)					**Source: IUH1089-05**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	0.399	1.0	ppmv		0.374			6	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	0.797	1.0	ppmv		0.753			6	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	2.12	1.3	ppmv		2.14			1	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	1.38	1.0	ppmv		1.27			8	20	
1,3,5-Trimethylbenzene	1.74	1.0	ppmv		1.61			8	20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	5.66	1.2	ppmv		5.42			4	20	
o-Xylene	3.07	1.2	ppmv		3.02			2	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	*6.80*		*ppmv*	*6.99*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*5.27*		*ppmv*	*6.37*		*83*	*80-120*			
Surrogate: Toluene-d8	*12.8*		*ppmv*	*12.2*		*105*	*80-120*			

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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: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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: 11H1666 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1666-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	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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: 11H1666 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1666-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	*6.14*		*ppmv*	*6.99*		*88*	*80-120*			
Surrogate: Dibromofluoromethane	*5.88*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
LCS Analyzed: 08/12/2011 (11H1666-BS1)										
Benzene	15.8	1.6	ppmv	15.7		101	70-120			
Bromobenzene	8.19	0.78	ppmv	7.79		105	75-120			
Bromochloromethane	9.09	0.94	ppmv	9.45		96	70-130			
Bromodichloromethane	7.83	0.75	ppmv	7.46		105	70-135			
Bromoform	4.54	0.48	ppmv	4.84		94	55-130			
Bromomethane	13.8	1.3	ppmv	12.9		107	65-140			
n-Butylbenzene	11.1	0.91	ppmv	9.11		122	70-130			
sec-Butylbenzene	11.4	0.91	ppmv	9.11		125	70-125			
tert-Butylbenzene	10.5	0.91	ppmv	9.11		115	70-125			
Carbon tetrachloride	10.5	0.79	ppmv	7.95		132	65-140			
Chlorobenzene	11.3	1.2	ppmv	10.9		104	75-120			
Chloroethane	19.9	1.9	ppmv	18.9		105	60-140			
Chloroform	9.22	1.0	ppmv	10.2		90	70-130			
Chloromethane	21.5	2.4	ppmv	24.2		89	50-140			
2-Chlorotoluene	10.7	1.0	ppmv	9.66		111	70-125			
4-Chlorotoluene	10.8	1.0	ppmv	9.66		111	75-125			
1,2-Dibromo-3-chloropropane	5.41	1.0	ppmv	5.17		105	50-135			
Dibromochloromethane	6.46	0.59	ppmv	5.87		110	70-140			
1,2-Dibromoethane (EDB)	6.73	0.65	ppmv	6.51		103	75-125			
Dibromomethane	7.67	0.70	ppmv	7.03		109	70-125			
1,2-Dichlorobenzene	8.84	0.83	ppmv	8.32		106	75-120			
1,3-Dichlorobenzene	9.35	0.83	ppmv	8.32		112	75-120			
1,4-Dichlorobenzene	8.93	0.83	ppmv	8.32		107	75-120			
Dichlorodifluoromethane	10.2	1.0	ppmv	10.1		101	35-155			
1,1-Dichloroethane	11.6	1.2	ppmv	12.4		94	70-125			
1,2-Dichloroethane	13.3	1.2	ppmv	12.4		108	60-140			
1,1-Dichloroethene	12.5	1.3	ppmv	12.6		99	70-125			
cis-1,2-Dichloroethene	12.3	1.3	ppmv	12.6		98	70-125			
trans-1,2-Dichloroethene	12.5	1.3	ppmv	12.6		99	70-125			
1,2-Dichloropropane	9.95	1.1	ppmv	10.8		92	70-125			
1,3-Dichloropropane	10.5	1.1	ppmv	10.8		97	70-120			
2,2-Dichloropropane	12.6	1.1	ppmv	10.8		116	65-140			
cis-1,3-Dichloropropene	11.5	1.1	ppmv	11.0		104	75-125			
trans-1,3-Dichloropropene	12.1	1.1	ppmv	11.0		110	70-125			
1,1-Dichloropropene	12.7	1.1	ppmv	11.0		115	75-130			
Ethylbenzene	13.0	1.2	ppmv	11.5		113	75-125			

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C2 Rem
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
LCS Analyzed: 08/12/2011 (11H1666-BS1)										
Hexachlorobutadiene	5.90	0.47	ppmv	4.69		126	65-135			
Isopropylbenzene	12.7	1.0	ppmv	10.2		125	75-130			
p-Isopropyltoluene	11.5	0.91	ppmv	9.11		127	75-125			*L*
Methylene chloride	11.8	1.4	ppmv	14.4		82	55-130			
Naphthalene	10.7	1.0	ppmv	9.54		112	55-135			
n-Propylbenzene	12.1	1.0	ppmv	10.2		119	75-130			
Styrene	12.2	2.4	ppmv	11.7		104	75-130			
1,1,1,2-Tetrachloroethane	8.20	0.73	ppmv	7.28		113	70-130			
1,1,2,2-Tetrachloroethane	6.58	0.73	ppmv	7.28		90	55-130			
Tetrachloroethene	8.40	0.74	ppmv	7.37		114	70-125			
Toluene	14.4	1.3	ppmv	13.3		108	70-120			
1,2,3-Trichlorobenzene	7.27	0.67	ppmv	6.74		108	65-125			
1,2,4-Trichlorobenzene	7.46	0.67	ppmv	6.74		111	70-135			
1,1,1-Trichloroethane	10.1	0.92	ppmv	9.16		110	65-135			
1,1,2-Trichloroethane	8.41	0.92	ppmv	9.16		92	70-125			
Trichloroethene	10.8	0.93	ppmv	9.30		116	70-125			
Trichlorofluoromethane	11.6	0.89	ppmv	8.90		131	65-145			
1,2,3-Trichloropropane	7.89	0.83	ppmv	8.29		95	60-130			
1,2,4-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125			
1,3,5-Trimethylbenzene	12.5	1.0	ppmv	10.2		123	75-125			
Vinyl chloride	19.5	2.0	ppmv	19.6		100	55-135			
m,p-Xylenes	27.7	1.2	ppmv	23.0		120	75-125			
Di-isopropyl Ether (DIPE)	10.7	1.2	ppmv	12.0		89	60-135			
Ethyl tert-Butyl Ether (ETBE)	9.50	1.3	ppmv	12.0		79	65-135			
Methyl-tert-butyl Ether (MTBE)	12.2	1.4	ppmv	13.9		88	60-135			
tert-Amyl Methyl Ether (TAME)	9.29	1.2	ppmv	12.0		78	60-135			
tert-Butanol (TBA)	92.2	17	ppmv	82.5		112	70-135			
Surrogate: 4-Bromofluorobenzene	*6.94*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*5.77*		*ppmv*	*6.37*		*91*	*80-120*			
Surrogate: Toluene-d8	*12.4*		*ppmv*	*12.2*		*102*	*80-120*			

TestAmerica 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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
Duplicate Analyzed: 08/12/2011 (11H1666-DUP1)					**Source: IUH1146-02**					
Benzene	2140	80	ppmv		2070			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	ND	60	ppmv		ND				20	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1666 Extracted: 08/12/11										
Duplicate Analyzed: 08/12/2011 (11H1666-DUP1)					**Source: IUH1146-02**					
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	
1,1,2,2-Tetrachloroethane	ND	36	ppmv		ND				25	
Tetrachloroethene	ND	37	ppmv		ND				20	
Toluene	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	*6.32*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*5.75*		*ppmv*	*6.37*		*90*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUH1146

Sampled: 08/10/11
Received: 08/10/11

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: 11H1514 Extracted: 08/11/11										
Duplicate Analyzed: 08/11/2011 (11H1514-DUP1)					**Source: IUH1089-01**					
Carbon Dioxide	0.430	0.10	% by Volume		0.450			5	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.9	20	% by Volume		77.9			0.06	20	
Oxygen	21.6	5.5	% by Volume		21.7			0.1	20	
Batch: 11H1685 Extracted: 08/12/11										
Duplicate Analyzed: 08/12/2011 (11H1685-DUP1)					**Source: IUH1146-02**					
Carbon Dioxide	1.84	0.10	% by Volume		1.77			4	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	76.8	20	% by Volume		76.9			0.08	20	
Oxygen	21.3	5.5	% by Volume		21.3			0.05	20	

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUH1146	Sampled: 08/10/11 Received: 08/10/11

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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C2 Rem	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 08/10/11
Newport Beach, CA 92660	Report Number:	IUH1146	Received: 08/10/11
Attention: Kent Vollmer			

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_____

Lab Identification (if nec

- [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: Roger Shakely

- [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: 08/10/2011

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	kvollmer@c2rem.com ~~sklemm@c2rem.com~~	97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to): ~~Stefan Klemm~~ Kent Vollmer

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	kvollmer@c2rem.com ~~sklemm@c2rem.com~~

SAMPLER NAME(S) (Print): JR / SA / SM

LAB USE ONLY: IU11146

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

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
	Effluent	8/10/11	11:30	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
	Post Ambient Air Dup	↓	↓	Air	1 Tedlar														X	X

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C° RT

O.D. 8/10/11 17:00

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	08/10/2011	16:10
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: Kent Vollmer

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 09/08/11
Received: 09/08/11
Issued: 10/18/11 14:49

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.

ADDITIONAL INFORMATION: This report was amended to show re-analysis results for sample number IUI0704-04 (Inlet sample). Incorrect dilution for the original analysis is suspected as cause for differences between original and re-analysis results. The re-analysis was done outside of the 3 day hold time for tedlar bag air samples.

LABORATORY ID	CLIENT ID	MATRIX
IUI0704-01	Effluent	Air
IUI0704-02	Carbon 1	Air
IUI0704-03	Post Ambient Air	Air
IUI0704-04	Inlet	Air
IUI0704-05	Post Ambient Air 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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11I0951	1.6	ND	1	9/9/2011	9/9/2011	
Bromobenzene	EPA 8260B MOD	11I0951	0.78	ND	1	9/9/2011	9/9/2011	
Bromochloromethane	EPA 8260B MOD	11I0951	0.94	ND	1	9/9/2011	9/9/2011	
Bromodichloromethane	EPA 8260B MOD	11I0951	0.75	ND	1	9/9/2011	9/9/2011	
Bromoform	EPA 8260B MOD	11I0951	0.48	ND	1	9/9/2011	9/9/2011	
Bromomethane	EPA 8260B MOD	11I0951	1.3	ND	1	9/9/2011	9/9/2011	
n-Butylbenzene	EPA 8260B MOD	11I0951	0.91	ND	1	9/9/2011	9/9/2011	
sec-Butylbenzene	EPA 8260B MOD	11I0951	0.91	ND	1	9/9/2011	9/9/2011	
tert-Butylbenzene	EPA 8260B MOD	11I0951	0.91	ND	1	9/9/2011	9/9/2011	
Carbon tetrachloride	EPA 8260B MOD	11I0951	0.79	ND	1	9/9/2011	9/9/2011	
Chlorobenzene	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
Chloroethane	EPA 8260B MOD	11I0951	1.9	ND	1	9/9/2011	9/9/2011	
Chloroform	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
Chloromethane	EPA 8260B MOD	11I0951	2.4	ND	1	9/9/2011	9/9/2011	
2-Chlorotoluene	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
4-Chlorotoluene	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
Dibromochloromethane	EPA 8260B MOD	11I0951	0.59	ND	1	9/9/2011	9/9/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11I0951	0.65	ND	1	9/9/2011	9/9/2011	
Dibromomethane	EPA 8260B MOD	11I0951	0.70	ND	1	9/9/2011	9/9/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11I0951	0.83	ND	1	9/9/2011	9/9/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11I0951	0.83	ND	1	9/9/2011	9/9/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11I0951	0.83	ND	1	9/9/2011	9/9/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
1,1-Dichloroethane	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
1,2-Dichloroethane	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
1,1-Dichloroethene	EPA 8260B MOD	11I0951	1.3	ND	1	9/9/2011	9/9/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11I0951	1.3	ND	1	9/9/2011	9/9/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11I0951	1.3	ND	1	9/9/2011	9/9/2011	
1,2-Dichloropropane	EPA 8260B MOD	11I0951	1.1	ND	1	9/9/2011	9/9/2011	
1,3-Dichloropropane	EPA 8260B MOD	11I0951	1.1	ND	1	9/9/2011	9/9/2011	
2,2-Dichloropropane	EPA 8260B MOD	11I0951	1.1	ND	1	9/9/2011	9/9/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11I0951	1.1	ND	1	9/9/2011	9/9/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11I0951	1.1	ND	1	9/9/2011	9/9/2011	
1,1-Dichloropropene	EPA 8260B MOD	11I0951	1.1	ND	1	9/9/2011	9/9/2011	
Ethylbenzene	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
Hexachlorobutadiene	EPA 8260B MOD	11I0951	0.47	ND	1	9/9/2011	9/9/2011	
Isopropylbenzene	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
p-Isopropyltoluene	EPA 8260B MOD	11I0951	0.91	ND	1	9/9/2011	9/9/2011	
Methylene chloride	EPA 8260B MOD	11I0951	1.4	ND	1	9/9/2011	9/9/2011	
Naphthalene	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
Styrene	EPA 8260B MOD	11I0951	2.4	ND	1	9/9/2011	9/9/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11I0951	0.73	ND	1	9/9/2011	9/9/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11I0951	0.73	ND	1	9/9/2011	9/9/2011	
Tetrachloroethene	EPA 8260B MOD	11I0951	0.74	ND	1	9/9/2011	9/9/2011	
Toluene	EPA 8260B MOD	11I0951	1.3	ND	1	9/9/2011	9/9/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11I0951	0.67	ND	1	9/9/2011	9/9/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11I0951	0.67	ND	1	9/9/2011	9/9/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11I0951	0.92	ND	1	9/9/2011	9/9/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11I0951	0.92	ND	1	9/9/2011	9/9/2011	
Trichloroethene	EPA 8260B MOD	11I0951	0.93	ND	1	9/9/2011	9/9/2011	
Trichlorofluoromethane	EPA 8260B MOD	11I0951	0.89	ND	1	9/9/2011	9/9/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11I0951	0.83	ND	1	9/9/2011	9/9/2011	C
1,2,4-Trimethylbenzene	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11I0951	1.0	ND	1	9/9/2011	9/9/2011	
Vinyl chloride	EPA 8260B MOD	11I0951	2.0	ND	1	9/9/2011	9/9/2011	
m,p-Xylenes	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
o-Xylene	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11I0951	1.3	ND	1	9/9/2011	9/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11I0951	1.4	ND	1	9/9/2011	9/9/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11I0951	1.2	ND	1	9/9/2011	9/9/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11I0951	17	ND	1	9/9/2011	9/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				

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Patty Mata
Project Manager

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2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11I0951	32	**1500**	20	9/9/2011	9/9/2011	
Bromobenzene	EPA 8260B MOD	11I0951	16	ND	20	9/9/2011	9/9/2011	
Bromochloromethane	EPA 8260B MOD	11I0951	19	ND	20	9/9/2011	9/9/2011	
Bromodichloromethane	EPA 8260B MOD	11I0951	15	ND	20	9/9/2011	9/9/2011	
Bromoform	EPA 8260B MOD	11I0951	9.6	ND	20	9/9/2011	9/9/2011	
Bromomethane	EPA 8260B MOD	11I0951	26	ND	20	9/9/2011	9/9/2011	
n-Butylbenzene	EPA 8260B MOD	11I0951	18	ND	20	9/9/2011	9/9/2011	
sec-Butylbenzene	EPA 8260B MOD	11I0951	18	ND	20	9/9/2011	9/9/2011	
tert-Butylbenzene	EPA 8260B MOD	11I0951	18	ND	20	9/9/2011	9/9/2011	
Carbon tetrachloride	EPA 8260B MOD	11I0951	16	ND	20	9/9/2011	9/9/2011	
Chlorobenzene	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
Chloroethane	EPA 8260B MOD	11I0951	38	ND	20	9/9/2011	9/9/2011	
Chloroform	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
Chloromethane	EPA 8260B MOD	11I0951	48	ND	20	9/9/2011	9/9/2011	
2-Chlorotoluene	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
4-Chlorotoluene	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
Dibromochloromethane	EPA 8260B MOD	11I0951	12	ND	20	9/9/2011	9/9/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11I0951	13	ND	20	9/9/2011	9/9/2011	
Dibromomethane	EPA 8260B MOD	11I0951	14	ND	20	9/9/2011	9/9/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11I0951	17	ND	20	9/9/2011	9/9/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11I0951	17	ND	20	9/9/2011	9/9/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11I0951	17	ND	20	9/9/2011	9/9/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
1,1-Dichloroethane	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
1,2-Dichloroethane	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
1,1-Dichloroethene	EPA 8260B MOD	11I0951	26	ND	20	9/9/2011	9/9/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11I0951	26	ND	20	9/9/2011	9/9/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11I0951	26	ND	20	9/9/2011	9/9/2011	
1,2-Dichloropropane	EPA 8260B MOD	11I0951	22	ND	20	9/9/2011	9/9/2011	
1,3-Dichloropropane	EPA 8260B MOD	11I0951	22	ND	20	9/9/2011	9/9/2011	
2,2-Dichloropropane	EPA 8260B MOD	11I0951	22	ND	20	9/9/2011	9/9/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11I0951	22	ND	20	9/9/2011	9/9/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11I0951	22	ND	20	9/9/2011	9/9/2011	
1,1-Dichloropropene	EPA 8260B MOD	11I0951	22	ND	20	9/9/2011	9/9/2011	
Ethylbenzene	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
Hexachlorobutadiene	EPA 8260B MOD	11I0951	9.4	ND	20	9/9/2011	9/9/2011	
Isopropylbenzene	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
p-Isopropyltoluene	EPA 8260B MOD	11I0951	18	ND	20	9/9/2011	9/9/2011	
Methylene chloride	EPA 8260B MOD	11I0951	28	ND	20	9/9/2011	9/9/2011	
Naphthalene	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	

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2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
Styrene	EPA 8260B MOD	11I0951	48	ND	20	9/9/2011	9/9/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11I0951	15	ND	20	9/9/2011	9/9/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11I0951	15	ND	20	9/9/2011	9/9/2011	
Tetrachloroethene	EPA 8260B MOD	11I0951	15	ND	20	9/9/2011	9/9/2011	
Toluene	EPA 8260B MOD	11I0951	26	ND	20	9/9/2011	9/9/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11I0951	13	ND	20	9/9/2011	9/9/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11I0951	13	ND	20	9/9/2011	9/9/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11I0951	18	ND	20	9/9/2011	9/9/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11I0951	18	ND	20	9/9/2011	9/9/2011	
Trichloroethene	EPA 8260B MOD	11I0951	19	ND	20	9/9/2011	9/9/2011	
Trichlorofluoromethane	EPA 8260B MOD	11I0951	18	ND	20	9/9/2011	9/9/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11I0951	17	ND	20	9/9/2011	9/9/2011	C
1,2,4-Trimethylbenzene	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11I0951	20	ND	20	9/9/2011	9/9/2011	
Vinyl chloride	EPA 8260B MOD	11I0951	40	ND	20	9/9/2011	9/9/2011	
m,p-Xylenes	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
o-Xylene	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11I0951	26	ND	20	9/9/2011	9/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11I0951	28	ND	20	9/9/2011	9/9/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11I0951	24	ND	20	9/9/2011	9/9/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11I0951	340	ND	20	9/9/2011	9/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11I0951	80	**1000**	50	9/9/2011	9/9/2011	
Bromobenzene	EPA 8260B MOD	11I0951	39	ND	50	9/9/2011	9/9/2011	
Bromochloromethane	EPA 8260B MOD	11I0951	47	ND	50	9/9/2011	9/9/2011	
Bromodichloromethane	EPA 8260B MOD	11I0951	38	ND	50	9/9/2011	9/9/2011	
Bromoform	EPA 8260B MOD	11I0951	24	ND	50	9/9/2011	9/9/2011	
Bromomethane	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
n-Butylbenzene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
sec-Butylbenzene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
tert-Butylbenzene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Carbon tetrachloride	EPA 8260B MOD	11I0951	40	ND	50	9/9/2011	9/9/2011	
Chlorobenzene	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Chloroethane	EPA 8260B MOD	11I0951	95	ND	50	9/9/2011	9/9/2011	
Chloroform	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Chloromethane	EPA 8260B MOD	11I0951	120	ND	50	9/9/2011	9/9/2011	
2-Chlorotoluene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
4-Chlorotoluene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Dibromochloromethane	EPA 8260B MOD	11I0951	30	ND	50	9/9/2011	9/9/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11I0951	32	ND	50	9/9/2011	9/9/2011	
Dibromomethane	EPA 8260B MOD	11I0951	35	ND	50	9/9/2011	9/9/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
1,1-Dichloroethane	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
1,2-Dichloroethane	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
1,1-Dichloroethene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
1,2-Dichloropropane	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
1,3-Dichloropropane	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
2,2-Dichloropropane	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
1,1-Dichloropropene	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
Ethylbenzene	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Hexachlorobutadiene	EPA 8260B MOD	11I0951	24	ND	50	9/9/2011	9/9/2011	
Isopropylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
p-Isopropyltoluene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Methylene chloride	EPA 8260B MOD	11I0951	70	ND	50	9/9/2011	9/9/2011	
Naphthalene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Styrene	EPA 8260B MOD	11I0951	120	ND	50	9/9/2011	9/9/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11I0951	36	ND	50	9/9/2011	9/9/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11I0951	36	ND	50	9/9/2011	9/9/2011	
Tetrachloroethene	EPA 8260B MOD	11I0951	37	ND	50	9/9/2011	9/9/2011	
Toluene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11I0951	34	ND	50	9/9/2011	9/9/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11I0951	34	ND	50	9/9/2011	9/9/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Trichloroethene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Trichlorofluoromethane	EPA 8260B MOD	11I0951	44	ND	50	9/9/2011	9/9/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	C
1,2,4-Trimethylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Vinyl chloride	EPA 8260B MOD	11I0951	100	ND	50	9/9/2011	9/9/2011	
m,p-Xylenes	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
o-Xylene	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11I0951	70	ND	50	9/9/2011	9/9/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11I0951	850	ND	50	9/9/2011	9/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-04RE1 (Inlet - Air)								**H**
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11I2597	160	**14000**	100	9/22/2011	9/22/2011	
Bromobenzene	EPA 8260B MOD	11I2597	78	ND	100	9/22/2011	9/22/2011	
Bromochloromethane	EPA 8260B MOD	11I2597	94	ND	100	9/22/2011	9/22/2011	
Bromodichloromethane	EPA 8260B MOD	11I2597	75	ND	100	9/22/2011	9/22/2011	
Bromoform	EPA 8260B MOD	11I2597	48	ND	100	9/22/2011	9/22/2011	
Bromomethane	EPA 8260B MOD	11I2597	130	ND	100	9/22/2011	9/22/2011	
n-Butylbenzene	EPA 8260B MOD	11I2597	91	ND	100	9/22/2011	9/22/2011	
sec-Butylbenzene	EPA 8260B MOD	11I2597	91	ND	100	9/22/2011	9/22/2011	
tert-Butylbenzene	EPA 8260B MOD	11I2597	91	ND	100	9/22/2011	9/22/2011	
Carbon tetrachloride	EPA 8260B MOD	11I2597	79	ND	100	9/22/2011	9/22/2011	
Chlorobenzene	EPA 8260B MOD	11I2597	120	ND	100	9/22/2011	9/22/2011	
Chloroethane	EPA 8260B MOD	11I2597	190	ND	100	9/22/2011	9/22/2011	
Chloroform	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
Chloromethane	EPA 8260B MOD	11I2597	240	ND	100	9/22/2011	9/22/2011	
2-Chlorotoluene	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
4-Chlorotoluene	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
Dibromochloromethane	EPA 8260B MOD	11I2597	59	ND	100	9/22/2011	9/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11I2597	65	ND	100	9/22/2011	9/22/2011	
Dibromomethane	EPA 8260B MOD	11I2597	70	ND	100	9/22/2011	9/22/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11I2597	83	ND	100	9/22/2011	9/22/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11I2597	83	ND	100	9/22/2011	9/22/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11I2597	83	ND	100	9/22/2011	9/22/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
1,1-Dichloroethane	EPA 8260B MOD	11I2597	120	ND	100	9/22/2011	9/22/2011	
1,2-Dichloroethane	EPA 8260B MOD	11I2597	120	ND	100	9/22/2011	9/22/2011	
1,1-Dichloroethene	EPA 8260B MOD	11I2597	130	ND	100	9/22/2011	9/22/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11I2597	130	ND	100	9/22/2011	9/22/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11I2597	130	ND	100	9/22/2011	9/22/2011	
1,2-Dichloropropane	EPA 8260B MOD	11I2597	110	ND	100	9/22/2011	9/22/2011	
1,3-Dichloropropane	EPA 8260B MOD	11I2597	110	ND	100	9/22/2011	9/22/2011	
2,2-Dichloropropane	EPA 8260B MOD	11I2597	110	ND	100	9/22/2011	9/22/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11I2597	110	ND	100	9/22/2011	9/22/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11I2597	110	ND	100	9/22/2011	9/22/2011	
1,1-Dichloropropene	EPA 8260B MOD	11I2597	110	ND	100	9/22/2011	9/22/2011	
Ethylbenzene	EPA 8260B MOD	11I2597	120	**400**	100	9/22/2011	9/22/2011	
Hexachlorobutadiene	EPA 8260B MOD	11I2597	47	ND	100	9/22/2011	9/22/2011	
Isopropylbenzene	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
p-Isopropyltoluene	EPA 8260B MOD	11I2597	91	ND	100	9/22/2011	9/22/2011	
Methylene chloride	EPA 8260B MOD	11I2597	140	ND	100	9/22/2011	9/22/2011	
Naphthalene	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-04RE1 (Inlet - Air) - cont.								**H**
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
Styrene	EPA 8260B MOD	11I2597	240	ND	100	9/22/2011	9/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11I2597	73	ND	100	9/22/2011	9/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11I2597	73	ND	100	9/22/2011	9/22/2011	
Tetrachloroethene	EPA 8260B MOD	11I2597	74	ND	100	9/22/2011	9/22/2011	
Toluene	EPA 8260B MOD	11I2597	130	ND	100	9/22/2011	9/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11I2597	67	ND	100	9/22/2011	9/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11I2597	67	ND	100	9/22/2011	9/22/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11I2597	92	ND	100	9/22/2011	9/22/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11I2597	92	ND	100	9/22/2011	9/22/2011	
Trichloroethene	EPA 8260B MOD	11I2597	93	ND	100	9/22/2011	9/22/2011	
Trichlorofluoromethane	EPA 8260B MOD	11I2597	89	ND	100	9/22/2011	9/22/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11I2597	83	ND	100	9/22/2011	9/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11I2597	100	ND	100	9/22/2011	9/22/2011	
Vinyl chloride	EPA 8260B MOD	11I2597	200	ND	100	9/22/2011	9/22/2011	
m,p-Xylenes	EPA 8260B MOD	11I2597	120	ND	100	9/22/2011	9/22/2011	
o-Xylene	EPA 8260B MOD	11I2597	120	ND	100	9/22/2011	9/22/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11I2597	120	ND	100	9/22/2011	9/22/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11I2597	130	ND	100	9/22/2011	9/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11I2597	140	ND	100	9/22/2011	9/22/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11I2597	120	ND	100	9/22/2011	9/22/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11I2597	1700	ND	100	9/22/2011	9/22/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11I0951	80	**1100**	50	9/9/2011	9/9/2011	
Bromobenzene	EPA 8260B MOD	11I0951	39	ND	50	9/9/2011	9/9/2011	
Bromochloromethane	EPA 8260B MOD	11I0951	47	ND	50	9/9/2011	9/9/2011	
Bromodichloromethane	EPA 8260B MOD	11I0951	38	ND	50	9/9/2011	9/9/2011	
Bromoform	EPA 8260B MOD	11I0951	24	ND	50	9/9/2011	9/9/2011	
Bromomethane	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
n-Butylbenzene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
sec-Butylbenzene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
tert-Butylbenzene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Carbon tetrachloride	EPA 8260B MOD	11I0951	40	ND	50	9/9/2011	9/9/2011	
Chlorobenzene	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Chloroethane	EPA 8260B MOD	11I0951	95	ND	50	9/9/2011	9/9/2011	
Chloroform	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Chloromethane	EPA 8260B MOD	11I0951	120	ND	50	9/9/2011	9/9/2011	
2-Chlorotoluene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
4-Chlorotoluene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Dibromochloromethane	EPA 8260B MOD	11I0951	30	ND	50	9/9/2011	9/9/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11I0951	32	ND	50	9/9/2011	9/9/2011	
Dibromomethane	EPA 8260B MOD	11I0951	35	ND	50	9/9/2011	9/9/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
1,1-Dichloroethane	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
1,2-Dichloroethane	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
1,1-Dichloroethene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
1,2-Dichloropropane	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
1,3-Dichloropropane	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
2,2-Dichloropropane	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
1,1-Dichloropropene	EPA 8260B MOD	11I0951	55	ND	50	9/9/2011	9/9/2011	
Ethylbenzene	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Hexachlorobutadiene	EPA 8260B MOD	11I0951	24	ND	50	9/9/2011	9/9/2011	
Isopropylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
p-Isopropyltoluene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Methylene chloride	EPA 8260B MOD	11I0951	70	ND	50	9/9/2011	9/9/2011	
Naphthalene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Styrene	EPA 8260B MOD	11I0951	120	ND	50	9/9/2011	9/9/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11I0951	36	ND	50	9/9/2011	9/9/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11I0951	36	ND	50	9/9/2011	9/9/2011	
Tetrachloroethene	EPA 8260B MOD	11I0951	37	ND	50	9/9/2011	9/9/2011	
Toluene	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11I0951	34	ND	50	9/9/2011	9/9/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11I0951	34	ND	50	9/9/2011	9/9/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Trichloroethene	EPA 8260B MOD	11I0951	46	ND	50	9/9/2011	9/9/2011	
Trichlorofluoromethane	EPA 8260B MOD	11I0951	44	ND	50	9/9/2011	9/9/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11I0951	42	ND	50	9/9/2011	9/9/2011	C
1,2,4-Trimethylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11I0951	50	ND	50	9/9/2011	9/9/2011	
Vinyl chloride	EPA 8260B MOD	11I0951	100	ND	50	9/9/2011	9/9/2011	
m,p-Xylenes	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
o-Xylene	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11I0951	65	ND	50	9/9/2011	9/9/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11I0951	70	ND	50	9/9/2011	9/9/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11I0951	60	ND	50	9/9/2011	9/9/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11I0951	850	ND	50	9/9/2011	9/9/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: IUI0704-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11I0966	0.10	**2.6**	1	9/9/2011	9/9/2011	
Carbon Monoxide	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Methane	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Nitrogen	ASTM D1946-90	11I0966	20	**76**	1	9/9/2011	9/9/2011	
Oxygen	ASTM D1946-90	11I0966	5.5	**21**	1	9/9/2011	9/9/2011	
Sample ID: IUI0704-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11I0966	0.10	**2.5**	1	9/9/2011	9/9/2011	
Carbon Monoxide	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Methane	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Nitrogen	ASTM D1946-90	11I0966	20	**76**	1	9/9/2011	9/9/2011	
Oxygen	ASTM D1946-90	11I0966	5.5	**21**	1	9/9/2011	9/9/2011	
Sample ID: IUI0704-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11I0966	0.10	**2.4**	1	9/9/2011	9/9/2011	
Carbon Monoxide	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Methane	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Nitrogen	ASTM D1946-90	11I0966	20	**77**	1	9/9/2011	9/9/2011	
Oxygen	ASTM D1946-90	11I0966	5.5	**21**	1	9/9/2011	9/9/2011	
Sample ID: IUI0704-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11I0966	0.10	**18**	1	9/9/2011	9/9/2011	
Carbon Monoxide	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Methane	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Nitrogen	ASTM D1946-90	11I0966	20	**71**	1	9/9/2011	9/9/2011	
Oxygen	ASTM D1946-90	11I0966	5.5	**11**	1	9/9/2011	9/9/2011	
Sample ID: IUI0704-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11I0966	0.10	**2.4**	1	9/9/2011	9/9/2011	
Carbon Monoxide	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Methane	ASTM D1946-90	11I0966	0.10	ND	1	9/9/2011	9/9/2011	
Nitrogen	ASTM D1946-90	11I0966	20	**77**	1	9/9/2011	9/9/2011	
Oxygen	ASTM D1946-90	11I0966	5.5	**21**	1	9/9/2011	9/9/2011	

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Project ID: 97-101, Shell
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Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUI0704-01) - Air					
ASTM D1946-90	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 12:44	09/09/2011 12:44
EPA 8260B MOD	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 08:43	09/09/2011 12:21
Sample ID: Carbon 1 (IUI0704-02) - Air					
ASTM D1946-90	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 13:06	09/09/2011 13:06
EPA 8260B MOD	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 09:19	09/09/2011 11:52
Sample ID: Post Ambient Air (IUI0704-03) - Air					
ASTM D1946-90	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 13:29	09/09/2011 13:29
EPA 8260B MOD	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 09:29	09/09/2011 10:23
Sample ID: Inlet (IUI0704-04) - Air					
ASTM D1946-90	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 13:50	09/09/2011 13:50
Sample ID: Inlet (IUI0704-04RE1) - Air					
EPA 8260B MOD	3	09/08/2011 11:30	09/08/2011 14:24	09/22/2011 10:51	09/22/2011 14:01
Sample ID: Post Ambient Air Dup (IUI0704-05) - Air					
ASTM D1946-90	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 14:13	09/09/2011 14:13
EPA 8260B MOD	3	09/08/2011 11:30	09/08/2011 14:24	09/09/2011 09:34	09/09/2011 10:53

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Project Manager

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I0951 Extracted: 09/09/11										
Blank Analyzed: 09/09/2011 (11I0951-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: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I0951 Extracted: 09/09/11										
Blank Analyzed: 09/09/2011 (11I0951-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	*7.12*		*ppmv*	*6.99*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*6.45*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*13.2*		*ppmv*	*12.2*		*108*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I0951 Extracted: 09/09/11										
LCS Analyzed: 09/09/2011 (11I0951-BS1)										
Benzene	15.8	1.6	ppmv	15.7		101	70-120			
Bromobenzene	8.27	0.78	ppmv	7.79		106	75-120			
Bromochloromethane	9.94	0.94	ppmv	9.45		105	70-130			
Bromodichloromethane	8.62	0.75	ppmv	7.46		116	70-135			
Bromoform	5.46	0.48	ppmv	4.84		113	55-130			
Bromomethane	13.5	1.3	ppmv	12.9		105	65-140			
n-Butylbenzene	10.5	0.91	ppmv	9.11		116	70-130			
sec-Butylbenzene	9.85	0.91	ppmv	9.11		108	70-125			
tert-Butylbenzene	10.0	0.91	ppmv	9.11		110	70-125			
Carbon tetrachloride	9.64	0.79	ppmv	7.95		121	65-140			
Chlorobenzene	11.6	1.2	ppmv	10.9		107	75-120			
Chloroethane	20.3	1.9	ppmv	18.9		107	60-140			
Chloroform	10.4	1.0	ppmv	10.2		102	70-130			
Chloromethane	24.1	2.4	ppmv	24.2		100	50-140			
2-Chlorotoluene	10.5	1.0	ppmv	9.66		109	70-125			
4-Chlorotoluene	10.8	1.0	ppmv	9.66		112	75-125			
1,2-Dibromo-3-chloropropane	5.33	1.0	ppmv	5.17		103	50-135			
Dibromochloromethane	6.18	0.59	ppmv	5.87		105	70-140			
1,2-Dibromoethane (EDB)	6.99	0.65	ppmv	6.51		107	75-125			
Dibromomethane	7.60	0.70	ppmv	7.03		108	70-125			
1,2-Dichlorobenzene	8.78	0.83	ppmv	8.32		106	75-120			
1,3-Dichlorobenzene	9.13	0.83	ppmv	8.32		110	75-120			
1,4-Dichlorobenzene	8.98	0.83	ppmv	8.32		108	75-120			
Dichlorodifluoromethane	9.41	1.0	ppmv	10.1		93	35-155			
1,1-Dichloroethane	12.7	1.2	ppmv	12.4		103	70-125			
1,2-Dichloroethane	13.7	1.2	ppmv	12.4		111	60-140			
1,1-Dichloroethene	13.1	1.3	ppmv	12.6		104	70-125			
cis-1,2-Dichloroethene	13.3	1.3	ppmv	12.6		106	70-125			
trans-1,2-Dichloroethene	13.1	1.3	ppmv	12.6		104	70-125			
1,2-Dichloropropane	11.3	1.1	ppmv	10.8		104	70-125			
1,3-Dichloropropane	11.5	1.1	ppmv	10.8		106	70-120			
2,2-Dichloropropane	12.5	1.1	ppmv	10.8		116	65-140			
cis-1,3-Dichloropropene	12.5	1.1	ppmv	11.0		113	75-125			
trans-1,3-Dichloropropene	13.5	1.1	ppmv	11.0		123	70-125			
1,1-Dichloropropene	12.2	1.1	ppmv	11.0		111	75-130			
Ethylbenzene	12.9	1.2	ppmv	11.5		112	75-125			

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I0951 Extracted: 09/09/11										
LCS Analyzed: 09/09/2011 (11I0951-BS1)										
Hexachlorobutadiene	5.31	0.47	ppmv	4.69		113	65-135			
Isopropylbenzene	11.0	1.0	ppmv	10.2		108	75-130			
p-Isopropyltoluene	9.82	0.91	ppmv	9.11		108	75-125			
Methylene chloride	13.6	1.4	ppmv	14.4		95	55-130			
Naphthalene	11.4	1.0	ppmv	9.54		120	55-135			
n-Propylbenzene	11.2	1.0	ppmv	10.2		110	75-130			
Styrene	13.3	2.4	ppmv	11.7		113	75-130			
1,1,1,2-Tetrachloroethane	8.24	0.73	ppmv	7.28		113	70-130			
1,1,2,2-Tetrachloroethane	7.69	0.73	ppmv	7.28		106	55-130			
Tetrachloroethene	7.95	0.74	ppmv	7.37		108	70-125			
Toluene	14.3	1.3	ppmv	13.3		108	70-120			
1,2,3-Trichlorobenzene	7.62	0.67	ppmv	6.74		113	65-125			
1,2,4-Trichlorobenzene	7.89	0.67	ppmv	6.74		117	70-135			
1,1,1-Trichloroethane	10.0	0.92	ppmv	9.16		109	65-135			
1,1,2-Trichloroethane	9.78	0.92	ppmv	9.16		107	70-125			
Trichloroethene	9.84	0.93	ppmv	9.30		106	70-125			
Trichlorofluoromethane	10.9	0.89	ppmv	8.90		123	65-145			
1,2,3-Trichloropropane	8.52	0.83	ppmv	8.29		103	60-130			
1,2,4-Trimethylbenzene	11.7	1.0	ppmv	10.2		115	75-125			
1,3,5-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125			
Vinyl chloride	19.2	2.0	ppmv	19.6		98	55-135			
m,p-Xylenes	26.4	1.2	ppmv	23.0		115	75-125			
Di-isopropyl Ether (DIPE)	13.0	1.2	ppmv	12.0		109	60-135			
Ethyl tert-Butyl Ether (ETBE)	13.3	1.3	ppmv	12.0		111	65-135			
Methyl-tert-butyl Ether (MTBE)	14.6	1.4	ppmv	13.9		106	60-135			
tert-Amyl Methyl Ether (TAME)	13.6	1.2	ppmv	12.0		114	60-135			
tert-Butanol (TBA)	85.2	17	ppmv	82.5		103	70-135			
Surrogate: 4-Bromofluorobenzene	*7.41*		*ppmv*	*6.99*		*106*	*80-120*			
Surrogate: Dibromofluoromethane	*6.78*		*ppmv*	*6.37*		*106*	*80-120*			
Surrogate: Toluene-d8	*13.2*		*ppmv*	*12.2*		*108*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I0951 Extracted: 09/09/11										
Duplicate Analyzed: 09/09/2011 (11I0951-DUP1)					**Source: IUI0776-04**					
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	1.07	1.3	ppmv		0.918			15	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: IUI0704

Sampled: 09/08/11
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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: 11I0951 Extracted: 09/09/11										
Duplicate Analyzed: 09/09/2011 (11I0951-DUP1)					**Source: IUI0776-04**					
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	
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	*7.08*		*ppmv*	*6.99*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*6.45*		*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*13.3*		*ppmv*	*12.2*		*109*	*80-120*			

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I2597 Extracted: 09/22/11										
Blank Analyzed: 09/22/2011 (11I2597-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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I2597 Extracted: 09/22/11										
Blank Analyzed: 09/22/2011 (11I2597-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	*6.92*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*6.43*		*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
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I2597 Extracted: 09/22/11										
LCS Analyzed: 09/22/2011 (11I2597-BS1)										
Benzene	16.1	1.6	ppmv	15.7		103	70-120			
Bromobenzene	8.22	0.78	ppmv	7.79		106	75-120			
Bromochloromethane	9.49	0.94	ppmv	9.45		100	70-130			
Bromodichloromethane	7.77	0.75	ppmv	7.46		104	70-135			
Bromoform	4.34	0.48	ppmv	4.84		90	55-130			
Bromomethane	13.0	1.3	ppmv	12.9		101	65-140			
n-Butylbenzene	10.4	0.91	ppmv	9.11		115	70-130			
sec-Butylbenzene	10.5	0.91	ppmv	9.11		115	70-125			
tert-Butylbenzene	10.3	0.91	ppmv	9.11		113	70-125			
Carbon tetrachloride	8.33	0.79	ppmv	7.95		105	65-140			
Chlorobenzene	11.1	1.2	ppmv	10.9		102	75-120			
Chloroethane	18.8	1.9	ppmv	18.9		99	60-140			
Chloroform	10.0	1.0	ppmv	10.2		98	70-130			
Chloromethane	22.8	2.4	ppmv	24.2		94	50-140			
2-Chlorotoluene	10.6	1.0	ppmv	9.66		110	70-125			
4-Chlorotoluene	10.8	1.0	ppmv	9.66		112	75-125			
1,2-Dibromo-3-chloropropane	5.35	1.0	ppmv	5.17		104	50-135			
Dibromochloromethane	6.16	0.59	ppmv	5.87		105	70-140			
1,2-Dibromoethane (EDB)	7.04	0.65	ppmv	6.51		108	75-125			
Dibromomethane	7.28	0.70	ppmv	7.03		103	70-125			
1,2-Dichlorobenzene	8.75	0.83	ppmv	8.32		105	75-120			
1,3-Dichlorobenzene	9.00	0.83	ppmv	8.32		108	75-120			
1,4-Dichlorobenzene	8.63	0.83	ppmv	8.32		104	75-120			
Dichlorodifluoromethane	8.16	1.0	ppmv	10.1		81	35-155			
1,1-Dichloroethane	13.1	1.2	ppmv	12.4		106	70-125			
1,2-Dichloroethane	12.3	1.2	ppmv	12.4		100	60-140			
1,1-Dichloroethene	13.1	1.3	ppmv	12.6		104	70-125			
cis-1,2-Dichloroethene	14.0	1.3	ppmv	12.6		111	70-125			
trans-1,2-Dichloroethene	13.4	1.3	ppmv	12.6		106	70-125			
1,2-Dichloropropane	11.6	1.1	ppmv	10.8		107	70-125			
1,3-Dichloropropane	11.4	1.1	ppmv	10.8		105	70-120			
2,2-Dichloropropane	12.0	1.1	ppmv	10.8		111	65-140			
cis-1,3-Dichloropropene	11.9	1.1	ppmv	11.0		108	75-125			
trans-1,3-Dichloropropene	12.6	1.1	ppmv	11.0		114	70-125			
1,1-Dichloropropene	11.8	1.1	ppmv	11.0		107	75-130			
Ethylbenzene	12.9	1.2	ppmv	11.5		112	75-125			

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Project Manager

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2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I2597 Extracted: 09/22/11										
LCS Analyzed: 09/22/2011 (11I2597-BS1)										
Hexachlorobutadiene	5.08	0.47	ppmv	4.69		108	65-135			
Isopropylbenzene	11.9	1.0	ppmv	10.2		117	75-130			
p-Isopropyltoluene	10.1	0.91	ppmv	9.11		110	75-125			
Methylene chloride	14.4	1.4	ppmv	14.4		100	55-130			
Naphthalene	10.8	1.0	ppmv	9.54		113	55-135			
n-Propylbenzene	11.6	1.0	ppmv	10.2		114	75-130			
Styrene	13.3	2.4	ppmv	11.7		113	75-130			
1,1,1,2-Tetrachloroethane	7.62	0.73	ppmv	7.28		105	70-130			
1,1,2,2-Tetrachloroethane	8.23	0.73	ppmv	7.28		113	55-130			
Tetrachloroethene	7.54	0.74	ppmv	7.37		102	70-125			
Toluene	14.5	1.3	ppmv	13.3		109	70-120			
1,2,3-Trichlorobenzene	7.16	0.67	ppmv	6.74		106	65-125			
1,2,4-Trichlorobenzene	7.31	0.67	ppmv	6.74		108	70-135			
1,1,1-Trichloroethane	9.43	0.92	ppmv	9.16		103	65-135			
1,1,2-Trichloroethane	9.83	0.92	ppmv	9.16		107	70-125			
Trichloroethene	9.40	0.93	ppmv	9.30		101	70-125			
Trichlorofluoromethane	10.1	0.89	ppmv	8.90		113	65-145			
1,2,3-Trichloropropane	9.05	0.83	ppmv	8.29		109	60-130			
1,2,4-Trimethylbenzene	11.6	1.0	ppmv	10.2		114	75-125			
1,3,5-Trimethylbenzene	11.4	1.0	ppmv	10.2		112	75-125			
Vinyl chloride	18.2	2.0	ppmv	19.6		93	55-135			
m,p-Xylenes	25.6	1.2	ppmv	23.0		111	75-125			
Di-isopropyl Ether (DIPE)	12.6	1.2	ppmv	12.0		106	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.1	1.3	ppmv	12.0		101	65-135			
Methyl-tert-butyl Ether (MTBE)	13.6	1.4	ppmv	13.9		98	60-135			
tert-Amyl Methyl Ether (TAME)	12.4	1.2	ppmv	12.0		104	60-135			
tert-Butanol (TBA)	89.8	17	ppmv	82.5		109	70-135			
Surrogate: 4-Bromofluorobenzene	*7.02*		*ppmv*	*6.99*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*6.60*		*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I2597 Extracted: 09/22/11										
Duplicate Analyzed: 09/22/2011 (11I2597-DUP1)					**Source: IUI1988-01**					
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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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUI0704

Sampled: 09/08/11
Received: 09/08/11

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: 11I2597 Extracted: 09/22/11										
Duplicate Analyzed: 09/22/2011 (11I2597-DUP1)					**Source: IUI1988-01**					
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	
Toluene	0.234	1.3	ppmv		0.239			2	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	0.773	1.0	ppmv		0.806			4	20	
1,3,5-Trimethylbenzene	0.427	1.0	ppmv		0.427			0	20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	1.23	1.2	ppmv		1.20			3	20	
o-Xylene	0.484	1.2	ppmv		0.465			4	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	*6.85*		*ppmv*	*6.99*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*6.28*		*ppmv*	*6.37*		*99*	*80-120*			
Surrogate: Toluene-d8	*12.7*		*ppmv*	*12.2*		*104*	*80-120*			

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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: 09/08/11
Newport Beach, CA 92660	Report Number:	IUI0704	Received: 09/08/11
Attention: Kent Vollmer			

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: 11I0966 Extracted: 09/09/11										
Duplicate Analyzed: 09/09/2011 (11I0966-DUP1)					**Source: IUI0733-01**					
Carbon Dioxide	0.170	0.10	% by Volume		0.170			0	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	77.4	20	% by Volume		77.4			0.01	20	
Oxygen	22.4	5.5	% by Volume		22.4			0.04	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: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUI0704	Sampled: 09/08/11 Received: 09/08/11

DATA QUALIFIERS AND DEFINITIONS

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
H	Sample analysis performed past method-specified holding time.
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

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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: Kent Vollmer	Project ID:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA	Sampled: 09/08/11 Received: 09/08/11
	Report Number:	IUI0704	

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, Tennesee
- [ ] STL
- [ ] Other (location)_____

Shell Project Manager to be invoiced: Roger Shakely

- [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

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INCIDENT NUMBER (ES ONLY)

SAP or CRMT NUMBER (TS/CRMT)

DATE: 09/08/2011

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		97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to):

TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):	LAB USE ONLY
(949) 261-8098	(949) 261-8097		SA/SM	IUI0704

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

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: Container/Preservative or PID Readings or Laboratory Notes
	Effluent	9/8/11	11:30	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						
	Post Ambient Air Dup	↓	↓	Air	1 Tedlar														X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	9/8/11	14:24
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

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: Kent Vollmer

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 10/06/11
Received: 10/06/11
Issued: 10/18/11 14:14

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
IUJ0694-01	Effluent	Air
IUJ0694-02	Carbon 1	Air
IUJ0694-03	Post Ambient Air	Air
IUJ0694-04	Inlet	Air
IUJ0694-05	Post Ambient Air 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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11J0800	1.6	ND	1	10/7/2011	10/7/2011	
Bromobenzene	EPA 8260B MOD	11J0800	0.78	ND	1	10/7/2011	10/7/2011	
Bromochloromethane	EPA 8260B MOD	11J0800	0.94	ND	1	10/7/2011	10/7/2011	
Bromodichloromethane	EPA 8260B MOD	11J0800	0.75	ND	1	10/7/2011	10/7/2011	
Bromoform	EPA 8260B MOD	11J0800	0.48	ND	1	10/7/2011	10/7/2011	
Bromomethane	EPA 8260B MOD	11J0800	1.3	ND	1	10/7/2011	10/7/2011	
n-Butylbenzene	EPA 8260B MOD	11J0800	0.91	ND	1	10/7/2011	10/7/2011	
sec-Butylbenzene	EPA 8260B MOD	11J0800	0.91	ND	1	10/7/2011	10/7/2011	
tert-Butylbenzene	EPA 8260B MOD	11J0800	0.91	ND	1	10/7/2011	10/7/2011	
Carbon tetrachloride	EPA 8260B MOD	11J0800	0.79	ND	1	10/7/2011	10/7/2011	
Chlorobenzene	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
Chloroethane	EPA 8260B MOD	11J0800	1.9	ND	1	10/7/2011	10/7/2011	
Chloroform	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
Chloromethane	EPA 8260B MOD	11J0800	2.4	ND	1	10/7/2011	10/7/2011	
2-Chlorotoluene	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
4-Chlorotoluene	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
Dibromochloromethane	EPA 8260B MOD	11J0800	0.59	ND	1	10/7/2011	10/7/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11J0800	0.65	ND	1	10/7/2011	10/7/2011	
Dibromomethane	EPA 8260B MOD	11J0800	0.70	ND	1	10/7/2011	10/7/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11J0800	0.83	ND	1	10/7/2011	10/7/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11J0800	0.83	ND	1	10/7/2011	10/7/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11J0800	0.83	ND	1	10/7/2011	10/7/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
1,1-Dichloroethane	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
1,2-Dichloroethane	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
1,1-Dichloroethene	EPA 8260B MOD	11J0800	1.3	ND	1	10/7/2011	10/7/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11J0800	1.3	ND	1	10/7/2011	10/7/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11J0800	1.3	ND	1	10/7/2011	10/7/2011	
1,2-Dichloropropane	EPA 8260B MOD	11J0800	1.1	ND	1	10/7/2011	10/7/2011	
1,3-Dichloropropane	EPA 8260B MOD	11J0800	1.1	ND	1	10/7/2011	10/7/2011	
2,2-Dichloropropane	EPA 8260B MOD	11J0800	1.1	ND	1	10/7/2011	10/7/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11J0800	1.1	ND	1	10/7/2011	10/7/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11J0800	1.1	ND	1	10/7/2011	10/7/2011	
1,1-Dichloropropene	EPA 8260B MOD	11J0800	1.1	ND	1	10/7/2011	10/7/2011	
Ethylbenzene	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
Hexachlorobutadiene	EPA 8260B MOD	11J0800	0.47	ND	1	10/7/2011	10/7/2011	
Isopropylbenzene	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
p-Isopropyltoluene	EPA 8260B MOD	11J0800	0.91	ND	1	10/7/2011	10/7/2011	
Methylene chloride	EPA 8260B MOD	11J0800	1.4	ND	1	10/7/2011	10/7/2011	
Naphthalene	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
Styrene	EPA 8260B MOD	11J0800	2.4	ND	1	10/7/2011	10/7/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11J0800	0.73	ND	1	10/7/2011	10/7/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11J0800	0.73	ND	1	10/7/2011	10/7/2011	
Tetrachloroethene	EPA 8260B MOD	11J0800	0.74	ND	1	10/7/2011	10/7/2011	
Toluene	EPA 8260B MOD	11J0800	1.3	ND	1	10/7/2011	10/7/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11J0800	0.67	ND	1	10/7/2011	10/7/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11J0800	0.67	ND	1	10/7/2011	10/7/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11J0800	0.92	ND	1	10/7/2011	10/7/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11J0800	0.92	ND	1	10/7/2011	10/7/2011	
Trichloroethene	EPA 8260B MOD	11J0800	0.93	ND	1	10/7/2011	10/7/2011	
Trichlorofluoromethane	EPA 8260B MOD	11J0800	0.89	ND	1	10/7/2011	10/7/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11J0800	0.83	ND	1	10/7/2011	10/7/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11J0800	1.0	ND	1	10/7/2011	10/7/2011	
Vinyl chloride	EPA 8260B MOD	11J0800	2.0	ND	1	10/7/2011	10/7/2011	
m,p-Xylenes	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
o-Xylene	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11J0800	1.3	ND	1	10/7/2011	10/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11J0800	1.4	ND	1	10/7/2011	10/7/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11J0800	1.2	ND	1	10/7/2011	10/7/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11J0800	17	ND	1	10/7/2011	10/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*113 %*				
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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11J0780	1.6	ND	1	10/7/2011	10/8/2011	
Bromobenzene	EPA 8260B MOD	11J0780	0.78	ND	1	10/7/2011	10/8/2011	
Bromochloromethane	EPA 8260B MOD	11J0780	0.94	ND	1	10/7/2011	10/8/2011	
Bromodichloromethane	EPA 8260B MOD	11J0780	0.75	ND	1	10/7/2011	10/8/2011	
Bromoform	EPA 8260B MOD	11J0780	0.48	ND	1	10/7/2011	10/8/2011	
Bromomethane	EPA 8260B MOD	11J0780	1.3	ND	1	10/7/2011	10/8/2011	
n-Butylbenzene	EPA 8260B MOD	11J0780	0.91	ND	1	10/7/2011	10/8/2011	
sec-Butylbenzene	EPA 8260B MOD	11J0780	0.91	ND	1	10/7/2011	10/8/2011	
tert-Butylbenzene	EPA 8260B MOD	11J0780	0.91	ND	1	10/7/2011	10/8/2011	
Carbon tetrachloride	EPA 8260B MOD	11J0780	0.79	ND	1	10/7/2011	10/8/2011	
Chlorobenzene	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
Chloroethane	EPA 8260B MOD	11J0780	1.9	ND	1	10/7/2011	10/8/2011	
Chloroform	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
Chloromethane	EPA 8260B MOD	11J0780	2.4	ND	1	10/7/2011	10/8/2011	
2-Chlorotoluene	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
4-Chlorotoluene	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
Dibromochloromethane	EPA 8260B MOD	11J0780	0.59	ND	1	10/7/2011	10/8/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11J0780	0.65	ND	1	10/7/2011	10/8/2011	
Dibromomethane	EPA 8260B MOD	11J0780	0.70	ND	1	10/7/2011	10/8/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11J0780	0.83	ND	1	10/7/2011	10/8/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11J0780	0.83	ND	1	10/7/2011	10/8/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11J0780	0.83	ND	1	10/7/2011	10/8/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
1,1-Dichloroethane	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
1,2-Dichloroethane	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
1,1-Dichloroethene	EPA 8260B MOD	11J0780	1.3	ND	1	10/7/2011	10/8/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11J0780	1.3	ND	1	10/7/2011	10/8/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11J0780	1.3	ND	1	10/7/2011	10/8/2011	
1,2-Dichloropropane	EPA 8260B MOD	11J0780	1.1	ND	1	10/7/2011	10/8/2011	
1,3-Dichloropropane	EPA 8260B MOD	11J0780	1.1	ND	1	10/7/2011	10/8/2011	
2,2-Dichloropropane	EPA 8260B MOD	11J0780	1.1	ND	1	10/7/2011	10/8/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11J0780	1.1	ND	1	10/7/2011	10/8/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11J0780	1.1	ND	1	10/7/2011	10/8/2011	
1,1-Dichloropropene	EPA 8260B MOD	11J0780	1.1	ND	1	10/7/2011	10/8/2011	
Ethylbenzene	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
Hexachlorobutadiene	EPA 8260B MOD	11J0780	0.47	ND	1	10/7/2011	10/8/2011	
Isopropylbenzene	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
p-Isopropyltoluene	EPA 8260B MOD	11J0780	0.91	ND	1	10/7/2011	10/8/2011	
Methylene chloride	EPA 8260B MOD	11J0780	1.4	ND	1	10/7/2011	10/8/2011	
Naphthalene	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
Styrene	EPA 8260B MOD	11J0780	2.4	ND	1	10/7/2011	10/8/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11J0780	0.73	ND	1	10/7/2011	10/8/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11J0780	0.73	ND	1	10/7/2011	10/8/2011	
Tetrachloroethene	EPA 8260B MOD	11J0780	0.74	ND	1	10/7/2011	10/8/2011	
Toluene	EPA 8260B MOD	11J0780	1.3	ND	1	10/7/2011	10/8/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11J0780	0.67	ND	1	10/7/2011	10/8/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11J0780	0.67	ND	1	10/7/2011	10/8/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11J0780	0.92	ND	1	10/7/2011	10/8/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11J0780	0.92	ND	1	10/7/2011	10/8/2011	
Trichloroethene	EPA 8260B MOD	11J0780	0.93	ND	1	10/7/2011	10/8/2011	
Trichlorofluoromethane	EPA 8260B MOD	11J0780	0.89	ND	1	10/7/2011	10/8/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11J0780	0.83	ND	1	10/7/2011	10/8/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11J0780	1.0	ND	1	10/7/2011	10/8/2011	
Vinyl chloride	EPA 8260B MOD	11J0780	2.0	ND	1	10/7/2011	10/8/2011	
m,p-Xylenes	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
o-Xylene	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11J0780	1.3	ND	1	10/7/2011	10/8/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11J0780	1.4	ND	1	10/7/2011	10/8/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11J0780	1.2	ND	1	10/7/2011	10/8/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11J0780	17	ND	1	10/7/2011	10/8/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*93 %*				

TestAmerica Irvine

Patty Mata
Project Manager

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11J0800	32	**1700**	20	10/7/2011	10/7/2011	
Bromobenzene	EPA 8260B MOD	11J0800	16	ND	20	10/7/2011	10/7/2011	
Bromochloromethane	EPA 8260B MOD	11J0800	19	ND	20	10/7/2011	10/7/2011	
Bromodichloromethane	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
Bromoform	EPA 8260B MOD	11J0800	9.6	ND	20	10/7/2011	10/7/2011	
Bromomethane	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
n-Butylbenzene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
sec-Butylbenzene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
tert-Butylbenzene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
Carbon tetrachloride	EPA 8260B MOD	11J0800	16	ND	20	10/7/2011	10/7/2011	
Chlorobenzene	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
Chloroethane	EPA 8260B MOD	11J0800	38	ND	20	10/7/2011	10/7/2011	
Chloroform	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Chloromethane	EPA 8260B MOD	11J0800	48	ND	20	10/7/2011	10/7/2011	
2-Chlorotoluene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
4-Chlorotoluene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Dibromochloromethane	EPA 8260B MOD	11J0800	12	ND	20	10/7/2011	10/7/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11J0800	13	ND	20	10/7/2011	10/7/2011	
Dibromomethane	EPA 8260B MOD	11J0800	14	ND	20	10/7/2011	10/7/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
1,1-Dichloroethane	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
1,2-Dichloroethane	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
1,1-Dichloroethene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
1,2-Dichloropropane	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
1,3-Dichloropropane	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
2,2-Dichloropropane	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
1,1-Dichloropropene	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
Ethylbenzene	EPA 8260B MOD	11J0800	24	**88**	20	10/7/2011	10/7/2011	
Hexachlorobutadiene	EPA 8260B MOD	11J0800	9.4	ND	20	10/7/2011	10/7/2011	
Isopropylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
p-Isopropyltoluene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
Methylene chloride	EPA 8260B MOD	11J0800	28	ND	20	10/7/2011	10/7/2011	
Naphthalene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Styrene	EPA 8260B MOD	11J0800	48	ND	20	10/7/2011	10/7/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
Tetrachloroethene	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
Toluene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11J0800	13	ND	20	10/7/2011	10/7/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11J0800	13	ND	20	10/7/2011	10/7/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
Trichloroethene	EPA 8260B MOD	11J0800	19	ND	20	10/7/2011	10/7/2011	
Trichlorofluoromethane	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Vinyl chloride	EPA 8260B MOD	11J0800	40	ND	20	10/7/2011	10/7/2011	
m,p-Xylenes	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
o-Xylene	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11J0800	28	ND	20	10/7/2011	10/7/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11J0800	340	ND	20	10/7/2011	10/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*113 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11J0800	320	**18000**	200	10/7/2011	10/7/2011	
Bromobenzene	EPA 8260B MOD	11J0800	160	ND	200	10/7/2011	10/7/2011	
Bromochloromethane	EPA 8260B MOD	11J0800	190	ND	200	10/7/2011	10/7/2011	
Bromodichloromethane	EPA 8260B MOD	11J0800	150	ND	200	10/7/2011	10/7/2011	
Bromoform	EPA 8260B MOD	11J0800	96	ND	200	10/7/2011	10/7/2011	
Bromomethane	EPA 8260B MOD	11J0800	260	ND	200	10/7/2011	10/7/2011	
n-Butylbenzene	EPA 8260B MOD	11J0800	180	ND	200	10/7/2011	10/7/2011	
sec-Butylbenzene	EPA 8260B MOD	11J0800	180	ND	200	10/7/2011	10/7/2011	
tert-Butylbenzene	EPA 8260B MOD	11J0800	180	ND	200	10/7/2011	10/7/2011	
Carbon tetrachloride	EPA 8260B MOD	11J0800	160	ND	200	10/7/2011	10/7/2011	
Chlorobenzene	EPA 8260B MOD	11J0800	240	ND	200	10/7/2011	10/7/2011	
Chloroethane	EPA 8260B MOD	11J0800	380	ND	200	10/7/2011	10/7/2011	
Chloroform	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
Chloromethane	EPA 8260B MOD	11J0800	480	ND	200	10/7/2011	10/7/2011	
2-Chlorotoluene	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
4-Chlorotoluene	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
Dibromochloromethane	EPA 8260B MOD	11J0800	120	ND	200	10/7/2011	10/7/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11J0800	130	ND	200	10/7/2011	10/7/2011	
Dibromomethane	EPA 8260B MOD	11J0800	140	ND	200	10/7/2011	10/7/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11J0800	170	ND	200	10/7/2011	10/7/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11J0800	170	ND	200	10/7/2011	10/7/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11J0800	170	ND	200	10/7/2011	10/7/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
1,1-Dichloroethane	EPA 8260B MOD	11J0800	240	ND	200	10/7/2011	10/7/2011	
1,2-Dichloroethane	EPA 8260B MOD	11J0800	240	ND	200	10/7/2011	10/7/2011	
1,1-Dichloroethene	EPA 8260B MOD	11J0800	260	ND	200	10/7/2011	10/7/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11J0800	260	ND	200	10/7/2011	10/7/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11J0800	260	ND	200	10/7/2011	10/7/2011	
1,2-Dichloropropane	EPA 8260B MOD	11J0800	220	ND	200	10/7/2011	10/7/2011	
1,3-Dichloropropane	EPA 8260B MOD	11J0800	220	ND	200	10/7/2011	10/7/2011	
2,2-Dichloropropane	EPA 8260B MOD	11J0800	220	ND	200	10/7/2011	10/7/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11J0800	220	ND	200	10/7/2011	10/7/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11J0800	220	ND	200	10/7/2011	10/7/2011	
1,1-Dichloropropene	EPA 8260B MOD	11J0800	220	ND	200	10/7/2011	10/7/2011	
Ethylbenzene	EPA 8260B MOD	11J0800	240	**980**	200	10/7/2011	10/7/2011	
Hexachlorobutadiene	EPA 8260B MOD	11J0800	94	ND	200	10/7/2011	10/7/2011	
Isopropylbenzene	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
p-Isopropyltoluene	EPA 8260B MOD	11J0800	180	ND	200	10/7/2011	10/7/2011	
Methylene chloride	EPA 8260B MOD	11J0800	280	ND	200	10/7/2011	10/7/2011	
Naphthalene	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
Styrene	EPA 8260B MOD	11J0800	480	ND	200	10/7/2011	10/7/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11J0800	150	ND	200	10/7/2011	10/7/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11J0800	150	ND	200	10/7/2011	10/7/2011	
Tetrachloroethene	EPA 8260B MOD	11J0800	150	ND	200	10/7/2011	10/7/2011	
Toluene	EPA 8260B MOD	11J0800	260	ND	200	10/7/2011	10/7/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11J0800	130	ND	200	10/7/2011	10/7/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11J0800	130	ND	200	10/7/2011	10/7/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11J0800	180	ND	200	10/7/2011	10/7/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11J0800	180	ND	200	10/7/2011	10/7/2011	
Trichloroethene	EPA 8260B MOD	11J0800	190	ND	200	10/7/2011	10/7/2011	
Trichlorofluoromethane	EPA 8260B MOD	11J0800	180	ND	200	10/7/2011	10/7/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11J0800	170	ND	200	10/7/2011	10/7/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11J0800	200	ND	200	10/7/2011	10/7/2011	
Vinyl chloride	EPA 8260B MOD	11J0800	400	ND	200	10/7/2011	10/7/2011	
m,p-Xylenes	EPA 8260B MOD	11J0800	240	ND	200	10/7/2011	10/7/2011	
o-Xylene	EPA 8260B MOD	11J0800	240	ND	200	10/7/2011	10/7/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11J0800	240	ND	200	10/7/2011	10/7/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11J0800	260	ND	200	10/7/2011	10/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11J0800	280	ND	200	10/7/2011	10/7/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11J0800	240	ND	200	10/7/2011	10/7/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11J0800	3400	ND	200	10/7/2011	10/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11J0800	32	**1600**	20	10/7/2011	10/7/2011	
Bromobenzene	EPA 8260B MOD	11J0800	16	ND	20	10/7/2011	10/7/2011	
Bromochloromethane	EPA 8260B MOD	11J0800	19	ND	20	10/7/2011	10/7/2011	
Bromodichloromethane	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
Bromoform	EPA 8260B MOD	11J0800	9.6	ND	20	10/7/2011	10/7/2011	
Bromomethane	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
n-Butylbenzene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
sec-Butylbenzene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
tert-Butylbenzene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
Carbon tetrachloride	EPA 8260B MOD	11J0800	16	ND	20	10/7/2011	10/7/2011	
Chlorobenzene	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
Chloroethane	EPA 8260B MOD	11J0800	38	ND	20	10/7/2011	10/7/2011	
Chloroform	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Chloromethane	EPA 8260B MOD	11J0800	48	ND	20	10/7/2011	10/7/2011	
2-Chlorotoluene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
4-Chlorotoluene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Dibromochloromethane	EPA 8260B MOD	11J0800	12	ND	20	10/7/2011	10/7/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11J0800	13	ND	20	10/7/2011	10/7/2011	
Dibromomethane	EPA 8260B MOD	11J0800	14	ND	20	10/7/2011	10/7/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
1,1-Dichloroethane	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
1,2-Dichloroethane	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
1,1-Dichloroethene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
1,2-Dichloropropane	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
1,3-Dichloropropane	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
2,2-Dichloropropane	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
1,1-Dichloropropene	EPA 8260B MOD	11J0800	22	ND	20	10/7/2011	10/7/2011	
Ethylbenzene	EPA 8260B MOD	11J0800	24	**77**	20	10/7/2011	10/7/2011	
Hexachlorobutadiene	EPA 8260B MOD	11J0800	9.4	ND	20	10/7/2011	10/7/2011	
Isopropylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
p-Isopropyltoluene	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
Methylene chloride	EPA 8260B MOD	11J0800	28	ND	20	10/7/2011	10/7/2011	
Naphthalene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Styrene	EPA 8260B MOD	11J0800	48	ND	20	10/7/2011	10/7/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
Tetrachloroethene	EPA 8260B MOD	11J0800	15	ND	20	10/7/2011	10/7/2011	
Toluene	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11J0800	13	ND	20	10/7/2011	10/7/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11J0800	13	ND	20	10/7/2011	10/7/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
Trichloroethene	EPA 8260B MOD	11J0800	19	ND	20	10/7/2011	10/7/2011	
Trichlorofluoromethane	EPA 8260B MOD	11J0800	18	ND	20	10/7/2011	10/7/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11J0800	17	ND	20	10/7/2011	10/7/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11J0800	20	ND	20	10/7/2011	10/7/2011	
Vinyl chloride	EPA 8260B MOD	11J0800	40	ND	20	10/7/2011	10/7/2011	
m,p-Xylenes	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
o-Xylene	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11J0800	26	ND	20	10/7/2011	10/7/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11J0800	28	ND	20	10/7/2011	10/7/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11J0800	24	ND	20	10/7/2011	10/7/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11J0800	340	ND	20	10/7/2011	10/7/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: IUJ0694-01 (Effluent - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11J0915	0.10	**1.8**	1	10/8/2011	10/8/2011	
Carbon Monoxide	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Methane	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Nitrogen	ASTM D1946-90	11J0915	20	**76**	1	10/8/2011	10/8/2011	
Oxygen	ASTM D1946-90	11J0915	5.5	**22**	1	10/8/2011	10/8/2011	
Sample ID: IUJ0694-02 (Carbon 1 - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11J0915	0.10	**1.7**	1	10/8/2011	10/8/2011	
Carbon Monoxide	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Methane	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Nitrogen	ASTM D1946-90	11J0915	20	**76**	1	10/8/2011	10/8/2011	
Oxygen	ASTM D1946-90	11J0915	5.5	**22**	1	10/8/2011	10/8/2011	
Sample ID: IUJ0694-03 (Post Ambient Air - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11J0915	0.10	**1.6**	1	10/8/2011	10/8/2011	
Carbon Monoxide	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Methane	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Nitrogen	ASTM D1946-90	11J0915	20	**77**	1	10/8/2011	10/8/2011	
Oxygen	ASTM D1946-90	11J0915	5.5	**22**	1	10/8/2011	10/8/2011	
Sample ID: IUJ0694-04 (Inlet - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11J0915	0.10	**17**	1	10/8/2011	10/8/2011	
Carbon Monoxide	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Methane	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Nitrogen	ASTM D1946-90	11J0915	20	**71**	1	10/8/2011	10/8/2011	
Oxygen	ASTM D1946-90	11J0915	5.5	**12**	1	10/8/2011	10/8/2011	
Sample ID: IUJ0694-05 (Post Ambient Air Dup - Air)								
Reporting Units: % by Volume								
Carbon Dioxide	ASTM D1946-90	11J0915	0.10	**1.6**	1	10/8/2011	10/8/2011	
Carbon Monoxide	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Methane	ASTM D1946-90	11J0915	0.10	ND	1	10/8/2011	10/8/2011	
Nitrogen	ASTM D1946-90	11J0915	20	**77**	1	10/8/2011	10/8/2011	
Oxygen	ASTM D1946-90	11J0915	5.5	**22**	1	10/8/2011	10/8/2011	

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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: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUJ0694-01) - Air					
ASTM D1946-90	3	10/06/2011 15:00	10/06/2011 15:00	10/08/2011 07:56	10/08/2011 07:56
EPA 8260B MOD	3	10/06/2011 15:00	10/06/2011 15:00	10/07/2011 09:25	10/07/2011 14:36
Sample ID: Carbon 1 (IUJ0694-02) - Air					
ASTM D1946-90	3	10/06/2011 15:00	10/06/2011 15:00	10/08/2011 08:43	10/08/2011 08:43
EPA 8260B MOD	3	10/06/2011 15:00	10/06/2011 15:00	10/07/2011 21:34	10/08/2011 01:21
Sample ID: Post Ambient Air (IUJ0694-03) - Air					
ASTM D1946-90	3	10/06/2011 15:00	10/06/2011 15:00	10/08/2011 09:07	10/08/2011 09:07
EPA 8260B MOD	3	10/06/2011 15:00	10/06/2011 15:00	10/07/2011 13:56	10/07/2011 16:48
Sample ID: Inlet (IUJ0694-04) - Air					
ASTM D1946-90	3	10/06/2011 15:00	10/06/2011 15:00	10/08/2011 09:32	10/08/2011 09:32
EPA 8260B MOD	3	10/06/2011 15:00	10/06/2011 15:00	10/07/2011 10:10	10/07/2011 11:58
Sample ID: Post Ambient Air Dup (IUJ0694-05) - Air					
ASTM D1946-90	3	10/06/2011 15:00	10/06/2011 15:00	10/08/2011 09:54	10/08/2011 09:54
EPA 8260B MOD	3	10/06/2011 15:00	10/06/2011 15:00	10/07/2011 13:41	10/07/2011 14:10

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0780 Extracted: 10/07/11										
Blank Analyzed: 10/07/2011 (11J0780-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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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA	Sampled: 10/06/11 Received: 10/06/11
	Report Number:	IUJ0694	

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: 11J0780 Extracted: 10/07/11										
Blank Analyzed: 10/07/2011 (11J0780-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	*6.41*		*ppmv*	*6.99*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*6.01*		*ppmv*	*6.37*		*94*	*80-120*			
Surrogate: Toluene-d8	*11.2*		*ppmv*	*12.2*		*92*	*80-120*			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0780 Extracted: 10/07/11										
LCS Analyzed: 10/07/2011 (11J0780-BS1)										
Benzene	13.0	1.6	ppmv	15.7		83	70-120			
Bromobenzene	7.53	0.78	ppmv	7.79		97	75-120			
Bromochloromethane	8.88	0.94	ppmv	9.45		94	70-130			
Bromodichloromethane	7.16	0.75	ppmv	7.46		96	70-135			
Bromoform	5.43	0.48	ppmv	4.84		112	55-130			
Bromomethane	10.9	1.3	ppmv	12.9		85	65-140			
n-Butylbenzene	8.29	0.91	ppmv	9.11		91	70-130			
sec-Butylbenzene	8.85	0.91	ppmv	9.11		97	70-125			
tert-Butylbenzene	8.85	0.91	ppmv	9.11		97	70-125			
Carbon tetrachloride	8.23	0.79	ppmv	7.95		104	65-140			
Chlorobenzene	10.6	1.2	ppmv	10.9		97	75-120			
Chloroethane	14.0	1.9	ppmv	18.9		74	60-140			
Chloroform	8.37	1.0	ppmv	10.2		82	70-130			
Chloromethane	12.9	2.4	ppmv	24.2		53	50-140			
2-Chlorotoluene	8.73	1.0	ppmv	9.66		90	70-125			
4-Chlorotoluene	8.75	1.0	ppmv	9.66		91	75-125			
1,2-Dibromo-3-chloropropane	4.20	1.0	ppmv	5.17		81	50-135			
Dibromochloromethane	5.17	0.59	ppmv	5.87		88	70-140			
1,2-Dibromoethane (EDB)	6.27	0.65	ppmv	6.51		96	75-125			
Dibromomethane	6.16	0.70	ppmv	7.03		88	70-125			
1,2-Dichlorobenzene	8.17	0.83	ppmv	8.32		98	75-120			
1,3-Dichlorobenzene	8.18	0.83	ppmv	8.32		98	75-120			
1,4-Dichlorobenzene	7.72	0.83	ppmv	8.32		93	75-120			
Dichlorodifluoromethane	4.27	1.0	ppmv	10.1		42	35-155			
1,1-Dichloroethane	10.3	1.2	ppmv	12.4		84	70-125			
1,2-Dichloroethane	10.3	1.2	ppmv	12.4		84	60-140			
1,1-Dichloroethene	10.6	1.3	ppmv	12.6		84	70-125			
cis-1,2-Dichloroethene	11.2	1.3	ppmv	12.6		89	70-125			
trans-1,2-Dichloroethene	11.0	1.3	ppmv	12.6		87	70-125			
1,2-Dichloropropane	8.80	1.1	ppmv	10.8		81	70-125			
1,3-Dichloropropane	9.42	1.1	ppmv	10.8		87	70-120			
2,2-Dichloropropane	11.7	1.1	ppmv	10.8		108	65-140			
cis-1,3-Dichloropropene	10.0	1.1	ppmv	11.0		91	75-125			
trans-1,3-Dichloropropene	10.1	1.1	ppmv	11.0		92	70-125			
1,1-Dichloropropene	9.69	1.1	ppmv	11.0		88	75-130			
Ethylbenzene	11.1	1.2	ppmv	11.5		96	75-125			

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0780 Extracted: 10/07/11										
LCS Analyzed: 10/07/2011 (11J0780-BS1)										
Hexachlorobutadiene	4.76	0.47	ppmv	4.69		102	65-135			
Isopropylbenzene	9.84	1.0	ppmv	10.2		97	75-130			
p-Isopropyltoluene	9.25	0.91	ppmv	9.11		102	75-125			
Methylene chloride	10.7	1.4	ppmv	14.4		74	55-130			
Naphthalene	9.24	1.0	ppmv	9.54		97	55-135			
n-Propylbenzene	9.31	1.0	ppmv	10.2		92	75-130			
Styrene	11.5	2.4	ppmv	11.7		98	75-130			
1,1,1,2-Tetrachloroethane	7.23	0.73	ppmv	7.28		99	70-130			
1,1,2,2-Tetrachloroethane	5.91	0.73	ppmv	7.28		81	55-130			
Tetrachloroethene	7.76	0.74	ppmv	7.37		105	70-125			
Toluene	12.3	1.3	ppmv	13.3		93	70-120			
1,2,3-Trichlorobenzene	6.38	0.67	ppmv	6.74		95	65-125			
1,2,4-Trichlorobenzene	6.56	0.67	ppmv	6.74		97	70-135			
1,1,1-Trichloroethane	8.69	0.92	ppmv	9.16		95	65-135			
1,1,2-Trichloroethane	7.71	0.92	ppmv	9.16		84	70-125			
Trichloroethene	9.06	0.93	ppmv	9.30		97	70-125			
Trichlorofluoromethane	7.76	0.89	ppmv	8.90		87	65-145			
1,2,3-Trichloropropane	6.55	0.83	ppmv	8.29		79	60-130			
1,2,4-Trimethylbenzene	10.3	1.0	ppmv	10.2		101	75-125			
1,3,5-Trimethylbenzene	9.95	1.0	ppmv	10.2		98	75-125			
Vinyl chloride	13.1	2.0	ppmv	19.6		67	55-135			
m,p-Xylenes	22.2	1.2	ppmv	23.0		96	75-125			
Di-isopropyl Ether (DIPE)	9.32	1.2	ppmv	12.0		78	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.1	1.3	ppmv	12.0		84	65-135			
Methyl-tert-butyl Ether (MTBE)	10.9	1.4	ppmv	13.9		79	60-135			
tert-Amyl Methyl Ether (TAME)	10.1	1.2	ppmv	12.0		84	60-135			
tert-Butanol (TBA)	91.7	17	ppmv	82.5		111	70-135			
Surrogate: 4-Bromofluorobenzene	*6.56*		*ppmv*	*6.99*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*5.85*		*ppmv*	*6.37*		*92*	*80-120*			
Surrogate: Toluene-d8	*11.5*		*ppmv*	*12.2*		*94*	*80-120*			

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0780 Extracted: 10/07/11										
Duplicate Analyzed: 10/08/2011 (11J0780-DUP1)					**Source: IUJ0694-02**					
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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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0780 Extracted: 10/07/11										
Duplicate Analyzed: 10/08/2011 (11J0780-DUP1)					**Source: IUJ0694-02**					
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	
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	*6.04*		*ppmv*	*6.99*		*87*	*80-120*			
Surrogate: Dibromofluoromethane	*5.72*		*ppmv*	*6.37*		*90*	*80-120*			
Surrogate: Toluene-d8	*12.0*		*ppmv*	*12.2*		*98*	*80-120*			

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0800 Extracted: 10/07/11										
Blank Analyzed: 10/07/2011 (11J0800-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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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: Kent Vollmer	Project ID:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA	Sampled: 10/06/11 Received: 10/06/11
	Report Number:	IUJ0694	

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: 11J0800 Extracted: 10/07/11										
Blank Analyzed: 10/07/2011 (11J0800-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	*6.88*		*ppmv*	*6.99*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*6.83*		*ppmv*	*6.37*		*107*	*80-120*			
Surrogate: Toluene-d8	*12.0*		*ppmv*	*12.2*		*98*	*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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0800 Extracted: 10/07/11										
LCS Analyzed: 10/07/2011 (11J0800-BS1)										
Benzene	15.6	1.6	ppmv	15.7		100	70-120			
Bromobenzene	7.94	0.78	ppmv	7.79		102	75-120			
Bromochloromethane	11.0	0.94	ppmv	9.45		117	70-130			
Bromodichloromethane	8.55	0.75	ppmv	7.46		115	70-135			
Bromoform	4.65	0.48	ppmv	4.84		96	55-130			
Bromomethane	13.1	1.3	ppmv	12.9		102	65-140			
n-Butylbenzene	9.47	0.91	ppmv	9.11		104	70-130			
sec-Butylbenzene	9.35	0.91	ppmv	9.11		103	70-125			
tert-Butylbenzene	9.31	0.91	ppmv	9.11		102	70-125			
Carbon tetrachloride	9.13	0.79	ppmv	7.95		115	65-140			
Chlorobenzene	11.4	1.2	ppmv	10.9		105	75-120			
Chloroethane	18.0	1.9	ppmv	18.9		95	60-140			
Chloroform	11.9	1.0	ppmv	10.2		116	70-130			
Chloromethane	20.4	2.4	ppmv	24.2		84	50-140			
2-Chlorotoluene	9.64	1.0	ppmv	9.66		100	70-125			
4-Chlorotoluene	9.91	1.0	ppmv	9.66		103	75-125			
1,2-Dibromo-3-chloropropane	5.35	1.0	ppmv	5.17		104	50-135			
Dibromochloromethane	6.53	0.59	ppmv	5.87		111	70-140			
1,2-Dibromoethane (EDB)	7.24	0.65	ppmv	6.51		111	75-125			
Dibromomethane	7.91	0.70	ppmv	7.03		112	70-125			
1,2-Dichlorobenzene	8.41	0.83	ppmv	8.32		101	75-120			
1,3-Dichlorobenzene	8.68	0.83	ppmv	8.32		104	75-120			
1,4-Dichlorobenzene	8.59	0.83	ppmv	8.32		103	75-120			
Dichlorodifluoromethane	6.84	1.0	ppmv	10.1		68	35-155			
1,1-Dichloroethane	13.6	1.2	ppmv	12.4		110	70-125			
1,2-Dichloroethane	13.3	1.2	ppmv	12.4		108	60-140			
1,1-Dichloroethene	14.2	1.3	ppmv	12.6		112	70-125			
cis-1,2-Dichloroethene	14.6	1.3	ppmv	12.6		116	70-125			
trans-1,2-Dichloroethene	14.1	1.3	ppmv	12.6		112	70-125			
1,2-Dichloropropane	10.9	1.1	ppmv	10.8		101	70-125			
1,3-Dichloropropane	12.0	1.1	ppmv	10.8		111	70-120			
2,2-Dichloropropane	12.0	1.1	ppmv	10.8		111	65-140			
cis-1,3-Dichloropropene	11.1	1.1	ppmv	11.0		101	75-125			
trans-1,3-Dichloropropene	11.8	1.1	ppmv	11.0		108	70-125			
1,1-Dichloropropene	12.1	1.1	ppmv	11.0		110	75-130			
Ethylbenzene	12.6	1.2	ppmv	11.5		109	75-125			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0800 Extracted: 10/07/11										
LCS Analyzed: 10/07/2011 (11J0800-BS1)										
Hexachlorobutadiene	5.13	0.47	ppmv	4.69		109	65-135			
Isopropylbenzene	10.5	1.0	ppmv	10.2		103	75-130			
p-Isopropyltoluene	9.51	0.91	ppmv	9.11		104	75-125			
Methylene chloride	14.7	1.4	ppmv	14.4		102	55-130			
Naphthalene	10.6	1.0	ppmv	9.54		111	55-135			
n-Propylbenzene	10.1	1.0	ppmv	10.2		99	75-130			
Styrene	12.9	2.4	ppmv	11.7		110	75-130			
1,1,1,2-Tetrachloroethane	8.19	0.73	ppmv	7.28		112	70-130			
1,1,2,2-Tetrachloroethane	7.95	0.73	ppmv	7.28		109	55-130			
Tetrachloroethene	7.85	0.74	ppmv	7.37		106	70-125			
Toluene	14.1	1.3	ppmv	13.3		106	70-120			
1,2,3-Trichlorobenzene	7.30	0.67	ppmv	6.74		108	65-125			
1,2,4-Trichlorobenzene	7.29	0.67	ppmv	6.74		108	70-135			
1,1,1-Trichloroethane	10.8	0.92	ppmv	9.16		118	65-135			
1,1,2-Trichloroethane	10.1	0.92	ppmv	9.16		110	70-125			
Trichloroethene	9.67	0.93	ppmv	9.30		104	70-125			
Trichlorofluoromethane	10.6	0.89	ppmv	8.90		120	65-145			
1,2,3-Trichloropropane	8.21	0.83	ppmv	8.29		99	60-130			
1,2,4-Trimethylbenzene	10.1	1.0	ppmv	10.2		100	75-125			
1,3,5-Trimethylbenzene	10.6	1.0	ppmv	10.2		104	75-125			
Vinyl chloride	17.9	2.0	ppmv	19.6		91	55-135			
m,p-Xylenes	24.9	1.2	ppmv	23.0		108	75-125			
Di-isopropyl Ether (DIPE)	13.5	1.2	ppmv	12.0		113	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.5	1.3	ppmv	12.0		88	65-135			
Methyl-tert-butyl Ether (MTBE)	13.9	1.4	ppmv	13.9		100	60-135			
tert-Amyl Methyl Ether (TAME)	10.7	1.2	ppmv	12.0		90	60-135			
tert-Butanol (TBA)	103	17	ppmv	82.5		125	70-135			
Surrogate: 4-Bromofluorobenzene	*7.26*		*ppmv*	*6.99*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*7.13*		*ppmv*	*6.37*		*112*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUJ0694

Sampled: 10/06/11
Received: 10/06/11

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: 11J0800 Extracted: 10/07/11										
Duplicate Analyzed: 10/07/2011 (11J0800-DUP1)					**Source: IUJ0702-01**					
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	0.943	1.3	ppmv		0.948			0.5	20	
cis-1,2-Dichloroethene	1.23	1.3	ppmv		1.32			7	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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Patty Mata
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING
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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: 10/06/11
Newport Beach, CA 92660	Report Number:	IUJ0694	Received: 10/06/11
Attention: Kent Vollmer			

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: 11J0800 Extracted: 10/07/11										
Duplicate Analyzed: 10/07/2011 (11J0800-DUP1)					**Source: IUJ0702-01**					
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	14.0	0.74	ppmv		13.6			3	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	2.05	0.93	ppmv		2.01			2	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	*6.74*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*6.95*		*ppmv*	*6.37*		*109*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUJ0694	Sampled: 10/06/11 Received: 10/06/11	

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: 11J0915 Extracted: 10/08/11										
Duplicate Analyzed: 10/08/2011 (11J0915-DUP1)					**Source: IUJ0694-01**					
Carbon Dioxide	1.79	0.10	% by Volume		1.80			0.6	20	
Carbon Monoxide	ND	0.10	% by Volume		ND				20	
Methane	ND	0.10	% by Volume		ND				20	
Nitrogen	76.4	20	% by Volume		76.4			0	20	
Oxygen	21.8	5.5	% by Volume		21.8			0.05	20	

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID: Report Number:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA IUJ0694	Sampled: 10/06/11 Received: 10/06/11

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	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 10/06/11
Newport Beach, CA 92660	Report Number:	IUJ0694	Received: 10/06/11
Attention: Kent Vollmer			

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 America STL Other_____

Lab Identification (if nec[illegible]

- [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 [illegible]~~ 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: 10/6/2011

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): ~~[illegible]~~ Kent Vollmer

TELEPHONE:	FAX:	E-MAIL:
(949) 261-8098	(949) 261-8097	kvollmer@c2rem.com ~~sklemm@c2rem.com~~

SAMPLER NAME(S) (Print): SA / SM

LAB USE ONLY: IUJ0694

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 sample is expected to be high conc.
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						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	~~[illegible]~~ Effluent	10/6/11		Air	1 Tedlar														X	X						TEMPERATURE ON RECEIPT C°
	Carbon 1	10/6/11		Air															X	X						
	Post Ambient Air	10/6/11		Air															X	X						
	Inlet	10/6/11		Air															X	X						
	Post Ambient Air Dup	10/6/11		Air															X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	10/6/11	15:00
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: Kent Vollmer

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 11/02/11
Received: 11/02/11
Issued: 11/14/11 17:47

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: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
IUK0320-01	Inlet	Air
IUK0320-02	Post Ambient	Air
IUK0320-03	Post Ambient Dup	Air
IUK0320-04	C1	Air
IUK0320-05	Effluent	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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-01 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11K0204	400	**18000**	250	11/2/2011	11/3/2011	
Bromobenzene	EPA 8260B MOD	11K0204	200	ND	250	11/2/2011	11/3/2011	
Bromochloromethane	EPA 8260B MOD	11K0204	240	ND	250	11/2/2011	11/3/2011	
Bromodichloromethane	EPA 8260B MOD	11K0204	190	ND	250	11/2/2011	11/3/2011	
Bromoform	EPA 8260B MOD	11K0204	120	ND	250	11/2/2011	11/3/2011	
Bromomethane	EPA 8260B MOD	11K0204	320	ND	250	11/2/2011	11/3/2011	
n-Butylbenzene	EPA 8260B MOD	11K0204	230	ND	250	11/2/2011	11/3/2011	
sec-Butylbenzene	EPA 8260B MOD	11K0204	230	ND	250	11/2/2011	11/3/2011	
tert-Butylbenzene	EPA 8260B MOD	11K0204	230	ND	250	11/2/2011	11/3/2011	
Carbon tetrachloride	EPA 8260B MOD	11K0204	200	ND	250	11/2/2011	11/3/2011	
Chlorobenzene	EPA 8260B MOD	11K0204	300	ND	250	11/2/2011	11/3/2011	
Chloroethane	EPA 8260B MOD	11K0204	480	ND	250	11/2/2011	11/3/2011	
Chloroform	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
Chloromethane	EPA 8260B MOD	11K0204	600	ND	250	11/2/2011	11/3/2011	
2-Chlorotoluene	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
4-Chlorotoluene	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
Dibromochloromethane	EPA 8260B MOD	11K0204	150	ND	250	11/2/2011	11/3/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11K0204	160	ND	250	11/2/2011	11/3/2011	
Dibromomethane	EPA 8260B MOD	11K0204	180	ND	250	11/2/2011	11/3/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11K0204	210	ND	250	11/2/2011	11/3/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11K0204	210	ND	250	11/2/2011	11/3/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11K0204	210	ND	250	11/2/2011	11/3/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
1,1-Dichloroethane	EPA 8260B MOD	11K0204	300	ND	250	11/2/2011	11/3/2011	
1,2-Dichloroethane	EPA 8260B MOD	11K0204	300	ND	250	11/2/2011	11/3/2011	
1,1-Dichloroethene	EPA 8260B MOD	11K0204	320	ND	250	11/2/2011	11/3/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11K0204	320	ND	250	11/2/2011	11/3/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11K0204	320	ND	250	11/2/2011	11/3/2011	
1,2-Dichloropropane	EPA 8260B MOD	11K0204	280	ND	250	11/2/2011	11/3/2011	
1,3-Dichloropropane	EPA 8260B MOD	11K0204	280	ND	250	11/2/2011	11/3/2011	
2,2-Dichloropropane	EPA 8260B MOD	11K0204	280	ND	250	11/2/2011	11/3/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11K0204	280	ND	250	11/2/2011	11/3/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11K0204	280	ND	250	11/2/2011	11/3/2011	
1,1-Dichloropropene	EPA 8260B MOD	11K0204	280	ND	250	11/2/2011	11/3/2011	
Ethylbenzene	EPA 8260B MOD	11K0204	300	**740**	250	11/2/2011	11/3/2011	
Hexachlorobutadiene	EPA 8260B MOD	11K0204	120	ND	250	11/2/2011	11/3/2011	
Isopropylbenzene	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
p-Isopropyltoluene	EPA 8260B MOD	11K0204	230	ND	250	11/2/2011	11/3/2011	
Methylene chloride	EPA 8260B MOD	11K0204	350	ND	250	11/2/2011	11/3/2011	
Naphthalene	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-01 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
Styrene	EPA 8260B MOD	11K0204	600	ND	250	11/2/2011	11/3/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11K0204	180	ND	250	11/2/2011	11/3/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11K0204	180	ND	250	11/2/2011	11/3/2011	
Tetrachloroethene	EPA 8260B MOD	11K0204	180	ND	250	11/2/2011	11/3/2011	
Toluene	EPA 8260B MOD	11K0204	320	ND	250	11/2/2011	11/3/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11K0204	170	ND	250	11/2/2011	11/3/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11K0204	170	ND	250	11/2/2011	11/3/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11K0204	230	ND	250	11/2/2011	11/3/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11K0204	230	ND	250	11/2/2011	11/3/2011	
Trichloroethene	EPA 8260B MOD	11K0204	230	ND	250	11/2/2011	11/3/2011	
Trichlorofluoromethane	EPA 8260B MOD	11K0204	220	ND	250	11/2/2011	11/3/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11K0204	210	ND	250	11/2/2011	11/3/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11K0204	250	ND	250	11/2/2011	11/3/2011	
Vinyl chloride	EPA 8260B MOD	11K0204	500	ND	250	11/2/2011	11/3/2011	
m,p-Xylenes	EPA 8260B MOD	11K0204	300	ND	250	11/2/2011	11/3/2011	
o-Xylene	EPA 8260B MOD	11K0204	300	ND	250	11/2/2011	11/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11K0204	300	ND	250	11/2/2011	11/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11K0204	320	ND	250	11/2/2011	11/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11K0204	350	ND	250	11/2/2011	11/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11K0204	300	ND	250	11/2/2011	11/3/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11K0204	4200	ND	250	11/2/2011	11/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-02 (Post Ambient - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11K0204	32	**3200**	20	11/2/2011	11/3/2011	
Bromobenzene	EPA 8260B MOD	11K0204	16	ND	20	11/2/2011	11/3/2011	
Bromochloromethane	EPA 8260B MOD	11K0204	19	ND	20	11/2/2011	11/3/2011	
Bromodichloromethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/3/2011	
Bromoform	EPA 8260B MOD	11K0204	9.6	ND	20	11/2/2011	11/3/2011	
Bromomethane	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/3/2011	
n-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/3/2011	
sec-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/3/2011	
tert-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/3/2011	
Carbon tetrachloride	EPA 8260B MOD	11K0204	16	ND	20	11/2/2011	11/3/2011	
Chlorobenzene	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/3/2011	
Chloroethane	EPA 8260B MOD	11K0204	38	ND	20	11/2/2011	11/3/2011	
Chloroform	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
Chloromethane	EPA 8260B MOD	11K0204	48	ND	20	11/2/2011	11/3/2011	
2-Chlorotoluene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
4-Chlorotoluene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
Dibromochloromethane	EPA 8260B MOD	11K0204	12	ND	20	11/2/2011	11/3/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/3/2011	
Dibromomethane	EPA 8260B MOD	11K0204	14	ND	20	11/2/2011	11/3/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/3/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/3/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/3/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
1,1-Dichloroethane	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/3/2011	
1,2-Dichloroethane	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/3/2011	
1,1-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/3/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/3/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/3/2011	
1,2-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/3/2011	
1,3-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/3/2011	
2,2-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/3/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/3/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/3/2011	
1,1-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/3/2011	
Ethylbenzene	EPA 8260B MOD	11K0204	24	**140**	20	11/2/2011	11/3/2011	
Hexachlorobutadiene	EPA 8260B MOD	11K0204	9.4	ND	20	11/2/2011	11/3/2011	
Isopropylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
p-Isopropyltoluene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/3/2011	
Methylene chloride	EPA 8260B MOD	11K0204	28	ND	20	11/2/2011	11/3/2011	
Naphthalene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-02 (Post Ambient - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
Styrene	EPA 8260B MOD	11K0204	48	ND	20	11/2/2011	11/3/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/3/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/3/2011	
Tetrachloroethene	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/3/2011	
Toluene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/3/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/3/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/3/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/3/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/3/2011	
Trichloroethene	EPA 8260B MOD	11K0204	19	ND	20	11/2/2011	11/3/2011	
Trichlorofluoromethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/3/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/3/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/3/2011	
Vinyl chloride	EPA 8260B MOD	11K0204	40	ND	20	11/2/2011	11/3/2011	
m,p-Xylenes	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/3/2011	
o-Xylene	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11K0204	28	ND	20	11/2/2011	11/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/3/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11K0204	340	ND	20	11/2/2011	11/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*89 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-03 (Post Ambient Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11K0204	32	**2600**	20	11/2/2011	11/2/2011	
Bromobenzene	EPA 8260B MOD	11K0204	16	ND	20	11/2/2011	11/2/2011	
Bromochloromethane	EPA 8260B MOD	11K0204	19	ND	20	11/2/2011	11/2/2011	
Bromodichloromethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
Bromoform	EPA 8260B MOD	11K0204	9.6	ND	20	11/2/2011	11/2/2011	
Bromomethane	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
n-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
sec-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
tert-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
Carbon tetrachloride	EPA 8260B MOD	11K0204	16	ND	20	11/2/2011	11/2/2011	
Chlorobenzene	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
Chloroethane	EPA 8260B MOD	11K0204	38	ND	20	11/2/2011	11/2/2011	
Chloroform	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Chloromethane	EPA 8260B MOD	11K0204	48	ND	20	11/2/2011	11/2/2011	
2-Chlorotoluene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
4-Chlorotoluene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Dibromochloromethane	EPA 8260B MOD	11K0204	12	ND	20	11/2/2011	11/2/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/2/2011	
Dibromomethane	EPA 8260B MOD	11K0204	14	ND	20	11/2/2011	11/2/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
1,1-Dichloroethane	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
1,2-Dichloroethane	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
1,1-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
1,2-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
1,3-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
2,2-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
1,1-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
Ethylbenzene	EPA 8260B MOD	11K0204	24	**82**	20	11/2/2011	11/2/2011	
Hexachlorobutadiene	EPA 8260B MOD	11K0204	9.4	ND	20	11/2/2011	11/2/2011	
Isopropylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
p-Isopropyltoluene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
Methylene chloride	EPA 8260B MOD	11K0204	28	ND	20	11/2/2011	11/2/2011	
Naphthalene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-03 (Post Ambient Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Styrene	EPA 8260B MOD	11K0204	48	ND	20	11/2/2011	11/2/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
Tetrachloroethene	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
Toluene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/2/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/2/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
Trichloroethene	EPA 8260B MOD	11K0204	19	ND	20	11/2/2011	11/2/2011	
Trichlorofluoromethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Vinyl chloride	EPA 8260B MOD	11K0204	40	ND	20	11/2/2011	11/2/2011	
m,p-Xylenes	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
o-Xylene	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11K0204	28	ND	20	11/2/2011	11/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11K0204	340	ND	20	11/2/2011	11/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-04 (C1 - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11K0204	32	**1600**	20	11/2/2011	11/2/2011	
Bromobenzene	EPA 8260B MOD	11K0204	16	ND	20	11/2/2011	11/2/2011	
Bromochloromethane	EPA 8260B MOD	11K0204	19	ND	20	11/2/2011	11/2/2011	
Bromodichloromethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
Bromoform	EPA 8260B MOD	11K0204	9.6	ND	20	11/2/2011	11/2/2011	
Bromomethane	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
n-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
sec-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
tert-Butylbenzene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
Carbon tetrachloride	EPA 8260B MOD	11K0204	16	ND	20	11/2/2011	11/2/2011	
Chlorobenzene	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
Chloroethane	EPA 8260B MOD	11K0204	38	ND	20	11/2/2011	11/2/2011	
Chloroform	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Chloromethane	EPA 8260B MOD	11K0204	48	ND	20	11/2/2011	11/2/2011	
2-Chlorotoluene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
4-Chlorotoluene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Dibromochloromethane	EPA 8260B MOD	11K0204	12	ND	20	11/2/2011	11/2/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/2/2011	
Dibromomethane	EPA 8260B MOD	11K0204	14	ND	20	11/2/2011	11/2/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
1,1-Dichloroethane	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
1,2-Dichloroethane	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
1,1-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
1,2-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
1,3-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
2,2-Dichloropropane	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
1,1-Dichloropropene	EPA 8260B MOD	11K0204	22	ND	20	11/2/2011	11/2/2011	
Ethylbenzene	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
Hexachlorobutadiene	EPA 8260B MOD	11K0204	9.4	ND	20	11/2/2011	11/2/2011	
Isopropylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
p-Isopropyltoluene	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
Methylene chloride	EPA 8260B MOD	11K0204	28	ND	20	11/2/2011	11/2/2011	
Naphthalene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	

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Report Number: IUK0320

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Received: 11/02/11

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: IUK0320-04 (C1 - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Styrene	EPA 8260B MOD	11K0204	48	ND	20	11/2/2011	11/2/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
Tetrachloroethene	EPA 8260B MOD	11K0204	15	ND	20	11/2/2011	11/2/2011	
Toluene	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/2/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11K0204	13	ND	20	11/2/2011	11/2/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
Trichloroethene	EPA 8260B MOD	11K0204	19	ND	20	11/2/2011	11/2/2011	
Trichlorofluoromethane	EPA 8260B MOD	11K0204	18	ND	20	11/2/2011	11/2/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11K0204	17	ND	20	11/2/2011	11/2/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11K0204	20	ND	20	11/2/2011	11/2/2011	
Vinyl chloride	EPA 8260B MOD	11K0204	40	ND	20	11/2/2011	11/2/2011	
m,p-Xylenes	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
o-Xylene	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11K0204	26	ND	20	11/2/2011	11/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11K0204	28	ND	20	11/2/2011	11/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11K0204	24	ND	20	11/2/2011	11/2/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11K0204	340	ND	20	11/2/2011	11/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-05 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11K0204	1.6	ND	1	11/2/2011	11/2/2011	
Bromobenzene	EPA 8260B MOD	11K0204	0.78	ND	1	11/2/2011	11/2/2011	
Bromochloromethane	EPA 8260B MOD	11K0204	0.94	ND	1	11/2/2011	11/2/2011	
Bromodichloromethane	EPA 8260B MOD	11K0204	0.75	ND	1	11/2/2011	11/2/2011	
Bromoform	EPA 8260B MOD	11K0204	0.48	ND	1	11/2/2011	11/2/2011	
Bromomethane	EPA 8260B MOD	11K0204	1.3	ND	1	11/2/2011	11/2/2011	
n-Butylbenzene	EPA 8260B MOD	11K0204	0.91	ND	1	11/2/2011	11/2/2011	
sec-Butylbenzene	EPA 8260B MOD	11K0204	0.91	ND	1	11/2/2011	11/2/2011	
tert-Butylbenzene	EPA 8260B MOD	11K0204	0.91	ND	1	11/2/2011	11/2/2011	
Carbon tetrachloride	EPA 8260B MOD	11K0204	0.79	ND	1	11/2/2011	11/2/2011	
Chlorobenzene	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
Chloroethane	EPA 8260B MOD	11K0204	1.9	ND	1	11/2/2011	11/2/2011	
Chloroform	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
Chloromethane	EPA 8260B MOD	11K0204	2.4	ND	1	11/2/2011	11/2/2011	
2-Chlorotoluene	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
4-Chlorotoluene	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
Dibromochloromethane	EPA 8260B MOD	11K0204	0.59	ND	1	11/2/2011	11/2/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11K0204	0.65	ND	1	11/2/2011	11/2/2011	
Dibromomethane	EPA 8260B MOD	11K0204	0.70	ND	1	11/2/2011	11/2/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11K0204	0.83	ND	1	11/2/2011	11/2/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11K0204	0.83	ND	1	11/2/2011	11/2/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11K0204	0.83	ND	1	11/2/2011	11/2/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
1,1-Dichloroethane	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
1,2-Dichloroethane	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
1,1-Dichloroethene	EPA 8260B MOD	11K0204	1.3	ND	1	11/2/2011	11/2/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11K0204	1.3	ND	1	11/2/2011	11/2/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11K0204	1.3	ND	1	11/2/2011	11/2/2011	
1,2-Dichloropropane	EPA 8260B MOD	11K0204	1.1	ND	1	11/2/2011	11/2/2011	
1,3-Dichloropropane	EPA 8260B MOD	11K0204	1.1	ND	1	11/2/2011	11/2/2011	
2,2-Dichloropropane	EPA 8260B MOD	11K0204	1.1	ND	1	11/2/2011	11/2/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11K0204	1.1	ND	1	11/2/2011	11/2/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11K0204	1.1	ND	1	11/2/2011	11/2/2011	
1,1-Dichloropropene	EPA 8260B MOD	11K0204	1.1	ND	1	11/2/2011	11/2/2011	
Ethylbenzene	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
Hexachlorobutadiene	EPA 8260B MOD	11K0204	0.47	ND	1	11/2/2011	11/2/2011	
Isopropylbenzene	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
p-Isopropyltoluene	EPA 8260B MOD	11K0204	0.91	ND	1	11/2/2011	11/2/2011	
Methylene chloride	EPA 8260B MOD	11K0204	1.4	ND	1	11/2/2011	11/2/2011	
Naphthalene	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	

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Project Manager

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: IUK0320-05 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
Styrene	EPA 8260B MOD	11K0204	2.4	ND	1	11/2/2011	11/2/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11K0204	0.73	ND	1	11/2/2011	11/2/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11K0204	0.73	ND	1	11/2/2011	11/2/2011	
Tetrachloroethene	EPA 8260B MOD	11K0204	0.74	ND	1	11/2/2011	11/2/2011	
Toluene	EPA 8260B MOD	11K0204	1.3	ND	1	11/2/2011	11/2/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11K0204	0.67	ND	1	11/2/2011	11/2/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11K0204	0.67	ND	1	11/2/2011	11/2/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11K0204	0.92	ND	1	11/2/2011	11/2/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11K0204	0.92	ND	1	11/2/2011	11/2/2011	
Trichloroethene	EPA 8260B MOD	11K0204	0.93	ND	1	11/2/2011	11/2/2011	
Trichlorofluoromethane	EPA 8260B MOD	11K0204	0.89	ND	1	11/2/2011	11/2/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11K0204	0.83	ND	1	11/2/2011	11/2/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11K0204	1.0	ND	1	11/2/2011	11/2/2011	
Vinyl chloride	EPA 8260B MOD	11K0204	2.0	ND	1	11/2/2011	11/2/2011	
m,p-Xylenes	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
o-Xylene	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11K0204	1.3	ND	1	11/2/2011	11/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11K0204	1.4	ND	1	11/2/2011	11/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11K0204	1.2	ND	1	11/2/2011	11/2/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11K0204	17	ND	1	11/2/2011	11/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*118 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

Fixed Gases

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUK0320-01 (Inlet - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11K0023	0.010	**19**	1.0	11/3/2011	11/3/2011	
Carbon monoxide	ASTM D1946	11K0023	0.0010	**0.020**	1.0	11/3/2011	11/3/2011	
Methane	ASTM D1946	11K0023	0.00020	**0.013**	1.0	11/3/2011	11/3/2011	
Oxygen	ASTM D1946	11K0023	0.20	**11**	1.0	11/3/2011	11/3/2011	
Nitrogen	ASTM D1946	11K0023	1.0	**69**	1.0	11/3/2011	11/3/2011	
Sample ID: IUK0320-02 (Post Ambient - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11K0023	0.010	**2.8**	1.0	11/3/2011	11/3/2011	
Carbon monoxide	ASTM D1946	11K0023	0.0010	**0.0030**	1.0	11/3/2011	11/3/2011	
Methane	ASTM D1946	11K0023	0.00020	**0.0022**	1.0	11/3/2011	11/3/2011	
Oxygen	ASTM D1946	11K0023	0.20	**20**	1.0	11/3/2011	11/3/2011	
Nitrogen	ASTM D1946	11K0023	1.0	**77**	1.0	11/3/2011	11/3/2011	
Sample ID: IUK0320-03 (Post Ambient Dup - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11K0023	0.010	**2.9**	1.0	11/3/2011	11/3/2011	
Carbon monoxide	ASTM D1946	11K0023	0.0010	**0.0030**	1.0	11/3/2011	11/3/2011	
Methane	ASTM D1946	11K0023	0.00020	**0.0022**	1.0	11/3/2011	11/3/2011	
Oxygen	ASTM D1946	11K0023	0.20	**20**	1.0	11/3/2011	11/3/2011	
Nitrogen	ASTM D1946	11K0023	1.0	**77**	1.0	11/3/2011	11/3/2011	
Sample ID: IUK0320-04 (C1 - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11K0023	0.010	**3.0**	1.0	11/3/2011	11/3/2011	
Carbon monoxide	ASTM D1946	11K0023	0.0010	**0.0032**	1.0	11/3/2011	11/3/2011	
Methane	ASTM D1946	11K0023	0.00020	**0.0023**	1.0	11/3/2011	11/3/2011	
Oxygen	ASTM D1946	11K0023	0.20	**20**	1.0	11/3/2011	11/3/2011	
Nitrogen	ASTM D1946	11K0023	1.0	**77**	1.0	11/3/2011	11/3/2011	
Sample ID: IUK0320-05 (Effluent - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11K0023	0.010	**3.0**	1.0	11/3/2011	11/3/2011	
Carbon monoxide	ASTM D1946	11K0023	0.0010	**0.0031**	1.0	11/3/2011	11/3/2011	
Methane	ASTM D1946	11K0023	0.00020	**0.0022**	1.0	11/3/2011	11/3/2011	
Oxygen	ASTM D1946	11K0023	0.20	**20**	1.0	11/3/2011	11/3/2011	
Nitrogen	ASTM D1946	11K0023	1.0	**77**	1.0	11/3/2011	11/3/2011	

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Project Manager

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Inlet (IUK0320-01) - Air					
ASTM D1946	3	11/02/2011 15:55	11/02/2011 15:55	11/03/2011 10:00	11/03/2011 14:42
EPA 8260B MOD	3	11/02/2011 15:55	11/02/2011 15:55	11/02/2011 21:49	11/03/2011 00:35
Sample ID: Post Ambient (IUK0320-02) - Air					
ASTM D1946	3	11/02/2011 15:55	11/02/2011 15:55	11/03/2011 10:00	11/03/2011 14:59
EPA 8260B MOD	3	11/02/2011 15:55	11/02/2011 15:55	11/02/2011 21:37	11/03/2011 00:08
Sample ID: Post Ambient Dup (IUK0320-03) - Air					
ASTM D1946	3	11/02/2011 15:55	11/02/2011 15:55	11/03/2011 10:00	11/03/2011 15:18
EPA 8260B MOD	3	11/02/2011 15:55	11/02/2011 15:55	11/02/2011 21:33	11/02/2011 23:41
Sample ID: C1 (IUK0320-04) - Air					
ASTM D1946	3	11/02/2011 15:55	11/02/2011 15:55	11/03/2011 10:00	11/03/2011 15:36
EPA 8260B MOD	3	11/02/2011 15:55	11/02/2011 15:55	11/02/2011 20:44	11/02/2011 23:14
Sample ID: Effluent (IUK0320-05) - Air					
ASTM D1946	3	11/02/2011 15:55	11/02/2011 15:55	11/03/2011 10:00	11/03/2011 14:22
EPA 8260B MOD	3	11/02/2011 15:55	11/02/2011 15:55	11/02/2011 20:11	11/02/2011 22:21

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: 11K0204 Extracted: 11/02/11										
Blank Analyzed: 11/02/2011 (11K0204-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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C2 Rem	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 11/02/11
Newport Beach, CA 92660	Report Number:	IUK0320	Received: 11/02/11
Attention: Kent Vollmer			

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: 11K0204 Extracted: 11/02/11										
Blank Analyzed: 11/02/2011 (11K0204-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	*6.66*		*ppmv*	*6.99*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*5.76*		*ppmv*	*6.37*		*90*	*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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: 11K0204 Extracted: 11/02/11										
LCS Analyzed: 11/02/2011 (11K0204-BS1)										
Benzene	14.8	1.6	ppmv	15.7		95	70-120			
Bromobenzene	8.15	0.78	ppmv	7.79		105	75-120			
Bromochloromethane	8.22	0.94	ppmv	9.45		87	70-130			
Bromodichloromethane	7.35	0.75	ppmv	7.46		98	70-135			
Bromoform	4.97	0.48	ppmv	4.84		103	55-130			
Bromomethane	10.8	1.3	ppmv	12.9		84	65-140			
n-Butylbenzene	10.1	0.91	ppmv	9.11		111	70-130			
sec-Butylbenzene	10.4	0.91	ppmv	9.11		114	70-125			
tert-Butylbenzene	10.6	0.91	ppmv	9.11		116	70-125			
Carbon tetrachloride	8.83	0.79	ppmv	7.95		111	65-140			
Chlorobenzene	10.5	1.2	ppmv	10.9		96	75-120			
Chloroethane	15.4	1.9	ppmv	18.9		81	60-140			
Chloroform	8.67	1.0	ppmv	10.2		85	70-130			
Chloromethane	16.3	2.4	ppmv	24.2		67	50-140			
2-Chlorotoluene	9.72	1.0	ppmv	9.66		101	70-125			
4-Chlorotoluene	9.86	1.0	ppmv	9.66		102	75-125			
1,2-Dibromo-3-chloropropane	5.72	1.0	ppmv	5.17		111	50-135			
Dibromochloromethane	5.86	0.59	ppmv	5.87		100	70-140			
1,2-Dibromoethane (EDB)	6.22	0.65	ppmv	6.51		96	75-125			
Dibromomethane	6.53	0.70	ppmv	7.03		93	70-125			
1,2-Dichlorobenzene	8.13	0.83	ppmv	8.32		98	75-120			
1,3-Dichlorobenzene	8.56	0.83	ppmv	8.32		103	75-120			
1,4-Dichlorobenzene	8.30	0.83	ppmv	8.32		100	75-120			
Dichlorodifluoromethane	8.57	1.0	ppmv	10.1		85	35-155			
1,1-Dichloroethane	10.2	1.2	ppmv	12.4		83	70-125			
1,2-Dichloroethane	12.1	1.2	ppmv	12.4		98	60-140			
1,1-Dichloroethene	12.4	1.3	ppmv	12.6		98	70-125			
cis-1,2-Dichloroethene	11.8	1.3	ppmv	12.6		94	70-125			
trans-1,2-Dichloroethene	11.6	1.3	ppmv	12.6		92	70-125			
1,2-Dichloropropane	9.97	1.1	ppmv	10.8		92	70-125			
1,3-Dichloropropane	10.3	1.1	ppmv	10.8		95	70-120			
2,2-Dichloropropane	10.7	1.1	ppmv	10.8		99	65-140			
cis-1,3-Dichloropropene	10.3	1.1	ppmv	11.0		94	75-125			
trans-1,3-Dichloropropene	10.9	1.1	ppmv	11.0		99	70-125			
1,1-Dichloropropene	11.9	1.1	ppmv	11.0		108	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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: 11K0204 Extracted: 11/02/11										
LCS Analyzed: 11/02/2011 (11K0204-BS1)										
Hexachlorobutadiene	5.93	0.47	ppmv	4.69		127	65-135			
Isopropylbenzene	10.6	1.0	ppmv	10.2		104	75-130			
p-Isopropyltoluene	10.2	0.91	ppmv	9.11		112	75-125			
Methylene chloride	11.9	1.4	ppmv	14.4		83	55-130			
Naphthalene	10.1	1.0	ppmv	9.54		106	55-135			
n-Propylbenzene	11.2	1.0	ppmv	10.2		110	75-130			
Styrene	11.9	2.4	ppmv	11.7		101	75-130			
1,1,1,2-Tetrachloroethane	7.42	0.73	ppmv	7.28		102	70-130			
1,1,2,2-Tetrachloroethane	6.98	0.73	ppmv	7.28		96	55-130			
Tetrachloroethene	8.39	0.74	ppmv	7.37		114	70-125			
Toluene	13.3	1.3	ppmv	13.3		100	70-120			
1,2,3-Trichlorobenzene	6.86	0.67	ppmv	6.74		102	65-125			
1,2,4-Trichlorobenzene	7.01	0.67	ppmv	6.74		104	70-135			
1,1,1-Trichloroethane	8.26	0.92	ppmv	9.16		90	65-135			
1,1,2-Trichloroethane	8.06	0.92	ppmv	9.16		88	70-125			
Trichloroethene	9.90	0.93	ppmv	9.30		106	70-125			
Trichlorofluoromethane	9.15	0.89	ppmv	8.90		103	65-145			
1,2,3-Trichloropropane	8.28	0.83	ppmv	8.29		100	60-130			
1,2,4-Trimethylbenzene	10.9	1.0	ppmv	10.2		107	75-125			
1,3,5-Trimethylbenzene	11.2	1.0	ppmv	10.2		110	75-125			
Vinyl chloride	17.6	2.0	ppmv	19.6		90	55-135			
m,p-Xylenes	24.7	1.2	ppmv	23.0		107	75-125			
Di-isopropyl Ether (DIPE)	9.41	1.2	ppmv	12.0		79	60-135			
Ethyl tert-Butyl Ether (ETBE)	9.82	1.3	ppmv	12.0		82	65-135			
Methyl-tert-butyl Ether (MTBE)	10.9	1.4	ppmv	13.9		78	60-135			
tert-Amyl Methyl Ether (TAME)	10.4	1.2	ppmv	12.0		87	60-135			
tert-Butanol (TBA)	83.8	17	ppmv	82.5		102	70-135			
Surrogate: 4-Bromofluorobenzene	*6.72*		*ppmv*	*6.99*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*5.44*		*ppmv*	*6.37*		*85*	*80-120*			
Surrogate: Toluene-d8	*11.9*		*ppmv*	*12.2*		*97*	*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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUK0320

Sampled: 11/02/11
Received: 11/02/11

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: 11K0204 Extracted: 11/02/11										
Duplicate Analyzed: 11/02/2011 (11K0204-DUP1)					**Source: IUK0320-05**					
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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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: Kent Vollmer	Project ID:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA	Sampled: 11/02/11 Received: 11/02/11
	Report Number:	IUK0320	

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: 11K0204 Extracted: 11/02/11										
Duplicate Analyzed: 11/02/2011 (11K0204-DUP1)					**Source: IUK0320-05**					
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	
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	*6.90*		*ppmv*	*6.99*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*6.17*		*ppmv*	*6.37*		*97*	*80-120*			
Surrogate: Toluene-d8	*12.0*		*ppmv*	*12.2*		*98*	*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: Kent Vollmer	Project ID:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA	Sampled: 11/02/11 Received: 11/02/11
	Report Number:	IUK0320	

METHOD BLANK/QC DATA

Fixed Gases

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11K0023 Extracted: 11/03/11										
Blank Analyzed: 11/03/2011 (11K0023-BLK1)										
Carbon dioxide	ND	0.010	%(v/v)							
Carbon monoxide	ND	0.0010	%(v/v)							
Methane	ND	0.00020	%(v/v)							
Oxygen	ND	0.20	%(v/v)							
Nitrogen	ND	1.0	%(v/v)							
LCS Analyzed: 11/03/2011 (11K0023-BS1)										
Carbon dioxide	0.931	0.010	%(v/v)	0.9980		93	80-120			
Carbon monoxide	0.0431	0.0010	%(v/v)	0.04500		96	80-120			
Methane	0.0495	0.00020	%(v/v)	0.05000		99	80-120			
Oxygen	4.77	0.20	%(v/v)	4.980		96	80-120			
Nitrogen	19.0	1.0	%(v/v)	19.90		96	80-120			
LCS Dup Analyzed: 11/03/2011 (11K0023-BSD1)										
Carbon dioxide	0.932	0.010	%(v/v)	0.9980		93	80-120	0.2	20	
Carbon monoxide	0.0430	0.0010	%(v/v)	0.04500		96	80-120	0.3	20	
Methane	0.0494	0.00020	%(v/v)	0.05000		99	80-120	0.2	20	
Oxygen	4.78	0.20	%(v/v)	4.980		96	80-120	0.05	20	
Nitrogen	19.0	1.0	%(v/v)	19.90		95	80-120	0.1	20	

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Project Manager

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C2 Rem 2382 Southeast Bristol St., Ste. B Newport Beach, CA 92660 Attention: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUK0320	Sampled: 11/02/11 Received: 11/02/11

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: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUK0320	Sampled: 11/02/11 Received: 11/02/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
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

Subcontracted Laboratories

TestAmerica Los Angeles

3585 Cadillac Ave., Suite A - Costa Mesa, CA 92626

Method Performed: ASTM D1946

Samples: IUK0320-01, IUK0320-02, IUK0320-03, IUK0320-04, IUK0320-05

TestAmerica Irvine

Patty Mata
Project Manager

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CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 11/2/11

PAGE: 1 of 1

SAMPLING COMPANY: C2 REM	LOG CODE:
SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA	GLOBAL ID NO.:
ADDRESS: 2382 S.E. Bristol, Suite B	EDF DELIVERABLE TO (Responsible Party or Designee):
PHONE NO.:	E-MAIL:
CONSULTANT PROJECT NO.: 97-101	
PROJECT CONTACT (Hardcopy or PDF Report to): Kent Vollmer	SAMPLER NAME(S) (Print): C2 REM field personnel
TELEPHONE: 949-261-8098	FAX: 949-261-8097
E-MAIL: kvollmer@c2rem.com	LAB USE ONLY: IK0920

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 VOCs (Benzene)
Please watch cross-contamination with other samples

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.	8260B MOD. VOCs	1946 (ASTM) FIXED GASES	TEMPERATURE ON RECEIPT C°
	Inlet	11/2	—	AIR	1	X	X	
	Post Ambient	↓	—	↓	1	↓	↓	
	Post Ambient Dup	↓	—	↓	1	↓	↓	
	C1	↓	—	↓	1	↓	↓	
	Effluent	↓	—	↓	1	↓	↓	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		11/2/11	13:55
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

RT

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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: Kent Vollmer

Project: 97-101, Shell
97-101, 20245 S Vermont,
Torrance, CA

Sampled: 12/13/11
Received: 12/13/11
Issued: 12/27/11 10:40

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: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
IUL1361-01	Effluent	Air
IUL1361-02	Carbon 1	Air
IUL1361-03	Post Ambient Air	Air
IUL1361-04	Inlet	Air
IUL1361-05	Post Ambient Air Dup	Air

Reviewed By:

TestAmerica Irvine

Patty Mata
Project Manager

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-01 (Effluent - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11L1592	1.6	ND	1	12/13/2011	12/13/2011	
Bromobenzene	EPA 8260B MOD	11L1592	0.78	ND	1	12/13/2011	12/13/2011	
Bromochloromethane	EPA 8260B MOD	11L1592	0.94	ND	1	12/13/2011	12/13/2011	
Bromodichloromethane	EPA 8260B MOD	11L1592	0.75	ND	1	12/13/2011	12/13/2011	
Bromoform	EPA 8260B MOD	11L1592	0.48	ND	1	12/13/2011	12/13/2011	
Bromomethane	EPA 8260B MOD	11L1592	1.3	ND	1	12/13/2011	12/13/2011	
n-Butylbenzene	EPA 8260B MOD	11L1592	0.91	ND	1	12/13/2011	12/13/2011	
sec-Butylbenzene	EPA 8260B MOD	11L1592	0.91	ND	1	12/13/2011	12/13/2011	
tert-Butylbenzene	EPA 8260B MOD	11L1592	0.91	ND	1	12/13/2011	12/13/2011	
Carbon tetrachloride	EPA 8260B MOD	11L1592	0.79	ND	1	12/13/2011	12/13/2011	
Chlorobenzene	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
Chloroethane	EPA 8260B MOD	11L1592	1.9	ND	1	12/13/2011	12/13/2011	
Chloroform	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
Chloromethane	EPA 8260B MOD	11L1592	2.4	ND	1	12/13/2011	12/13/2011	
2-Chlorotoluene	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
4-Chlorotoluene	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
Dibromochloromethane	EPA 8260B MOD	11L1592	0.59	ND	1	12/13/2011	12/13/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11L1592	0.65	ND	1	12/13/2011	12/13/2011	
Dibromomethane	EPA 8260B MOD	11L1592	0.70	ND	1	12/13/2011	12/13/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11L1592	0.83	ND	1	12/13/2011	12/13/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11L1592	0.83	ND	1	12/13/2011	12/13/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11L1592	0.83	ND	1	12/13/2011	12/13/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
1,1-Dichloroethane	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
1,2-Dichloroethane	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
1,1-Dichloroethene	EPA 8260B MOD	11L1592	1.3	ND	1	12/13/2011	12/13/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11L1592	1.3	ND	1	12/13/2011	12/13/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11L1592	1.3	ND	1	12/13/2011	12/13/2011	
1,2-Dichloropropane	EPA 8260B MOD	11L1592	1.1	ND	1	12/13/2011	12/13/2011	
1,3-Dichloropropane	EPA 8260B MOD	11L1592	1.1	ND	1	12/13/2011	12/13/2011	
2,2-Dichloropropane	EPA 8260B MOD	11L1592	1.1	ND	1	12/13/2011	12/13/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11L1592	1.1	ND	1	12/13/2011	12/13/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11L1592	1.1	ND	1	12/13/2011	12/13/2011	
1,1-Dichloropropene	EPA 8260B MOD	11L1592	1.1	ND	1	12/13/2011	12/13/2011	
Ethylbenzene	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
Hexachlorobutadiene	EPA 8260B MOD	11L1592	0.47	ND	1	12/13/2011	12/13/2011	
Isopropylbenzene	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
p-Isopropyltoluene	EPA 8260B MOD	11L1592	0.91	ND	1	12/13/2011	12/13/2011	
Methylene chloride	EPA 8260B MOD	11L1592	1.4	ND	1	12/13/2011	12/13/2011	
Naphthalene	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-01 (Effluent - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
Styrene	EPA 8260B MOD	11L1592	2.4	ND	1	12/13/2011	12/13/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11L1592	0.73	ND	1	12/13/2011	12/13/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11L1592	0.73	ND	1	12/13/2011	12/13/2011	
Tetrachloroethene	EPA 8260B MOD	11L1592	0.74	ND	1	12/13/2011	12/13/2011	
Toluene	EPA 8260B MOD	11L1592	1.3	ND	1	12/13/2011	12/13/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11L1592	0.67	ND	1	12/13/2011	12/13/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11L1592	0.67	ND	1	12/13/2011	12/13/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11L1592	0.92	ND	1	12/13/2011	12/13/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11L1592	0.92	ND	1	12/13/2011	12/13/2011	
Trichloroethene	EPA 8260B MOD	11L1592	0.93	ND	1	12/13/2011	12/13/2011	
Trichlorofluoromethane	EPA 8260B MOD	11L1592	0.89	ND	1	12/13/2011	12/13/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11L1592	0.83	ND	1	12/13/2011	12/13/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11L1592	1.0	ND	1	12/13/2011	12/13/2011	
Vinyl chloride	EPA 8260B MOD	11L1592	2.0	ND	1	12/13/2011	12/13/2011	
m,p-Xylenes	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
o-Xylene	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11L1592	1.3	ND	1	12/13/2011	12/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11L1592	1.4	ND	1	12/13/2011	12/13/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11L1592	1.2	ND	1	12/13/2011	12/13/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11L1592	17	ND	1	12/13/2011	12/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-02 (Carbon 1 - Air)								
Reporting Units: ppmv								
Bromobenzene	EPA 8260B MOD	11L1592	3.9	ND	5	12/13/2011	12/13/2011	
Bromochloromethane	EPA 8260B MOD	11L1592	4.7	ND	5	12/13/2011	12/13/2011	
Bromodichloromethane	EPA 8260B MOD	11L1592	3.8	ND	5	12/13/2011	12/13/2011	
Bromoform	EPA 8260B MOD	11L1592	2.4	ND	5	12/13/2011	12/13/2011	
Bromomethane	EPA 8260B MOD	11L1592	6.5	ND	5	12/13/2011	12/13/2011	
n-Butylbenzene	EPA 8260B MOD	11L1592	4.6	ND	5	12/13/2011	12/13/2011	
sec-Butylbenzene	EPA 8260B MOD	11L1592	4.6	ND	5	12/13/2011	12/13/2011	
tert-Butylbenzene	EPA 8260B MOD	11L1592	4.6	ND	5	12/13/2011	12/13/2011	
Carbon tetrachloride	EPA 8260B MOD	11L1592	4.0	ND	5	12/13/2011	12/13/2011	
Chlorobenzene	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
Chloroethane	EPA 8260B MOD	11L1592	9.5	ND	5	12/13/2011	12/13/2011	
Chloroform	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
Chloromethane	EPA 8260B MOD	11L1592	12	ND	5	12/13/2011	12/13/2011	
2-Chlorotoluene	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
4-Chlorotoluene	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
Dibromochloromethane	EPA 8260B MOD	11L1592	3.0	ND	5	12/13/2011	12/13/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11L1592	3.2	ND	5	12/13/2011	12/13/2011	
Dibromomethane	EPA 8260B MOD	11L1592	3.5	ND	5	12/13/2011	12/13/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11L1592	4.2	ND	5	12/13/2011	12/13/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11L1592	4.2	ND	5	12/13/2011	12/13/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11L1592	4.2	ND	5	12/13/2011	12/13/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
1,1-Dichloroethane	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
1,2-Dichloroethane	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
1,1-Dichloroethene	EPA 8260B MOD	11L1592	6.5	ND	5	12/13/2011	12/13/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11L1592	6.5	ND	5	12/13/2011	12/13/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11L1592	6.5	ND	5	12/13/2011	12/13/2011	
1,2-Dichloropropane	EPA 8260B MOD	11L1592	5.5	ND	5	12/13/2011	12/13/2011	
1,3-Dichloropropane	EPA 8260B MOD	11L1592	5.5	ND	5	12/13/2011	12/13/2011	
2,2-Dichloropropane	EPA 8260B MOD	11L1592	5.5	ND	5	12/13/2011	12/13/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11L1592	5.5	ND	5	12/13/2011	12/13/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11L1592	5.5	ND	5	12/13/2011	12/13/2011	
1,1-Dichloropropene	EPA 8260B MOD	11L1592	5.5	ND	5	12/13/2011	12/13/2011	
Ethylbenzene	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
Hexachlorobutadiene	EPA 8260B MOD	11L1592	2.4	ND	5	12/13/2011	12/13/2011	
Isopropylbenzene	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
p-Isopropyltoluene	EPA 8260B MOD	11L1592	4.6	ND	5	12/13/2011	12/13/2011	
Methylene chloride	EPA 8260B MOD	11L1592	7.0	ND	5	12/13/2011	12/13/2011	
Naphthalene	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
n-Propylbenzene	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-02 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
Styrene	EPA 8260B MOD	11L1592	12	ND	5	12/13/2011	12/13/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11L1592	3.6	ND	5	12/13/2011	12/13/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11L1592	3.6	ND	5	12/13/2011	12/13/2011	
Tetrachloroethene	EPA 8260B MOD	11L1592	3.7	ND	5	12/13/2011	12/13/2011	
Toluene	EPA 8260B MOD	11L1592	6.5	ND	5	12/13/2011	12/13/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11L1592	3.4	ND	5	12/13/2011	12/13/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11L1592	3.4	ND	5	12/13/2011	12/13/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11L1592	4.6	ND	5	12/13/2011	12/13/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11L1592	4.6	ND	5	12/13/2011	12/13/2011	
Trichloroethene	EPA 8260B MOD	11L1592	4.6	ND	5	12/13/2011	12/13/2011	
Trichlorofluoromethane	EPA 8260B MOD	11L1592	4.4	ND	5	12/13/2011	12/13/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11L1592	4.2	ND	5	12/13/2011	12/13/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11L1592	5.0	ND	5	12/13/2011	12/13/2011	
Vinyl chloride	EPA 8260B MOD	11L1592	10	ND	5	12/13/2011	12/13/2011	
m,p-Xylenes	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
o-Xylene	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11L1592	6.5	ND	5	12/13/2011	12/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11L1592	7.0	ND	5	12/13/2011	12/13/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11L1592	6.0	ND	5	12/13/2011	12/13/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11L1592	85	ND	5	12/13/2011	12/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-02RE1 (Carbon 1 - Air) - cont.								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11L1592	80	**920**	50	12/13/2011	12/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-03 (Post Ambient Air - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11L1762	80	**2300**	50	12/14/2011	12/14/2011	
Bromobenzene	EPA 8260B MOD	11L1762	39	ND	50	12/14/2011	12/14/2011	
Bromochloromethane	EPA 8260B MOD	11L1762	47	ND	50	12/14/2011	12/14/2011	
Bromodichloromethane	EPA 8260B MOD	11L1762	38	ND	50	12/14/2011	12/14/2011	
Bromoform	EPA 8260B MOD	11L1762	24	ND	50	12/14/2011	12/14/2011	
Bromomethane	EPA 8260B MOD	11L1762	65	ND	50	12/14/2011	12/14/2011	
n-Butylbenzene	EPA 8260B MOD	11L1762	46	ND	50	12/14/2011	12/14/2011	
sec-Butylbenzene	EPA 8260B MOD	11L1762	46	ND	50	12/14/2011	12/14/2011	
tert-Butylbenzene	EPA 8260B MOD	11L1762	46	ND	50	12/14/2011	12/14/2011	L
Carbon tetrachloride	EPA 8260B MOD	11L1762	40	ND	50	12/14/2011	12/14/2011	
Chlorobenzene	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
Chloroethane	EPA 8260B MOD	11L1762	95	ND	50	12/14/2011	12/14/2011	
Chloroform	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
Chloromethane	EPA 8260B MOD	11L1762	120	ND	50	12/14/2011	12/14/2011	
2-Chlorotoluene	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
4-Chlorotoluene	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
Dibromochloromethane	EPA 8260B MOD	11L1762	30	ND	50	12/14/2011	12/14/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11L1762	32	ND	50	12/14/2011	12/14/2011	
Dibromomethane	EPA 8260B MOD	11L1762	35	ND	50	12/14/2011	12/14/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11L1762	42	ND	50	12/14/2011	12/14/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11L1762	42	ND	50	12/14/2011	12/14/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11L1762	42	ND	50	12/14/2011	12/14/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
1,1-Dichloroethane	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
1,2-Dichloroethane	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
1,1-Dichloroethene	EPA 8260B MOD	11L1762	65	ND	50	12/14/2011	12/14/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11L1762	65	ND	50	12/14/2011	12/14/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11L1762	65	ND	50	12/14/2011	12/14/2011	
1,2-Dichloropropane	EPA 8260B MOD	11L1762	55	ND	50	12/14/2011	12/14/2011	
1,3-Dichloropropane	EPA 8260B MOD	11L1762	55	ND	50	12/14/2011	12/14/2011	
2,2-Dichloropropane	EPA 8260B MOD	11L1762	55	ND	50	12/14/2011	12/14/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11L1762	55	ND	50	12/14/2011	12/14/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11L1762	55	ND	50	12/14/2011	12/14/2011	
1,1-Dichloropropene	EPA 8260B MOD	11L1762	55	ND	50	12/14/2011	12/14/2011	
Ethylbenzene	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
Hexachlorobutadiene	EPA 8260B MOD	11L1762	24	ND	50	12/14/2011	12/14/2011	
Isopropylbenzene	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
p-Isopropyltoluene	EPA 8260B MOD	11L1762	46	ND	50	12/14/2011	12/14/2011	
Methylene chloride	EPA 8260B MOD	11L1762	70	ND	50	12/14/2011	12/14/2011	
Naphthalene	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-03 (Post Ambient Air - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
Styrene	EPA 8260B MOD	11L1762	120	ND	50	12/14/2011	12/14/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11L1762	36	ND	50	12/14/2011	12/14/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11L1762	36	ND	50	12/14/2011	12/14/2011	
Tetrachloroethene	EPA 8260B MOD	11L1762	37	ND	50	12/14/2011	12/14/2011	
Toluene	EPA 8260B MOD	11L1762	65	ND	50	12/14/2011	12/14/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11L1762	34	ND	50	12/14/2011	12/14/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11L1762	34	ND	50	12/14/2011	12/14/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11L1762	46	ND	50	12/14/2011	12/14/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11L1762	46	ND	50	12/14/2011	12/14/2011	
Trichloroethene	EPA 8260B MOD	11L1762	46	ND	50	12/14/2011	12/14/2011	
Trichlorofluoromethane	EPA 8260B MOD	11L1762	44	ND	50	12/14/2011	12/14/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11L1762	42	ND	50	12/14/2011	12/14/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11L1762	50	ND	50	12/14/2011	12/14/2011	
Vinyl chloride	EPA 8260B MOD	11L1762	100	ND	50	12/14/2011	12/14/2011	
m,p-Xylenes	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
o-Xylene	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11L1762	65	ND	50	12/14/2011	12/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11L1762	70	ND	50	12/14/2011	12/14/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11L1762	60	ND	50	12/14/2011	12/14/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11L1762	850	ND	50	12/14/2011	12/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*88 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-04 (Inlet - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11L1592	400	**15000**	250	12/13/2011	12/13/2011	
Bromobenzene	EPA 8260B MOD	11L1592	200	ND	250	12/13/2011	12/13/2011	
Bromochloromethane	EPA 8260B MOD	11L1592	240	ND	250	12/13/2011	12/13/2011	
Bromodichloromethane	EPA 8260B MOD	11L1592	190	ND	250	12/13/2011	12/13/2011	
Bromoform	EPA 8260B MOD	11L1592	120	ND	250	12/13/2011	12/13/2011	
Bromomethane	EPA 8260B MOD	11L1592	320	ND	250	12/13/2011	12/13/2011	
n-Butylbenzene	EPA 8260B MOD	11L1592	230	ND	250	12/13/2011	12/13/2011	
sec-Butylbenzene	EPA 8260B MOD	11L1592	230	ND	250	12/13/2011	12/13/2011	
tert-Butylbenzene	EPA 8260B MOD	11L1592	230	ND	250	12/13/2011	12/13/2011	
Carbon tetrachloride	EPA 8260B MOD	11L1592	200	ND	250	12/13/2011	12/13/2011	
Chlorobenzene	EPA 8260B MOD	11L1592	300	ND	250	12/13/2011	12/13/2011	
Chloroethane	EPA 8260B MOD	11L1592	480	ND	250	12/13/2011	12/13/2011	
Chloroform	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
Chloromethane	EPA 8260B MOD	11L1592	600	ND	250	12/13/2011	12/13/2011	
2-Chlorotoluene	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
4-Chlorotoluene	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
Dibromochloromethane	EPA 8260B MOD	11L1592	150	ND	250	12/13/2011	12/13/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11L1592	160	ND	250	12/13/2011	12/13/2011	
Dibromomethane	EPA 8260B MOD	11L1592	180	ND	250	12/13/2011	12/13/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11L1592	210	ND	250	12/13/2011	12/13/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11L1592	210	ND	250	12/13/2011	12/13/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11L1592	210	ND	250	12/13/2011	12/13/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
1,1-Dichloroethane	EPA 8260B MOD	11L1592	300	ND	250	12/13/2011	12/13/2011	
1,2-Dichloroethane	EPA 8260B MOD	11L1592	300	ND	250	12/13/2011	12/13/2011	
1,1-Dichloroethene	EPA 8260B MOD	11L1592	320	ND	250	12/13/2011	12/13/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11L1592	320	ND	250	12/13/2011	12/13/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11L1592	320	ND	250	12/13/2011	12/13/2011	
1,2-Dichloropropane	EPA 8260B MOD	11L1592	280	ND	250	12/13/2011	12/13/2011	
1,3-Dichloropropane	EPA 8260B MOD	11L1592	280	ND	250	12/13/2011	12/13/2011	
2,2-Dichloropropane	EPA 8260B MOD	11L1592	280	ND	250	12/13/2011	12/13/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11L1592	280	ND	250	12/13/2011	12/13/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11L1592	280	ND	250	12/13/2011	12/13/2011	
1,1-Dichloropropene	EPA 8260B MOD	11L1592	280	ND	250	12/13/2011	12/13/2011	
Ethylbenzene	EPA 8260B MOD	11L1592	300	**930**	250	12/13/2011	12/13/2011	
Hexachlorobutadiene	EPA 8260B MOD	11L1592	120	ND	250	12/13/2011	12/13/2011	
Isopropylbenzene	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
p-Isopropyltoluene	EPA 8260B MOD	11L1592	230	ND	250	12/13/2011	12/13/2011	
Methylene chloride	EPA 8260B MOD	11L1592	350	ND	250	12/13/2011	12/13/2011	
Naphthalene	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	

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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-04 (Inlet - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
Styrene	EPA 8260B MOD	11L1592	600	ND	250	12/13/2011	12/13/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11L1592	180	ND	250	12/13/2011	12/13/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11L1592	180	ND	250	12/13/2011	12/13/2011	
Tetrachloroethene	EPA 8260B MOD	11L1592	180	ND	250	12/13/2011	12/13/2011	
Toluene	EPA 8260B MOD	11L1592	320	ND	250	12/13/2011	12/13/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11L1592	170	ND	250	12/13/2011	12/13/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11L1592	170	ND	250	12/13/2011	12/13/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11L1592	230	ND	250	12/13/2011	12/13/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11L1592	230	ND	250	12/13/2011	12/13/2011	
Trichloroethene	EPA 8260B MOD	11L1592	230	ND	250	12/13/2011	12/13/2011	
Trichlorofluoromethane	EPA 8260B MOD	11L1592	220	ND	250	12/13/2011	12/13/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11L1592	210	ND	250	12/13/2011	12/13/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11L1592	250	ND	250	12/13/2011	12/13/2011	
Vinyl chloride	EPA 8260B MOD	11L1592	500	ND	250	12/13/2011	12/13/2011	
m,p-Xylenes	EPA 8260B MOD	11L1592	300	ND	250	12/13/2011	12/13/2011	
o-Xylene	EPA 8260B MOD	11L1592	300	ND	250	12/13/2011	12/13/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11L1592	300	ND	250	12/13/2011	12/13/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11L1592	320	ND	250	12/13/2011	12/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11L1592	350	ND	250	12/13/2011	12/13/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11L1592	300	ND	250	12/13/2011	12/13/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11L1592	4200	ND	250	12/13/2011	12/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-05 (Post Ambient Air Dup - Air)								
Reporting Units: ppmv								
Benzene	EPA 8260B MOD	11L1592	16	**110**	10	12/13/2011	12/13/2011	
Bromobenzene	EPA 8260B MOD	11L1592	7.8	ND	10	12/13/2011	12/13/2011	
Bromochloromethane	EPA 8260B MOD	11L1592	9.4	ND	10	12/13/2011	12/13/2011	
Bromodichloromethane	EPA 8260B MOD	11L1592	7.5	ND	10	12/13/2011	12/13/2011	
Bromoform	EPA 8260B MOD	11L1592	4.8	ND	10	12/13/2011	12/13/2011	
Bromomethane	EPA 8260B MOD	11L1592	13	ND	10	12/13/2011	12/13/2011	
n-Butylbenzene	EPA 8260B MOD	11L1592	9.1	ND	10	12/13/2011	12/13/2011	
sec-Butylbenzene	EPA 8260B MOD	11L1592	9.1	ND	10	12/13/2011	12/13/2011	
tert-Butylbenzene	EPA 8260B MOD	11L1592	9.1	ND	10	12/13/2011	12/13/2011	
Carbon tetrachloride	EPA 8260B MOD	11L1592	7.9	ND	10	12/13/2011	12/13/2011	
Chlorobenzene	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
Chloroethane	EPA 8260B MOD	11L1592	19	ND	10	12/13/2011	12/13/2011	
Chloroform	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
Chloromethane	EPA 8260B MOD	11L1592	24	ND	10	12/13/2011	12/13/2011	
2-Chlorotoluene	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
4-Chlorotoluene	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
Dibromochloromethane	EPA 8260B MOD	11L1592	5.9	ND	10	12/13/2011	12/13/2011	
1,2-Dibromoethane (EDB)	EPA 8260B MOD	11L1592	6.5	ND	10	12/13/2011	12/13/2011	
Dibromomethane	EPA 8260B MOD	11L1592	7.0	ND	10	12/13/2011	12/13/2011	
1,2-Dichlorobenzene	EPA 8260B MOD	11L1592	8.3	ND	10	12/13/2011	12/13/2011	
1,3-Dichlorobenzene	EPA 8260B MOD	11L1592	8.3	ND	10	12/13/2011	12/13/2011	
1,4-Dichlorobenzene	EPA 8260B MOD	11L1592	8.3	ND	10	12/13/2011	12/13/2011	
Dichlorodifluoromethane	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
1,1-Dichloroethane	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
1,2-Dichloroethane	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
1,1-Dichloroethene	EPA 8260B MOD	11L1592	13	ND	10	12/13/2011	12/13/2011	
cis-1,2-Dichloroethene	EPA 8260B MOD	11L1592	13	ND	10	12/13/2011	12/13/2011	
trans-1,2-Dichloroethene	EPA 8260B MOD	11L1592	13	ND	10	12/13/2011	12/13/2011	
1,2-Dichloropropane	EPA 8260B MOD	11L1592	11	ND	10	12/13/2011	12/13/2011	
1,3-Dichloropropane	EPA 8260B MOD	11L1592	11	ND	10	12/13/2011	12/13/2011	
2,2-Dichloropropane	EPA 8260B MOD	11L1592	11	ND	10	12/13/2011	12/13/2011	
cis-1,3-Dichloropropene	EPA 8260B MOD	11L1592	11	ND	10	12/13/2011	12/13/2011	
trans-1,3-Dichloropropene	EPA 8260B MOD	11L1592	11	ND	10	12/13/2011	12/13/2011	
1,1-Dichloropropene	EPA 8260B MOD	11L1592	11	ND	10	12/13/2011	12/13/2011	
Ethylbenzene	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
Hexachlorobutadiene	EPA 8260B MOD	11L1592	4.7	ND	10	12/13/2011	12/13/2011	
Isopropylbenzene	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
p-Isopropyltoluene	EPA 8260B MOD	11L1592	9.1	ND	10	12/13/2011	12/13/2011	
Methylene chloride	EPA 8260B MOD	11L1592	14	ND	10	12/13/2011	12/13/2011	
Naphthalene	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	

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Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: IUL1361-05 (Post Ambient Air Dup - Air) - cont.								
Reporting Units: ppmv								
n-Propylbenzene	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
Styrene	EPA 8260B MOD	11L1592	24	ND	10	12/13/2011	12/13/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B MOD	11L1592	7.3	ND	10	12/13/2011	12/13/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B MOD	11L1592	7.3	ND	10	12/13/2011	12/13/2011	
Tetrachloroethene	EPA 8260B MOD	11L1592	7.4	ND	10	12/13/2011	12/13/2011	
Toluene	EPA 8260B MOD	11L1592	13	ND	10	12/13/2011	12/13/2011	
1,2,3-Trichlorobenzene	EPA 8260B MOD	11L1592	6.7	ND	10	12/13/2011	12/13/2011	
1,2,4-Trichlorobenzene	EPA 8260B MOD	11L1592	6.7	ND	10	12/13/2011	12/13/2011	
1,1,1-Trichloroethane	EPA 8260B MOD	11L1592	9.2	ND	10	12/13/2011	12/13/2011	
1,1,2-Trichloroethane	EPA 8260B MOD	11L1592	9.2	ND	10	12/13/2011	12/13/2011	
Trichloroethene	EPA 8260B MOD	11L1592	9.3	ND	10	12/13/2011	12/13/2011	
Trichlorofluoromethane	EPA 8260B MOD	11L1592	8.9	ND	10	12/13/2011	12/13/2011	
1,2,3-Trichloropropane	EPA 8260B MOD	11L1592	8.3	ND	10	12/13/2011	12/13/2011	
1,2,4-Trimethylbenzene	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
1,3,5-Trimethylbenzene	EPA 8260B MOD	11L1592	10	ND	10	12/13/2011	12/13/2011	
Vinyl chloride	EPA 8260B MOD	11L1592	20	ND	10	12/13/2011	12/13/2011	
m,p-Xylenes	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
o-Xylene	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD	11L1592	13	ND	10	12/13/2011	12/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD	11L1592	14	ND	10	12/13/2011	12/13/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD	11L1592	12	ND	10	12/13/2011	12/13/2011	
tert-Butanol (TBA)	EPA 8260B MOD	11L1592	170	ND	10	12/13/2011	12/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

Fixed Gases

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUL1361-01 (Effluent - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11L0120	0.010	**2.9**	1.0	12/14/2011	12/15/2011	
Carbon monoxide	ASTM D1946	11L0120	0.0010	**0.0041**	1.0	12/14/2011	12/15/2011	
Methane	ASTM D1946	11L0120	0.00020	**0.0022**	1.0	12/14/2011	12/15/2011	
Oxygen	ASTM D1946	11L0120	0.20	**20**	1.0	12/14/2011	12/15/2011	
Nitrogen	ASTM D1946	11L0120	1.0	**76**	1.0	12/14/2011	12/15/2011	
Sample ID: IUL1361-02 (Carbon 1 - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11L0120	0.010	**2.9**	1.0	12/14/2011	12/15/2011	
Carbon monoxide	ASTM D1946	11L0120	0.0010	**0.0041**	1.0	12/14/2011	12/15/2011	
Methane	ASTM D1946	11L0120	0.00020	**0.0022**	1.0	12/14/2011	12/15/2011	
Oxygen	ASTM D1946	11L0120	0.20	**20**	1.0	12/14/2011	12/15/2011	
Nitrogen	ASTM D1946	11L0120	1.0	**76**	1.0	12/14/2011	12/15/2011	
Sample ID: IUL1361-03 (Post Ambient Air - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11L0120	0.010	**2.5**	1.0	12/14/2011	12/15/2011	
Carbon monoxide	ASTM D1946	11L0120	0.0010	**0.0035**	1.0	12/14/2011	12/15/2011	
Methane	ASTM D1946	11L0120	0.00020	**0.0019**	1.0	12/14/2011	12/15/2011	
Oxygen	ASTM D1946	11L0120	0.20	**20**	1.0	12/14/2011	12/15/2011	
Nitrogen	ASTM D1946	11L0120	1.0	**76**	1.0	12/14/2011	12/15/2011	
Sample ID: IUL1361-04 (Inlet - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11L0120	0.010	**18**	1.0	12/14/2011	12/15/2011	
Carbon monoxide	ASTM D1946	11L0120	0.0010	**0.026**	1.0	12/14/2011	12/15/2011	
Methane	ASTM D1946	11L0120	0.00020	**0.013**	1.0	12/14/2011	12/15/2011	
Oxygen	ASTM D1946	11L0120	0.20	**10**	1.0	12/14/2011	12/15/2011	
Nitrogen	ASTM D1946	11L0120	1.0	**68**	1.0	12/14/2011	12/15/2011	
Sample ID: IUL1361-05 (Post Ambient Air Dup - Air)								
Reporting Units: %(v/v)								
Carbon dioxide	ASTM D1946	11L0120	0.010	**2.8**	1.0	12/14/2011	12/15/2011	
Carbon monoxide	ASTM D1946	11L0120	0.0010	**0.0039**	1.0	12/14/2011	12/15/2011	
Methane	ASTM D1946	11L0120	0.00020	**0.0021**	1.0	12/14/2011	12/15/2011	
Oxygen	ASTM D1946	11L0120	0.20	**20**	1.0	12/14/2011	12/15/2011	
Nitrogen	ASTM D1946	11L0120	1.0	**76**	1.0	12/14/2011	12/15/2011	

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Effluent (IUL1361-01) - Air					
ASTM D1946	3	12/13/2011 11:40	12/13/2011 17:05	12/14/2011 16:45	12/15/2011 14:35
EPA 8260B MOD	3	12/13/2011 11:40	12/13/2011 17:05	12/13/2011 19:35	12/13/2011 20:33
Sample ID: Carbon 1 (IUL1361-02) - Air					
ASTM D1946	3	12/13/2011 11:45	12/13/2011 17:05	12/14/2011 16:45	12/15/2011 14:59
EPA 8260B MOD	3	12/13/2011 11:45	12/13/2011 17:05	12/13/2011 20:27	12/13/2011 21:29
Sample ID: Carbon 1 (IUL1361-02RE1) - Air					
EPA 8260B MOD	3	12/13/2011 11:45	12/13/2011 17:05	12/13/2011 22:09	12/13/2011 23:22
Sample ID: Post Ambient Air (IUL1361-03) - Air					
ASTM D1946	3	12/13/2011 11:50	12/13/2011 17:05	12/14/2011 16:45	12/15/2011 15:18
EPA 8260B MOD	3	12/13/2011 11:50	12/13/2011 17:05	12/14/2011 09:11	12/14/2011 09:55
Sample ID: Inlet (IUL1361-04) - Air					
ASTM D1946	3	12/13/2011 11:55	12/13/2011 17:05	12/14/2011 16:45	12/15/2011 15:53
EPA 8260B MOD	3	12/13/2011 11:55	12/13/2011 17:05	12/13/2011 20:30	12/13/2011 22:25
Sample ID: Post Ambient Air Dup (IUL1361-05) - Air					
ASTM D1946	3	12/13/2011 11:50	12/13/2011 17:05	12/14/2011 16:45	12/15/2011 15:35
EPA 8260B MOD	3	12/13/2011 11:50	12/13/2011 17:05	12/13/2011 20:43	12/13/2011 22:54

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: 11L1592 Extracted: 12/13/11										
Blank Analyzed: 12/13/2011 (11L1592-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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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: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUL1361	Sampled: 12/13/11 Received: 12/13/11	

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: 11L1592 Extracted: 12/13/11										
Blank Analyzed: 12/13/2011 (11L1592-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	*6.18*		*ppmv*	*6.99*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*6.25*		*ppmv*	*6.37*		*98*	*80-120*			
Surrogate: Toluene-d8	*12.1*		*ppmv*	*12.2*		*99*	*80-120*			

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C2 Rem
2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: 11L1592 Extracted: 12/13/11										
LCS Analyzed: 12/13/2011 (11L1592-BS1)										
Benzene	14.9	1.6	ppmv	15.7		96	70-120			
Bromobenzene	8.00	0.78	ppmv	7.79		103	75-120			
Bromochloromethane	9.33	0.94	ppmv	9.45		99	70-130			
Bromodichloromethane	8.22	0.75	ppmv	7.46		110	70-135			
Bromoform	3.57	0.48	ppmv	4.84		74	55-130			
Bromomethane	14.2	1.3	ppmv	12.9		110	65-140			
n-Butylbenzene	9.88	0.91	ppmv	9.11		108	70-130			
sec-Butylbenzene	10.4	0.91	ppmv	9.11		114	70-125			
tert-Butylbenzene	11.3	0.91	ppmv	9.11		124	70-125			
Carbon tetrachloride	10.4	0.79	ppmv	7.95		131	65-140			
Chlorobenzene	9.49	1.2	ppmv	10.9		87	75-120			
Chloroethane	13.4	1.9	ppmv	18.9		71	60-140			
Chloroform	10.3	1.0	ppmv	10.2		100	70-130			
Chloromethane	21.5	2.4	ppmv	24.2		89	50-140			
2-Chlorotoluene	9.93	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	5.19	1.0	ppmv	5.17		100	50-135			
Dibromochloromethane	5.82	0.59	ppmv	5.87		99	70-140			
1,2-Dibromoethane (EDB)	6.75	0.65	ppmv	6.51		104	75-125			
Dibromomethane	7.52	0.70	ppmv	7.03		107	70-125			
1,2-Dichlorobenzene	8.53	0.83	ppmv	8.32		103	75-120			
1,3-Dichlorobenzene	8.35	0.83	ppmv	8.32		100	75-120			
1,4-Dichlorobenzene	8.24	0.83	ppmv	8.32		99	75-120			
Dichlorodifluoromethane	13.5	1.0	ppmv	10.1		133	35-155			
1,1-Dichloroethane	10.4	1.2	ppmv	12.4		84	70-125			
1,2-Dichloroethane	12.4	1.2	ppmv	12.4		101	60-140			
1,1-Dichloroethene	11.8	1.3	ppmv	12.6		94	70-125			
cis-1,2-Dichloroethene	12.5	1.3	ppmv	12.6		99	70-125			
trans-1,2-Dichloroethene	12.3	1.3	ppmv	12.6		97	70-125			
1,2-Dichloropropane	9.53	1.1	ppmv	10.8		88	70-125			
1,3-Dichloropropane	9.95	1.1	ppmv	10.8		92	70-120			
2,2-Dichloropropane	13.4	1.1	ppmv	10.8		123	65-140			
cis-1,3-Dichloropropene	11.9	1.1	ppmv	11.0		108	75-125			
trans-1,3-Dichloropropene	12.0	1.1	ppmv	11.0		109	70-125			
1,1-Dichloropropene	12.3	1.1	ppmv	11.0		112	75-130			
Ethylbenzene	11.4	1.2	ppmv	11.5		99	75-125			

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C2 Rem
2382 Southeast Bristol St., Ste. B
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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: 11L1592 Extracted: 12/13/11										
LCS Analyzed: 12/13/2011 (11L1592-BS1)										
Hexachlorobutadiene	5.21	0.47	ppmv	4.69		111	65-135			
Isopropylbenzene	11.0	1.0	ppmv	10.2		108	75-130			
p-Isopropyltoluene	11.0	0.91	ppmv	9.11		121	75-125			
Methylene chloride	12.1	1.4	ppmv	14.4		84	55-130			
Naphthalene	10.5	1.0	ppmv	9.54		110	55-135			
n-Propylbenzene	10.8	1.0	ppmv	10.2		106	75-130			
Styrene	12.2	2.4	ppmv	11.7		104	75-130			
1,1,1,2-Tetrachloroethane	7.63	0.73	ppmv	7.28		105	70-130			
1,1,2,2-Tetrachloroethane	6.89	0.73	ppmv	7.28		95	55-130			
Tetrachloroethene	7.18	0.74	ppmv	7.37		97	70-125			
Toluene	13.4	1.3	ppmv	13.3		101	70-120			
1,2,3-Trichlorobenzene	7.30	0.67	ppmv	6.74		108	65-125			
1,2,4-Trichlorobenzene	7.40	0.67	ppmv	6.74		110	70-135			
1,1,1-Trichloroethane	10.3	0.92	ppmv	9.16		113	65-135			
1,1,2-Trichloroethane	8.76	0.92	ppmv	9.16		96	70-125			
Trichloroethene	10.3	0.93	ppmv	9.30		111	70-125			
Trichlorofluoromethane	10.5	0.89	ppmv	8.90		118	65-145			
1,2,3-Trichloropropane	8.29	0.83	ppmv	8.29		100	60-130			
1,2,4-Trimethylbenzene	12.2	1.0	ppmv	10.2		120	75-125			
1,3,5-Trimethylbenzene	12.2	1.0	ppmv	10.2		120	75-125			
Vinyl chloride	20.1	2.0	ppmv	19.6		103	55-135			
m,p-Xylenes	23.9	1.2	ppmv	23.0		104	75-125			
Di-isopropyl Ether (DIPE)	9.31	1.2	ppmv	12.0		78	60-135			
Ethyl tert-Butyl Ether (ETBE)	7.94	1.3	ppmv	12.0		66	65-135			
Methyl-tert-butyl Ether (MTBE)	12.4	1.4	ppmv	13.9		89	60-135			
tert-Amyl Methyl Ether (TAME)	9.29	1.2	ppmv	12.0		78	60-135			
tert-Butanol (TBA)	96.7	17	ppmv	82.5		117	70-135			
Surrogate: 4-Bromofluorobenzene	*6.30*		*ppmv*	*6.99*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*6.26*		*ppmv*	*6.37*		*98*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

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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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: 11L1592 Extracted: 12/13/11										
Duplicate Analyzed: 12/13/2011 (11L1592-DUP1)					**Source: IUL1361-01**					
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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Patty Mata
Project Manager

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11L1592 Extracted: 12/13/11										
Duplicate Analyzed: 12/13/2011 (11L1592-DUP1)					**Source: IUL1361-01**					
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	
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	*6.21*		*ppmv*	*6.99*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*6.37*		*ppmv*	*6.37*		*100*	*80-120*			
Surrogate: Toluene-d8	*12.1*		*ppmv*	*12.2*		*99*	*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: 11L1762 Extracted: 12/14/11										
Blank Analyzed: 12/14/2011 (11L1762-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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C2 Rem	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 12/13/11
Newport Beach, CA 92660	Report Number:	IUL1361	Received: 12/13/11
Attention: Kent Vollmer			

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: 11L1762 Extracted: 12/14/11										
Blank Analyzed: 12/14/2011 (11L1762-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	*7.08*		*ppmv*	*6.99*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*5.46*		*ppmv*	*6.37*		*86*	*80-120*			
Surrogate: Toluene-d8	*12.3*		*ppmv*	*12.2*		*100*	*80-120*			

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Project Manager

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2382 Southeast Bristol St., Ste. B
Newport Beach, CA 92660
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Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: 11L1762 Extracted: 12/14/11										
LCS Analyzed: 12/14/2011 (11L1762-BS1)										
Benzene	16.2	1.6	ppmv	15.7		103	70-120			
Bromobenzene	8.81	0.78	ppmv	7.79		113	75-120			
Bromochloromethane	9.31	0.94	ppmv	9.45		99	70-130			
Bromodichloromethane	7.79	0.75	ppmv	7.46		104	70-135			
Bromoform	5.10	0.48	ppmv	4.84		105	55-130			
Bromomethane	13.2	1.3	ppmv	12.9		103	65-140			
n-Butylbenzene	11.1	0.91	ppmv	9.11		122	70-130			
sec-Butylbenzene	11.4	0.91	ppmv	9.11		125	70-125			
tert-Butylbenzene	11.4	0.91	ppmv	9.11		126	70-125			*L*
Carbon tetrachloride	9.92	0.79	ppmv	7.95		125	65-140			
Chlorobenzene	11.3	1.2	ppmv	10.9		104	75-120			
Chloroethane	18.2	1.9	ppmv	18.9		96	60-140			
Chloroform	9.81	1.0	ppmv	10.2		96	70-130			
Chloromethane	23.5	2.4	ppmv	24.2		97	50-140			
2-Chlorotoluene	10.7	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	6.73	1.0	ppmv	5.17		130	50-135			
Dibromochloromethane	5.86	0.59	ppmv	5.87		100	70-140			
1,2-Dibromoethane (EDB)	6.79	0.65	ppmv	6.51		104	75-125			
Dibromomethane	7.45	0.70	ppmv	7.03		106	70-125			
1,2-Dichlorobenzene	8.72	0.83	ppmv	8.32		105	75-120			
1,3-Dichlorobenzene	8.98	0.83	ppmv	8.32		108	75-120			
1,4-Dichlorobenzene	8.71	0.83	ppmv	8.32		105	75-120			
Dichlorodifluoromethane	12.2	1.0	ppmv	10.1		121	35-155			
1,1-Dichloroethane	11.8	1.2	ppmv	12.4		96	70-125			
1,2-Dichloroethane	12.5	1.2	ppmv	12.4		101	60-140			
1,1-Dichloroethene	14.2	1.3	ppmv	12.6		113	70-125			
cis-1,2-Dichloroethene	13.0	1.3	ppmv	12.6		103	70-125			
trans-1,2-Dichloroethene	14.0	1.3	ppmv	12.6		111	70-125			
1,2-Dichloropropane	10.6	1.1	ppmv	10.8		98	70-125			
1,3-Dichloropropane	11.4	1.1	ppmv	10.8		106	70-120			
2,2-Dichloropropane	12.0	1.1	ppmv	10.8		111	65-140			
cis-1,3-Dichloropropene	11.1	1.1	ppmv	11.0		100	75-125			
trans-1,3-Dichloropropene	10.9	1.1	ppmv	11.0		99	70-125			
1,1-Dichloropropene	13.4	1.1	ppmv	11.0		121	75-130			
Ethylbenzene	13.0	1.2	ppmv	11.5		113	75-125			

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Attention: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: 11L1762 Extracted: 12/14/11										
LCS Analyzed: 12/14/2011 (11L1762-BS1)										
Hexachlorobutadiene	5.70	0.47	ppmv	4.69		122	65-135			
Isopropylbenzene	11.7	1.0	ppmv	10.2		115	75-130			
p-Isopropyltoluene	11.1	0.91	ppmv	9.11		122	75-125			
Methylene chloride	13.1	1.4	ppmv	14.4		91	55-130			
Naphthalene	10.8	1.0	ppmv	9.54		113	55-135			
n-Propylbenzene	12.4	1.0	ppmv	10.2		122	75-130			
Styrene	13.0	2.4	ppmv	11.7		111	75-130			
1,1,1,2-Tetrachloroethane	7.91	0.73	ppmv	7.28		109	70-130			
1,1,2,2-Tetrachloroethane	8.51	0.73	ppmv	7.28		117	55-130			
Tetrachloroethene	8.87	0.74	ppmv	7.37		120	70-125			
Toluene	14.2	1.3	ppmv	13.3		107	70-120			
1,2,3-Trichlorobenzene	6.94	0.67	ppmv	6.74		103	65-125			
1,2,4-Trichlorobenzene	7.07	0.67	ppmv	6.74		105	70-135			
1,1,1-Trichloroethane	9.62	0.92	ppmv	9.16		105	65-135			
1,1,2-Trichloroethane	8.93	0.92	ppmv	9.16		97	70-125			
Trichloroethene	10.5	0.93	ppmv	9.30		113	70-125			
Trichlorofluoromethane	10.5	0.89	ppmv	8.90		118	65-145			
1,2,3-Trichloropropane	9.69	0.83	ppmv	8.29		117	60-130			
1,2,4-Trimethylbenzene	12.0	1.0	ppmv	10.2		118	75-125			
1,3,5-Trimethylbenzene	12.3	1.0	ppmv	10.2		120	75-125			
Vinyl chloride	21.5	2.0	ppmv	19.6		110	55-135			
m,p-Xylenes	27.0	1.2	ppmv	23.0		117	75-125			
Di-isopropyl Ether (DIPE)	10.4	1.2	ppmv	12.0		87	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.7	1.3	ppmv	12.0		90	65-135			
Methyl-tert-butyl Ether (MTBE)	12.3	1.4	ppmv	13.9		89	60-135			
tert-Amyl Methyl Ether (TAME)	11.5	1.2	ppmv	12.0		96	60-135			
tert-Butanol (TBA)	90.2	17	ppmv	82.5		109	70-135			
Surrogate: 4-Bromofluorobenzene	*7.09*		*ppmv*	*6.99*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*5.41*		*ppmv*	*6.37*		*85*	*80-120*			
Surrogate: Toluene-d8	*12.0*		*ppmv*	*12.2*		*99*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11L1762 Extracted: 12/14/11										
Duplicate Analyzed: 12/14/2011 (11L1762-DUP1)					**Source: IUL1410-02**					
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	0.783	1.2	ppmv		0.742			5	20	

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.

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: Kent Vollmer

Project ID: 97-101, Shell
97-101, 20245 S Vermont, Torrance, CA
Report Number: IUL1361

Sampled: 12/13/11
Received: 12/13/11

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: 11L1762 Extracted: 12/14/11										
Duplicate Analyzed: 12/14/2011 (11L1762-DUP1)					**Source: IUL1410-02**					
Hexachlorobutadiene	ND	0.47	ppmv		ND				20	
Isopropylbenzene	ND	1.0	ppmv		ND				20	
p-Isopropyltoluene	ND	0.91	ppmv		0.168				20	
Methylene chloride	ND	1.4	ppmv		ND				20	
Naphthalene	ND	1.0	ppmv		ND				25	
n-Propylbenzene	0.216	1.0	ppmv		0.207			4	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	1.80	1.3	ppmv		1.74			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	1.36	1.0	ppmv		1.31			4	20	
1,3,5-Trimethylbenzene	0.431	1.0	ppmv		0.456			6	20	
Vinyl chloride	ND	2.0	ppmv		ND				30	
m,p-Xylenes	3.43	1.2	ppmv		3.42			0.1	20	
o-Xylene	1.19	1.2	ppmv		1.28			7	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	*7.17*		*ppmv*	*6.99*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*5.75*		*ppmv*	*6.37*		*90*	*80-120*			
Surrogate: Toluene-d8	*12.2*		*ppmv*	*12.2*		*100*	*80-120*			

TestAmerica 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: Kent Vollmer	Project ID: 97-101, Shell 97-101, 20245 S Vermont, Torrance, CA Report Number: IUL1361	Sampled: 12/13/11 Received: 12/13/11	

METHOD BLANK/QC DATA

Fixed Gases

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11L0120 Extracted: 12/15/11										
Blank Analyzed: 12/15/2011 (11L0120-BLK1)										
Carbon dioxide	ND	0.010	%(v/v)							
Carbon monoxide	ND	0.0010	%(v/v)							
Methane	ND	0.00020	%(v/v)							
Oxygen	ND	0.20	%(v/v)							
Nitrogen	ND	1.0	%(v/v)							
LCS Analyzed: 12/15/2011 (11L0120-BS1)										
Carbon dioxide	0.252	0.010	%(v/v)	0.2527		100	80-120			
Carbon monoxide	0.0104	0.0010	%(v/v)	0.01139		92	80-120			
Methane	0.0118	0.00020	%(v/v)	0.01266		93	80-120			
Oxygen	1.29	0.20	%(v/v)	1.261		103	80-120			
Nitrogen	5.17	1.0	%(v/v)	5.039		103	80-120			
LCS Dup Analyzed: 12/15/2011 (11L0120-BSD1)										
Carbon dioxide	0.252	0.010	%(v/v)	0.2527		100	80-120	0.1	20	
Carbon monoxide	0.0105	0.0010	%(v/v)	0.01139		92	80-120	0.8	20	
Methane	0.0118	0.00020	%(v/v)	0.01266		93	80-120	0.4	20	
Oxygen	1.29	0.20	%(v/v)	1.261		103	80-120	0.1	20	
Nitrogen	5.20	1.0	%(v/v)	5.039		103	80-120	0.6	20	

TestAmerica 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: Kent Vollmer	Project ID: Report Number:	97-101, Shell 97-101, 20245 S Vermont, Torrance, CA IUL1361	Sampled: 12/13/11 Received: 12/13/11

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.

TestAmerica 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	Project ID:	97-101, Shell	
2382 Southeast Bristol St., Ste. B		97-101, 20245 S Vermont, Torrance, CA	Sampled: 12/13/11
Newport Beach, CA 92660	Report Number:	IUL1361	Received: 12/13/11
Attention: Kent Vollmer			

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
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

Subcontracted Laboratories

TestAmerica Los Angeles

3585 Cadillac Ave., Suite A - Costa Mesa, CA 92626

Method Performed: ASTM D1946

Samples: IUL1361-01, IUL1361-02, IUL1361-03, IUL1361-04, IUL1361-05

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: Roger Shakely

- [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: _____

PAGE: _____ of _____

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		97-101 (Del Amo SVE/IBT)

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):	LAB USE ONLY
Kent Vollmer	(949) 261-8098	(949) 261-8097	kvollmer@c2rem.com		FVL 1361

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

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	12/13	11:40	Air	1 Tedlar														X	X						
	Carbon 1		11:45	Air	1 Tedlar														X	X						
	Post Ambient Air		11:50	Air	1 Tedlar														X	X						
	Inlet		11:55	Air	1 Tedlar														X	X						
	Post Ambient Air Dup		11:50	Air	1 Tedlar														X	X						TN 12/13/11 1836

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

RT

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	12/13/11	17:05
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

2011 IN-LINE SENSOR DATA
(NOT INCLUDED – AVAILABLE VIA CD ROM)

APPENDIX E

2011 CARBON REACTIVATION REPORT/CERTIFICATION

California Carbon Co., Inc.

2825 E. Grant St., Wilmington, CA 90744 (562)436-1962 Fax: (562)437-1217
e-mail: CCarbon2@aol.com

CERTIFICATE OF REACTIVATION

DATE: April 26, 2012

CUSTOMER: Baker Corporation
5500 Rawlings Ave.
South Gate, CA 90280

CUSTOMER'S REFERENCE: PROFILE # 012-353-B
REF : C2Rem

MATERIAL RECEVIED: January – December 2011
36 Supersacks Non-Hazardous Carbon
Received via customers truck

MATERIAL REACTIVATED: Calendar Year 2011

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, AND PLACED INTO OUR REACTIVATED VAPOR CARBON POOL FOR SALE.

CERTIFIED BY:

Richard Liu
Vice President

APPENDIX F

2011 INSPECTION FORMS

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: S Mc Geough

Title: Project Engineer

Sheet 1 of 11

Date: 1/3/11

Time: 10AM

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	4
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 2 of 11
Date: 1/3/11

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

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: S. Mc Gough.

Title: PE

Sheet 3 of 11

Date: 1/3/11

Time: 10.00 AM

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	
- 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 4 of 11

Date: 1/3/11

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

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: S. Mc Cead.

Title: PE

Sheet 5 of 11

Date: 7/3/2011

Time: 10AM

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	4
2. Ponding on Contoured Grade	3
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

SUBSURFACE WATER DRAINAGE INSPECTION FORM

Completed By: S. Mc Gough

Title: PE

Sheet 6 of 11

Date: 1/3/11

Time: 10AM

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) within a 24 hour period

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: S. Mc Clough

Title: PE

Sheet 7 of 11

Date: 1/3/2011

Time: 10AM

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 8 of 11
Date: 1/3/2011

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

ACCESS ROAD INSPECTION FORM

Completed By: S. Mc Gough

Title: PE

Sheet 9 of 11

Date: 1/3/2011

Time: 10AM

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

SVE/IBT SYSTEM INSPECTION FORM

Completed By: S. Mc Gough

Title: PE

Sheet 10 of 11

Date: 1/3/2011

Time: 10AM

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[3]	
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: 1/3/2011

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[4]	
	- 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) 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

COVER SYSTEM INSPECTION FORM

Completed By: IY

Title: PE

Sheet 1 of 11

Date: 3/10/11

Time: 11:00 AM

Type of Inspection (check only one):

(X) 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	4
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	3
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 2 of 11
Date: 3/10/11

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):

5. Continue observing, fill in some small areas and regrading may be needed

7. Contact vector control subcontractor, possibly increase frequency of visits

11. Continue observing, use stakes, cones, and tape to barricade portions of Site

(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

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: IY

Title: PE

Sheet 3 of 11

Date: 3/10/11

Time: 11:00 AM

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) 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	3
Condensate Collection[3]	
4. Air Moisture Separator	3
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 4 of 11

Date: 3/10/11

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. Continue observing slight rust on flanges, etc. (paint if necessary)

4. Rusty lid to air moisture separator, continue observing and replace if necessary

(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

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 5 of 11

Date: 3/10/11

Time: 11:00 AM

Type of Inspection (check only one):

(X) 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	4
2. Ponding on Contoured Grade	3
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):

2. Continue observing, fill and regrade some small areas if necessary.

3. Continue observing, watch for unauthorized traffic, use engineering controls

(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

SUBSURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 6 of 11

Date: 3/10/11

Time: 11:00 AM

Type of Inspection (check only one):

(X) 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):

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

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 7 of 11

Date: 3/10/11

Time: 11:00 AM

Type of Inspection (check only one):

(X) 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 8 of 11
Date: 3/10/11

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. Continue observing fencing (northwest portion of the Site) and replace sections when deemed necessary

(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

ACCESS ROAD INSPECTION FORM

Completed By: IY

Title: PE

Sheet 9 of 11

Date: 3/10/11

Time: 11:00 AM

Type of Inspection (check only one):

(X) 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):

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.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: IY

Title: PE

Sheet 10 of 11

Date: 3\10/11

Time: 11:00AM

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Manifold	Condition/Remarks
1. Adequate-Free Movement	Y
2. Seals - Complete	Y
3. Visible Damage	
4. Sniff for signs of leaks	Y
Condensate Collection [3]	
5. Air Moisture Separator	Y
Additional System Components	
6. Carbon Adsorber Vessels	
- Exterior Damage	Y
- Vessel Configuration (A-B or B-A)	A - B
7. Blowers	
- General Motor Maintenance	Y
- Drive Maintenance	Y
- Bearing Maintenance	Y
8. Oxygen Generator	
- Signs of Rust/Corrosion	Y
- Mechanical Functioning	Y
- Oxygen Purity	Y

DEL AMO WASTE PITS OU
SVE/IBT SYSTEM INSPECTION FORM

Sheet 11 of 11
Date: 3/10/11

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):

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) 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

COVER SYSTEM INSPECTION FORM

Completed By: S McGeough.

Title: PE

Sheet 1 of 11

Date: 3/21/11

Time: 11.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	4
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	3
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 2 of 11
Date: 3/21/2011

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

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: S. McGOUGH

Title: PE

Sheet 3 of 11

Date: 3/21/2011

Time: 11AM

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	2
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 4 of 11

Date: 3/21/2011

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):

LID ON AIR MOISTURE Separator RUSTED, TO B REPLACED

(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

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: S. Mc Clough

Title: PE

Sheet 5 of 11

Date: 3/21/2011

Time: 11 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	4
2. Ponding on Contoured Grade	3
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

SUBSURFACE WATER DRAINAGE INSPECTION FORM

Completed By: S. MC GEOUGH

Title: PE

Sheet 6 of 11

Date: 3/21/2011

Time: 11:00

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) within a 24 hour period

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: S. Mc Gough

Title: PE

Sheet 7 of 11

Date: 8/21/2011

Time: 11AM

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 8 of 11
Date: 3/21/2011

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

ACCESS ROAD INSPECTION FORM

Completed By: S. Mc Gough

Title: PE

Sheet 9 of 11

Date: 3/21/2011

Time: 11 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

SVE/IBT SYSTEM INSPECTION FORM

Completed By: S. Mc Gough

Title: PE

Sheet 10 of 11

Date: 3/21/2011

Time: 1144

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)	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: 3/21/2011

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	4
10.	SVE Wellheads[4]	
	- 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) 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

COVER SYSTEM INSPECTION FORM

Completed By: IY

Title: PE

Sheet 1 of 11

Date: 6/8/11

Time: 10:00 AM

Type of Inspection (check only one):

(X) 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	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	3
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 2 of 11
Date: 6/8/11

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. Continue observing, run aboveground irrigation during dry months as needed

11. Continue observing, areas to east with some tire tracks from heavy machinery

(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

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: IV

Title: PE

Sheet 3 of 11

Date: 6/8/11

Time: 10:00 AM

Type of Inspection (check only one):

(X) 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	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 4 of 11

Date: 6/8/11

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. Continue observing, slight rust on some components of GCTS.

(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

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 5 of 11

Date: 6/8/11

Time: 10:00AM

Type of Inspection (check only one):

(X) 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	4
2. Ponding on Contoured Grade	4
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):

3. Continue observing, watch for unauthorized traffic, use engineering controls

(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

SUBSURFACE WATER DRAINAGE INSPECTION FORM

Completed By: IV

Title: PE

Sheet 6 of 11

Date: 6/8/11

Time: 10:00 AM

Type of Inspection (check only one):

(X) 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):

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

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: IY

Title: PE

Sheet 7 of 11

Date: 6/8/11

Time: 10:00 AM

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition/Remarks
Perimeter Fence	
1. Breaks and Holes	2
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 8 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. Found break in section of fencing on south side of property
Will be repaired immediately.

4. Continue observing fencing (northwest portion of the Site) and replace sections when deemed necessary

(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

ACCESS ROAD INSPECTION FORM

Completed By: IY

Title: PE

Sheet 9 of 11

Date: 6/8/11

Time: 10:00 AM

Type of Inspection (check only one):

(X) 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):

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.

DEL AMO WASTE PITS OU

SVE/IBT SYSTEM INSPECTION FORM

Completed By: IV

Title: PE

Sheet 10 of 11

Date: 6/8/11

Time: 10:00 AM

Type of Inspection (check only one):

(X) 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: 6/8/11

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	2
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):

9. Some system meters required calibration or new sensors (maintenance will be performed as soon as possible).

(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

COVER SYSTEM INSPECTION FORM

Completed By: KV

Title: PM

Sheet 1 of 11

Date: 9/7/11

Time: 9:00 AM

Type of Inspection (check only one):

(X) 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	4
8.	Weeds or Undesirable Vegetation	4
9.	Evidence of Fires or Vandalism	4
10.	Soil Quality Check	4
11.	Unauthorized Traffic	3
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 2 of 11
Date: 9/7/11

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. Continue to run the aboveground irrigation system until rainy season.

11. Continue observing, use engineering controls, maintain some areas if 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

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: KV

Title: PM

Sheet 3 of 11

Date: 9/7/11

Time: 9:00 AM

Type of Inspection (check only one):

(X) 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	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 4 of 11

Date: 9/7/11

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. Continue observing rust and removed if it becomes a problem

(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

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: KV

Title: PM

Sheet 5 of 11

Date: 9/7/11

Time: 9:00 AM

Type of Inspection (check only one):

(X) 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	4
2. Ponding on Contoured Grade	4
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):

3. Continue observing and maintain if necessary

(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

SUBSURFACE WATER DRAINAGE INSPECTION FORM

Completed By: KV

Title: PM

Sheet 6 of 11

Date: 9/7/11

Time: 9:00 AM

Type of Inspection (check only one):

(X) 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) within a 24 hour period

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: KV

Title: PM

Sheet 7 of 11

Date: 9/7/11

Time: 9:00AM

Type of Inspection (check only one):

(X) 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 8 of 11
Date: 9/7/11

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. Continue observing rust of perimeter fencing along northwest side of the Site.

(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

ACCESS ROAD INSPECTION FORM

Completed By: KV

Title: PM

Sheet 9 of 11

Date: 9/7/11

Time: 9:00 AM

Type of Inspection (check only one):

(X) 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

SVE/IBT SYSTEM INSPECTION FORM

Completed By: KV

Title: PM

Sheet 10 of 11

Date: 9/7/11

Time: 9:00 AM

Type of Inspection (check only one):

(X) 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)	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: 9/7/11

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

COVER SYSTEM INSPECTION FORM

Completed By: KV

Title: PM

Sheet 1 of 11

Date: 12/8/11

Time: 11:30 AM

Type of Inspection (check only one):

(X) 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	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	3
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 2 of 11
Date: 12/8/11

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):

11. Continue observing, use engineering, repair some areas with tire tracks to remove ruts and uneven ground

(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

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: KV

Title: PM

Sheet 3 of 11

Date: 12/8/11

Time: 11:30 AM

Type of Inspection (check only one):

(X) 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	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 4 of 11

Date: 12/8/11

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. Continue observing rust and remediate if necessary

(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

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: KV

Title: PM

Sheet 5 of 11

Date: 12/8/11

Time: 11:30AM

Type of Inspection (check only one):

(X) 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	4
2. Ponding on Contoured Grade	4
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):

3. Repair ruts to remove uneven ground from walking areas.

(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

SUBSURFACE WATER DRAINAGE INSPECTION FORM

Completed By: KV

Title: PM

Sheet 6 of 11

Date: 12/8/11

Time: 11:30 AM

Type of Inspection (check only one):

(X) 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) within a 24 hour period

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: KV

Title: PM

Sheet 7 of 11

Date: 12/8/11

Time: 11:30 AM

Type of Inspection (check only one):

(X) 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 8 of 11

Date: 12/8/11

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. Continue observing northwest portion of perimeter fencing.

(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

ACCESS ROAD INSPECTION FORM

Completed By: KV

Title: PM

Sheet 9 of 11

Date: 12/8/11

Time: 11:30 AM

Type of Inspection (check only one):

(X) 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

SVE/IBT SYSTEM INSPECTION FORM

Completed By: KV

Title: PM

Sheet 10 of 11

Date: 12/8/11

Time: 11:30 AM

Type of Inspection (check only one):

(X) 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)	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: 12/8/11

9.	System Sensors	
	- Visible Damage	4
	- Mechanical Functioning	2
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):

9. Some system meters require maintainenance and/or calibration.

(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.

APPENDIX G

2011 GROUNDWATER FIELD DATA SHEETS

BBC ENVIRONMENTAL, INC.

3593 Adams Avenue, San Diego, CA 92116

February 24, 2011

Mr. Ian Yusko
C_2REM
2382-B SE Bristol Street
Newport Beach, Ca 92660
Via Email: Mr. Ian Yusko < IYusko@C2rem.com >

RE: TRANSMITTAL OF THE GROUNDWATER SAMPLING FIELD DATA SHEETS FOR THE FEBRUARY, 2011 GROUNDWATER SAMPLING EVENT PERFORMED AT THE DEL AMO WASTE PITS LOCATED IN TORRANCE, CA.

Mr. Yusko:

Please find enclosed the field data sheets from the first quarter 2011 groundwater monitoring and sampling event performed by BBC Environmental, Inc. at the above referenced location on February 18th, 2011.

Should you have any questions with regards to this project, please do not hesitate to contact me directly at (619) 546-7165.

Thank you,
BBC ENVIRONMENTAL, INC.

Mr. Stephen Jeltema
Environmental Scientist

Enclosures(2): Groundwater Sampling Field Data Sheets, dated February 18, 2011
Groundwater Gauging Sheet dated February 18, 2011

Telephone (619) 546-7165 Fax (619) 546-7175

Del Amo Waste Pits
20245 S. Vermont Avenue
Torrance, CA

Date: 2/18/2011
Time: 07:50 - 13:30
Technician: SMJ / WBC

Well I.D.	DTP (ft)	DTW (ft)	Total Depth (ft)	Sampling Time	Well Box Description	Survey Point	Comments
PZL 0018	ND	43.24	68.0	9:05	M/D 2-3/4"	BM @ TOC	Notch to North / 2" Well Casing
PZL 0019	ND	49.72	65.4	13:40	M/D 2-3/4"	BM @ TOC	18" Well Box
PZL 0020	ND	45.61	67.8	14:12	E/W 2-15/16"	Top of Discharge Fitting to N	
PZL 0022	ND	43.14	62.0	12:49	Monument	Top of Discharge Fitting to N	2" Well Casing
PZL 0024	--	--	--	--	Monument	--	Pump Stuck in Well - Pump not operable
PZL 0025	--	--	--	--	Monument	--	Pump Stuck in Well - Pump not operable
SWL 0008	ND	41.13	60.8	11:00	DWP 2-1/4"	Top of Discharge Fitting to N	
SWL 0044	ND	46.57	67.1	10:03	Monument	Notch @ TOC	No Lock
SWL 0051	ND	36.86	57.2	12:12	E/W 2-15/16"	Top of Discharge Fitting to N	
XMW 29	ND	48.72	63.5	8:50	DWP 2-1/4"	BM on Discharge Fitting	Well Lid Screws Replaced This event/ Watch for Aggressive Dogs
XP 02	ND	44.81	76.2	12:20	DWP 2-1/4"	BM on Discharge Fitting	Well Lid Screws Replaced This event

NOTES: XMW - 29 Gauged by SMJ/WBC; Δ=0.01' ; TOC = Top of Casing, BM = Black Mark
Equipment Blank:
Duplicate-1: SWL0051

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits Location 20245 S. Vermont Ave. Torrance, CA Project # Del Amo.1	☐ Monitoring Only ☐ Free Product Pump out Only ☑ Monitoring and Sampling ☐ _____
BBC Personnel Onsite / Times Contractor Personnel / Times	S.Jeltema / W.Craig Ar. 0645 /Dep. 1515 I. Yusko / Beamus - CZ REM Ar. 0700 /Dep. D. Myers - URS Ar. 0710 /Dep. 1300
Monitoring Times / Order Purging Times / Order Sampling Times / Order	XMW-29, PZL0018, XP02, PZL0019, SWL0044, SWL0008, (See Field Sheets) ↳ SWL0051, PZL0020 (See Field Sheets)
Monitoring Equipment	☑ Interface Probe (Sol / Her / ORS) ☐ Water Level Meter ☐ Hanna _____(pH/Cond/Temp/ORP) ☐ Orion (Cond) ☑ In-Situ Troll ~~Flow Cell~~ (DO) _____ ☐ Hach (Turb) ☐ ICM- Dissolved Oxygen Meter _____
Purging Method/ Equipment	☐ Bailer ☑ Pump (Type:Grundfos) ☐ Bladder Pump ☐ Borehole Vol. ☑ Casing Vol. ☐ Low Flow ☐ Non-Purge
Borehole Volume:	BV(Gal) = 0.041 [CD^2 + P (BD^2 – CD^2)](WC) P = Assumed Porosity of 0.25
Casing Volume Multiplier	2" (0.17) 4" (0.65) 6" (1.5)
Purge Volume Readings	☑ Flow Meter ☐ Graduated Container
Decon Method	☑ 3 Stage ☐ Other (_____)
Field Duplicate Collected From	
Purge Water Destination	☐ Barrels On-Site (# of ___) ☑ AST On-Site ☐ Sanitary Sewer (Permit # _____) ☐ Treatment Facility (_____)
Notes / Comments	NOTE: FLOW CELL NOT USED; DO = SNAPSHOT Total Volume Purged This Event: ~343.4 gal Total Volume Purged (2011): ~343.4 gal
Well Repair	RFII PUMPS PULLED FROM XP-02, PZL0020 HARTING Cx REPAIRED / REPLACED @ XMW-29, XP-02, SWL0051, PZL0020, SWL0044
Signature [signature]	Date 02- 18 -11 Page 1 of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL-0018 | **Sampled By** SMJ/WBC

Well Information Well Survey Point Notch on TOC to North

Casing Material PVC
Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) 65.0
Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) —
Casing Vol 16.1 Borehole Vol ----------
Depth to Product (ft) ND
Actual Purge Volume 63.6 (Gal)
Depth to Water (ft) (DTW) 43.24
Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 24.76
Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☑ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☑ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off ϕ # of Bolts Missing ϕ ☑ Cap ☑ Lock (Not fx)

Ext. Seal Condition ☐ Good ☑ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☑ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0825	ϕ	19.43	6.77	2172	42.0	5.32	SLIGHT ORG.
0831	16.1	20.37	6.71	2581	36.4	5.40	CLEAR/NONE
0840	32.2	20.32	6.73	2894	4.4	6.41	CLEAR/NONE
0849	48.3	20.62	6.69	3025	7.0	6.35	" / "
0854	57.1	20.67	6.70	3051	6.8	6.34	" / "
0859	63.6	20.66	6.69	3055	5.8	6.15	" / "
0859	STOPPED PURGING						

Pumping Rate 1.8 GPM | 80% Recharge 48.19 | Sample Time 0905

Max Drawdown 51.65 | Recovery Depth 46.20 @ 0903 | Field Duplicate Y / N

Notes: DEPTH TO PUMP SET = 66.6 MS/MSD CONNECTED
Recovery Rate: FAST (*) Female/Female Converter Req'd
Hz 120 Replaced Cap ☐ Replaced Lock ☐

Signature W. B. Cicero | Date 02-18-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL-0019 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC
Constructed Well Depth (ft) 65.4
Measured Well Depth (ft) —
Depth to Product (ft) —
Depth to Water (ft) (DTW) 48.72
Water Column (ft) (WC) 15.68

Casing Diameter (in.)(CD) 2"
Borehole Diameter (in.)(BD) 8"
Casing Vol 2.7 Borehole Vol ----------
Actual Purge Volume 13.0 (Gal)
Product / Water Removed — / — (Gal)
Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☑ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: 18" Well Box

Well Box Security # of Bolts 3 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☑ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off ____ # of Bolts Missing ____ ☐ Cap ☐ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1302	ϕ	21.12	6.47	3753	32.8	4.22	Grey / Str. Orgl.
1307	2.7	28.93	6.49	4095	12.9	3.64	" / "
1313	5.4	28.64	6.48	4153	13.8	3.89	Clear / Chem. Odor
1319	8.1	28.42	6.47	4157	12.6	4.06	" / "
1324	10.6	28.33	6.47	4240	11.9	4.03	" / "
1329	13.0	28.45	6.46	4266	12.8	4.06	" / "
1329	Stopped Purging						

Pumping Rate ~0.5 GPM | 80% Recharge 52.86 | Sample Time 1340
Max Drawdown 58.15 | Recovery Depth 52.70 @ 1337 | Field Duplicate Y / N

Notes: 18" MD Box; 4 inch riser - 2" well casing below
Recovery Rate: Fast (*) Female/Female Converter Req'd.
Hz 175 Replaced Cap ☐ Replaced Lock ☐

Signature W. B. Cooke | Date 02-18-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZ0020 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point: Top of Discharge to N

Casing Material: PVC | Casing Diameter (in.)(CD): 2"

Constructed Well Depth (ft): NP | Borehole Diameter (in.)(BD): 8"

Measured Well Depth (ft): 67.8 | Casing Vol: 3.8 | Borehole Vol: ----------

Depth to Product (ft): ND | Actual Purge Volume: 13.9 (Gal)

Depth to Water (ft) (DTW): 45.61 | Product / Water Removed: — / — (Gal)

Water Column (ft) (WC): 22.37 | Color Of Product: —

Well Box Type and Location | ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security | # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☒ 15/16" ☐ _____

# of Bolts Broken Off 0 | # of Bolts Missing 0 | ☒ Cap ☐ Lock

Ext. Seal Condition | ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height | ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1353	0	17.49	6.52	4413	356.9	4.00	tan/no odor
1357	3.8	17.38	6.50	4437	352.3	3.64	" / "
1400	7.5	19.24	6.52	4837	132.8	3.71	" / "
1405	11.3	20.34	6.53	5007	46.8	4.01	" / "
1410	13.9	20.26	6.51	5017	48.1	3.87	" / "
1410	13.9	Stopped Purging					

Pumping Rate 0.8 GPM | 80% Recharge 50.05 | Sample Time 1412

Max Drawdown — | Recovery Depth 45.66 @ 1411 | Field Duplicate Y / (N)

Notes: observed Ground fault / Field repair unsuccessful / used BBC RFZ. - Pump @ CZREM

Recovery Rate: Fast

Hz 185 | Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 02-18-11 | Page of

Groundwater Sampling Field Data Sheet Page

@ requires F/F Harbing - Pig Tail Adapter

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0022 | **Sampled By** SMJ/WBC

Well Information Well Survey Point TOC to N

Casing Material PVC
Constructed Well Depth (ft) 62.0
Measured Well Depth (ft) n/a - obt
Depth to Product (ft) NP
Depth to Water (ft) (DTW) 43.14
Water Column (ft) (WC) 18.86

Casing Diameter (in.)(CD) 2"
Borehole Diameter (in.)(BD) 8"
Casing Vol 3.2 Borehole Vol ----------
Actual Purge Volume 13.1 (Gal)
Product / Water Removed — / — (Gal)
Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts Ø ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off Ø # of Bolts Missing Ø ☒ Cap ☒ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1233	Ø	21.34	6.66	2208	59.9	2.69	Urban/Slight
1237	3.2	21.11	6.66	2143	23.4	2.73	" / "
1239	6.4	21.98	6.64	2147	7.1	2.94	Clear / "
1243	9.6	21.98	6.65	2188	3.7	2.55	" / "
1248	13.1	22.04	6.65	2178	2.6	2.61	" / "
1248	13.1	Stopped Purging					

Pumping Rate 40.9 GPM | 80% Recharge 46.91 | Sample Time 1249

Max Drawdown — | Recovery Depth 43.65 @ 1249 | Field Duplicate Y / N

Notes:
Recovery Rate: Fast
Hz 185 / 170 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 02- 18 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** [illegible] | **Sampled By** SMJ/WBC

Well Information | Well Survey Point: Top of Discharge Port to N

Casing Material: PVC | Casing Diameter (in.)(CD): 4"

Constructed Well Depth (ft): ~~BNP~~ | Borehole Diameter (in.)(BD): 10"

Measured Well Depth (ft): 60.78 | Casing Vol: 12.8 | Borehole Vol: ----------

Depth to Product (ft): ND | Actual Purge Volume: 38.4 (Gal)

Depth to Water (ft) (DTW): 41.13 | Product / Water Removed: — / — (Gal)

Water Column (ft) (WC): 19.67 | Color Of Product: —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☒ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☒ Allen

# of Bolts Broken Off 0 # of Bolts Missing 1 ☒ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☒ Fair ☐ Poor (_____) ☒ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1037	0	20.03	6.81	2276	1758	3.27	H2O/slight
1044	12.8	20.84	6.81	2291	563	1.61	" / "
1051	25.6	21.52	6.79	2295	1812	2.05	" / "
1058	38.4	21.16	6.81	2308	174	1.89	" / "
1058	38.4	Stopped Purging					
	1.8						

Pumping Rate ~~[illegible]~~ GPM | 80% Recharge 45.06 | Sample Time 1100

Max Drawdown — | Recovery Depth 42.03 @ 1059 | Field Duplicate Y / N

Notes: _____

Recovery Rate: Fast

Hz 225 / 235

Replaced Cap ☐ Replaced Lock ☐

Signature [illegible] | Date 02-18-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SW100044 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to Notch (W)

Casing Material PVC | Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) ND (655) | Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 671 | Casing Vol 13.3 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 40.0 (Gal)

Depth to Water (ft) (DTW) 46.57 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 20.53 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts Ø ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off Ø # of Bolts Missing Ø ☒ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0936	Ø	20.34	6.73	2234	12.8	5.11	Clear/Solvent (Bubbly)
0940	13.3	19.86	6.77	2218	7.3	4.86	" /Slight => solvent
0951	26.7	20.41	6.78	2243	3.0	4.71	" / " => "
0958	40.0	20.45	6.78	2250	4.6	4.69	" / " => "
0958	40.0	Stopped Purging					

Pumping Rate 1.25 GPM | 80% Recharge 50.68 | Sample Time 1003

Max Drawdown — | Recovery Depth 47.20 @ 1003 | Field Duplicate Y / N

Notes:

Recovery Rate: Med/Fast

Hz 1185 1205 1215 1235 | Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 02-18-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0051 | **Sampled By** SMJ/WBC

Well Information Well Survey Point Top of Discharge Part to N

Casing Material PVC
Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) NP
Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) 57.2
Casing Vol 13.2 Borehole Vol ----------
Depth to Product (ft) ND
Actual Purge Volume 39.7 (Gal)
Depth to Water (ft) (DTW) 36.86
Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 20.34
Color Of Product —

Well Box Type and Location ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off 0 # of Bolts Missing 0 ☒ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☒ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1128	0	20.30	6.89	2597	788.1	1.63	Brown-red/slight
1136	13.2	21.36	6.92	2598	154.6	2.34	tan / "
1146	26.4	21.68	6.90	2571	138.1	1.76	" / "
1154	39.7	21.47	6.90	2514	142.6	1.81	" / "
1154	39.7	Stopped		Purging			

Pumping Rate 4.5 GPM | 80% Recharge 40.93 | Sample Time 1212

Max Drawdown — | Recovery Depth 40.93 @ 1212 | Field Duplicate Y / N

Notes: Hatching Connector Corroded / replaced w/ new mate Connector ⇒ Pump operational
Recovery Rate: Fast Duplicate - 1
Hz 215 ↓185 ↑195 ↓190 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 02- 18 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XMW-29 | **Sampled By** SMJ/WBC

Well Information Well Survey Point Top of Discharge Port to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) ND (750) | Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 63.5 | Casing Vol 9.6 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 28.8 (Gal)

Depth to Water (ft) (DTW) 48.72 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 14.78 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☑ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off 0 # of Bolts Missing 2 ☑ Cap ☐ Lock JMW Cap

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0801	0	19.30	6.65	1112	30.2	1.96	Clear/none
0810	9.6	20.27	6.65	9745	18.7	2.62	" / "
0822	19.2	19.88	6.76	9480	16.5	4.08	clear/none
0833	28.8	19.43	6.77	9522	16.2	4.05	" / "
0833	28.8	Stopped Purging					

Pumping Rate 0.9 GPM | 80% Recharge 51.68 | Sample Time 0850

Max Drawdown — | Recovery Depth 51.68 @ 0849 | Field Duplicate Y / N

Notes: David of URS to top Screw receiver & replace Bolts/watch for Homeless & Aggressive Dogs

Recovery Rate: Fast

Hz 7.05 / 1.95 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 02-18-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XP-02 | **Sampled By** SMJ/WBC

Well Information Well Survey Point Bm @ Top of Disch - Ring

Casing Material	PVC	Casing Diameter (in.)(CD)	4"
Constructed Well Depth (ft)	76.8	Borehole Diameter (in.)(BD)	10"
Measured Well Depth (ft)	–	Casing Vol 20.4	Borehole Vol ----------
Depth to Product (ft)	ND	Actual Purge Volume	92.9 (Gal)
Depth to Water (ft) (DTW)	44.81	Product / Water Removed	– / – (Gal)
Water Column (ft) (WC)	31.39	Color Of Product	–

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☑ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: BEHIND Nippon Express

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☑ ALLEN

# of Bolts Broken Off ∅ # of Bolts Missing ∅ ☑ Cap ☐ Lock INW FITTED CAP

Ext. Seal Condition ☐ Good ☐ Fair ☑ Poor (ASPHALT OVER) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☑ Poor (ASPHALT OVER) ☑ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1115 ~~1002~~	∅	18.57	7.02	1117	357.6	6.32	GREY / NONE
1127	20.4	20.41	7.10	1066	89.5	5.20	" / "
1138	40.8	20.54	6.91	1069	127.3	5.48	" / "
1150	61.2	20.80	6.93	1072	130.0	5.20	" / "
1155	69.7	20.29	6.92	1076	101.8	5.49	" / "
1200	77.1	20.88	6.94	1076	83.9	6.39	" / "
1205	85.2	21.04	6.94	1070	78.4	5.89	" / "
1210	92.9	21.14	6.90	1081	80.2	5.43	" / "
1210	STOPPED PURGING						

Pumping Rate ~1.7 GPM | 80% Recharge 51.09 | Sample Time 1220

Max Drawdown 55.93 | Recovery Depth 51.09 @ 1217 | Field Duplicate Y / N

Notes: PULLED DED. RFZ AFTER FIELD REPAIR UNSUCCESSFUL

Recovery Rate: FAST - URS HAS PUMP

Hz 200 Replaced Cap ☐ Replaced Lock ☐

Signature W. B. [signature] | Date 02- 18 -11 | Page of

BBC ENVIRONMENTAL, INC.

3593 Adams Avenue, San Diego, CA 92116

March 25, 2011

Mr. Ian Yusko
C_2REM
2382-B SE Bristol Street
Newport Beach, Ca 92660
Via Email: Mr. Ian Yusko < IYusko@C2rem.com >

RE: TRANSMITTAL OF THE GROUNDWATER SAMPLING FIELD DATA SHEETS FOR THE RE-SAMPLE OF PZL0018 PERFORMED MARCH, 2011 AT THE DEL AMO WASTE PITS LOCATED IN TORRANCE, CA.

Mr. Yusko:

Please find enclosed the groundwater sampling field data sheets for well ID PZL0018 performed by BBC Environmental, Inc. at the above referenced location on March 18th, 2011.

Should you have any questions with regards to this project, please do not hesitate to contact me directly at (619) 546-7165.

Thank you,
BBC ENVIRONMENTAL, INC.

Mr. Stephen Jeltema
Environmental Scientist

Enclosures(1): Groundwater Sampling Field Data Sheets, dated March 18, 2011

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits Location 20245 S. Vermont Ave. Torrance, CA Project # Del Amo.1	☐ Monitoring Only ☐ Free Product Pump out Only ☑ Monitoring and Sampling ☐
BBC Personnel Onsite / Times	S.Jeltema / ~~W.Craig~~ Ar. 0730 /Dep. 0900
Contractor Personnel / Times	I. Yusko / Shinto - CZREM Ar. 0730 /Dep.
	Ar. — /Dep. —
Monitoring Times / Order	PZL0018 / 0750-0750
Purging Times / Order	PZL0018 / 0802 - 0817
Sampling Times / Order	PZL0018 / 0820
Monitoring Equipment	☑ Interface Probe (Sol / Hen / ORS) ☐ Water Level Meter ☐ Hanna _____(pH/Cond/Temp/ORP) ☐ Orion (Cond) ☑ In-Situ Troll Flow Cell 32046 ☐ Hach (Turb) ☐ ICM- Dissolved Oxygen Meter _____
Purging Method/ Equipment	☐ Bailer ☑ Pump (Type:Grundfos) ☐ Bladder Pump ☐ Borehole Vol. ☑ Casing Vol. ☐ Low Flow ☐ Non-Purge
Borehole Volume:	BV(Gal) = 0.041 [CD^2 + P (BD^2 – CD^2)](WC) P = Assumed Porosity of 0.25
Casing Volume Multiplier	2" (0.17) 4" (0.65) 6" (1.5)
Purge Volume Readings	☑ Flow Meter ☐ Graduated Container
Decon Method	☑ 3 Stage ☐ Other ( )
Field Duplicate Collected From	
Purge Water Destination	☐ Barrels On-Site (# of ___) ☑ AST On-Site ☐ Sanitary Sewer (Permit #) ☐ Treatment Facility ( )
Notes / Comments	Resample of PZL0018 Total Volume Purged This Event: ~16.9 gal Total Volume Purged (2011): ~360.3 gal
Well Repair	
Signature [signature]	Date ~~02~~ 03 - 18 -11 Page 1 of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0018 | **Sampled By** SMJ/~~ABC~~

Well Information Well Survey Point TOC @ Notch

Casing Material	Pvc	Casing Diameter (in.)(CD)	2"
Constructed Well Depth (ft)	68.0	Borehole Diameter (in.)(BD)	8"
Measured Well Depth (ft)	–	Casing Vol 4.2	Borehole Vol ----------
Depth to Product (ft)	ND	Actual Purge Volume	16.9 (Gal)
Depth to Water (ft) (DTW)	43.19	Product / Water Removed	– / – (Gal)
Water Column (ft) (WC)	24.81	Color Of Product	–

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☒ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off Ø # of Bolts Missing Ø ☒ Cap ☒ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0802	Ø	17.65	6.50	3151	453.1	6.07	tan/none/organic
0806	4.2	19.46	6.85	1913	51.5	5.12	"/"
0811	8.4	20.26	6.74	1964	16.9	4.65	Clear/none
0814	12.6	20.22	6.72	2059	9.3	4.66	"/"
0817	16.9	20.51	6.71	2167	4.6	4.70	"/"
0817	16.9	Stopped Purging					

Pumping Rate 4.1 GPM | 80% Recharge 48.19 | Sample Time 0820

Max Drawdown – | Recovery Depth 44.19 @ 0819 | Field Duplicate ☒ / N

Notes: Field Duplicate ~~MS/MSD~~ @ 0830

Recovery Rate: Fast Fem/Female Conn to req'd collected

Hz 190 ↓ 180 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date ~~02~~ 03 - 18 -11 | Page of

BBC ENVIRONMENTAL, INC.

3593 Adams Avenue, San Diego, CA 92116

June 10, 2011

Mr. Ian Yusko
C_2REM
2382-B SE Bristol Street
Newport Beach, Ca 92660
Via Email: Mr. Ian Yusko < IYusko@C2rem.com >

RE: TRANSMITTAL OF THE GROUNDWATER SAMPLING FIELD DATA SHEETS FOR THE JUNE 2011 GROUNDWATER SAMPLING EVENT PERFORMED AT THE DEL AMO WASTE PITS LOCATED IN TORRANCE, CA.

Mr. Yusko:

Please find enclosed the field data sheets from the second quarter 2011 groundwater monitoring and sampling event performed by BBC Environmental, Inc. at the above referenced location on June 8th, 2011.

Should you have any questions with regards to this project, please do not hesitate to contact me directly at (619) 546-7165.

Thank you,
BBC ENVIRONMENTAL, INC.

W. B. Cooper for:

Mr. Stephen Jeltema
Environmental Scientist

Enclosures(2): Groundwater Gauging Sheet dated June 8, 2011
Groundwater Sampling Field Data Sheets dated June 8, 2011

Del Amo Waste Pits
20245 S. Vermont Avenue
Torrance, CA

Date: 6/8/2011
Time: 0830 - 1330
Technician: SMJ / WBC

Well I.D.	DTP (ft)	DTW (ft)	Previous DTW (ft)	Total Depth (ft)	Sampling Time	Well Box Description	Survey Point	Comments
PZL 0018	ND	42.79	43.24	68.0	1222	M/D 2-3/4"	BM @ TOC	2" Well Casing
PZL 0019	ND	49.59	49.72	65.4	1412	M/D 2-3/4"	BM @ TOC	2" Well Casing
PZL 0020	ND	45.51	45.61	67.8	1310	E/W 2-15/16"	TOC to N	2" Well Casing
PZL 0022	ND	42.96	43.14	62.0	1030	Monument	BM @ TOC	2" Well Casing
PZL 0024	ND	44.92	--	--	1135	Monument	BM @ TOC	
PZL 0025	ND	47.48	--	--	1123	Monument	TOC to N	
SWL 0008	ND	40.92	41.13	60.8	1008	DWP - Allen Bolts	TOC to N	
SWL 0044	ND	46.30	46.57	67.4	1250	Monument	Notch @ TOC	No Lock / No Locking Lid
SWL 0051	ND	36.53	36.86	57.2	0922	E/W 2-15/16"	TOC to N	
XMW 29	ND	48.54	48.72	73.2	1405	DWP - Phillips Head	TOC to N	Watch for Aggressive Dogs
XP 02	ND	44.61	44.81	76.4	0930	DWP - Allen Bolts	BM @ TOC	

NOTES: TOC = Top of Casing, BM = Black Mark
Equipment Blank: Collected at End of Day
Duplicate-1: PZL0020

XMW-29 Located North of Powerlines, Approx 40 ft NE of NE Leg of Tower 1033F

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits Location 20245 S. Vermont Ave. Torrance, CA Project # Del Amo.2	☐ Monitoring Only ☐ Free Product Pump out Only ☑ Monitoring and Sampling ☐ _____

BBC Personnel Onsite / Times	S.Jeltema / W.Craig	Ar. 0700	/Dep. 1515
Contractor Personnel / Times	IAN/KENT/SERMILA	Ar. 0700	/Dep. —
	SHELL / AECOM	Ar.	/Dep.

Monitoring Times / Order	0830-1330 / XP-02,22,24,44,29; 51,8,25,18,20,19
Purging Times / Order	0842-1359 / (SEE FIELD SHEETS)
Sampling Times / Order	0922-1412 / 51,02,8,22,25,24,18,44,20,29,19

Monitoring Equipment	☑ Interface Probe (Sol / Her / ORS) ☐ Water Level Meter ☑ Hanna _____(pH/Cond/Temp/ORP) ☐ Orion (Cond) ☐ In-Situ Troll Flow Cell _____ ☑ Hach (Turb) ☑ ICM- Dissolved Oxygen Meter _____
Purging Method/ Equipment	☐ Bailer ☑ Pump (Type:Grundfos) ☐ Bladder Pump ☐ Borehole Vol. ☑ Casing Vol. ☐ Low Flow ☐ Non-Purge
Borehole Volume:	BV(Gal) = 0.041 [CD^2 + P (BD^2 – CD^2)](WC) P = Assumed Porosity of 0.25
Casing Volume Multiplier	2" (0.17) 4" (0.65) 6" (1.5)
Purge Volume Readings	☑ Flow Meter ☐ Graduated Container
Decon Method	☑ 3 Stage ☐ Other (_____)
Field Duplicate Collected From	
Purge Water Destination	☐ Barrels On-Site (# of ___) ☑ AST On-Site ☐ Sanitary Sewer (Permit # _____) ☐ Treatment Facility (_____)
Notes / Comments	TWO NEW WELL CONSTRUCTIONS @ PZL0024 + PZL0025 Total Volume Purged This Event: ~ 416 GALS Total Volume Purged (2011): ~ 776 GALS
Well Repair	WATCH FOR 4" PUMP TOPPER ON 2" CASING

Signature W. B. Craig	Date 06- 08 -11	Page 1 of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZ60018 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC — Casing Diameter (in.)(CD) 2"
Constructed Well Depth (ft) 680 — Borehole Diameter (in.)(BD) 8"
Measured Well Depth (ft) — — Casing Vol 4.3 — Borehole Vol ----------
Depth to Product (ft) ND — Actual Purge Volume 129 (Gal)
Depth to Water (ft) (DTW) 427.9 — Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 252.1 — Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☑ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☑ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off Ø # of Bolts Missing Ø ☑ Cap ☐ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☑ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1206	Ø	21.8	7.5	1270	539	1.9	clear/none
1211	4.3	22.3	7.2	1320	@ 275	1.6	" / "
1215	8.6	22.6	7.3	1370	760	1.0	" / "
1220	12.9	22.5	7.2	1380	486	1.1	" / "
1220	12.9	Stopped	Purging				

Pumping Rate ~0.9 GPM | 80% Recharge 427.3 | Sample Time 1222
Max Drawdown — | Recovery Depth 444.5 @ 1222 | Field Duplicate Y / (N)

Notes: located in line w/ cut Palm opposite side of Fence
Recovery Rate: Fast
Hz 17.6 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 06- 08 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** ~~P20019~~ | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 2"
Constructed Well Depth (ft) 65.4 | Borehole Diameter (in.)(BD) 8"
Measured Well Depth (ft) ~~[illegible]~~ | Casing Vol ~~[illegible]~~ 2.7 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 8.1 (Gal)
Depth to Water (ft) (DTW) 49.59 | Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 15.81 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☑ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 3 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☑ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off 0 # of Bolts Missing 0 ☑ Cap ☐ Lock no lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
13:49	0	27.0	6.5	4000	762	2.2	Clear/Strong
13:53	2.7	29.8	6.9	3400	878	2.0	" / "
13:56	5.4	29.5	6.8	3600	623	1.9	" / "
13:59	8.1	29.8	6.9	3700	634	1.8	" / "
13:59	8.1	Stopped Purging					

Pumping Rate 0.8 GPM | 80% Recharge 52.75 | Sample Time 1412

Max Drawdown — | Recovery Depth 52.75 @ 1412 | Field Duplicate Y / N

Notes:
Recovery Rate: Fast
Hz 175 & 185
Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 06- 08 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZ00220 | **Sampled By** SMJ/WBC

Well Information Well Survey Point Top of Casing to N

Casing Material PVC | Casing Diameter (in.)(CD) 2"
Constructed Well Depth (ft) ND | Borehole Diameter (in.)(BD) 8"
Measured Well Depth (ft) 67.7 | Casing Vol 3.8 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 15.7 (Gal)
Depth to Water (ft) (DTW) 45.51 | Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 22.19 | Color Of Product —

Well Box Type and Location ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____
# of Bolts Broken Off 0 # of Bolts Missing 0 ☒ Cap (☐) Lock no lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1246	0	26.1	7.6	4100	17.1	2.1	tan/cloudy
1250	3.8	24.0	7.2	3800	16.7	2.0	tan/cloudy
1255	7.5	24.2	7.1	(SD) ~~3800~~ 4100	40.2	1.9	clear/"
1300	11.3	24.0	7.0	4100	12.3	1.9	"/"
1304	15.7	23.6	6.9	4000	13.2	1.8	"/"
1306	15.7	Stopped Purging					

Pumping Rate 0.9 GPM | 80% Recharge 49.95 | Sample Time 1310

Max Drawdown — | Recovery Depth 45.52 @ 1310 | Field Duplicate (Y) / N

Notes: Well reinstalled / used BBC Pump Depth to water - / Sampled w/ Disp Bailer
Recovery Rate:
Hz 205 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 06-08-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** 72L0022 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) ~~NP~~ 62.0 | Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft) ~~62.0~~ (NP) | Casing Vol 3.2 | Borehole Vol ----------

Depth to Product (ft) NP | Actual Purge Volume 9.6 (Gal)

Depth to Water (ft) (DTW) 42.96 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 19.04 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☑ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____

# of Bolts Broken Off ____ # of Bolts Missing ____ ☑ Cap ☑ Lock

Ext. Seal Condition ☐ Good ☑ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☑ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1009	ϕ	20.6	6.2	1223	55.3	3.2	CLEAR / NONE
1012	3.2	21.4	6.3	1307	13.4	2.4	" / "
1015	6.4	21.5	6.2	1313	6.56	2.4	" / "
1019	9.6	21.5	6.2	1327	3.87	2.2	" / "
1019	9.6	Stopped Pumping					

Pumping Rate 1.0 GPM | 80% Recharge 46.77 | Sample Time 1030

Max Drawdown 43.87 | Recovery Depth 42.98 @ 1029 | Field Duplicate Y / (N)

Notes: _____

Recovery Rate: FAST

Hz 185 | Replaced Cap ☐ Replaced Lock ☐

Signature W. B. Cecil | Date 06- 08 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0024 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material	PVC	Casing Diameter (in.)(CD)	4"
Constructed Well Depth (ft)	65.0	Borehole Diameter (in.)(BD)	10"
Measured Well Depth (ft)	68.2	Casing Vol 15.1	Borehole Vol ----------
Depth to Product (ft)	ND	Actual Purge Volume	45.3 (Gal)
Depth to Water (ft) (DTW)	44.92	Product / Water Removed	— / — (Gal)
Water Column (ft) (WC)	23.28	Color Of Product	—

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☑ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off ____ # of Bolts Missing ____ ☑ Cap ☑ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1058	ϕ	20.1	6.5	1234	408	2.7	LT. GREY / NONE
1107	15.1	21.4	6.4	1173	58.0	2.2	CLEAR / NONE
1117	30.2	21.5	6.4	1263	24.9	2.2	" / "
1127	45.3	21.6	6.4	1260	25.0	2.2	" / "
1127	45.3	STOPPED PURGING					

Pumping Rate ~1.6GPM | 80% Recharge 49.58 | Sample Time 1135

Max Drawdown 45.15 | Recovery Depth 44.96 @ 1134 | Field Duplicate Y / N

Notes: Newly Constr. Well ; 1x Sampling by BBC

Recovery Rate: FAST

Hz 245 Replaced Cap ☐ Replaced Lock ☐

Signature W.B. [signature] | Date 06-08-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZ0025 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) NP | Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) 8819 (*) | Casing Vol 26.9 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 80.8 (Gal)
Depth to Water (ft) (DTW) 47.48 | Product / Water Removed - / - (Gal)
Water Column (ft) (WC) 41.42 | Color Of Product -

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☑ Monument Box Location: _____

Well Box Security # of Bolts Ø ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____
# of Bolts Broken Off Ø # of Bolts Missing Ø ☑ Cap ☑ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1031	Ø	16.1	7.7	1410	285	1.3	Tan/none
1047	26.9	20.3	7.0	1080	804	1.2	Clear/none
1106	53.9	19.6	7.3	1210	798	1.3	" / "
1118	80.8	19.9	7.2	1230	806	1.3	" / "
1118	80.8	Stopped Purging					

Pumping Rate 4.7 GPM | 80% Recharge 55.76 | Sample Time 1123
Max Drawdown - | Recovery Depth 50.93 @ 1123 | Field Duplicate Y / (N)

Notes: New Casing/well Tinkell 7 used BBB Pump - sampled w/ Disp. Bailer
Recovery Rate: Fast
Hz 215 ↑ 255 ↓ 235 ↑ 240 ↑ 260 ↑ 270 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 06-08-11 | Page of

(*) POSSIBLE OVERPURGE DUE TO INCORRECTLY NOTED TD. (DOUBLE CHECK NEXT EVENT)

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SW0008 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) NP | Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) 60.8 | Casing Vol 12.9 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 38.8 (Gal)
Depth to Water (ft) (DTW) 40.92 | Product / Water Removed – / – (Gal)
Water Column (ft) (WC) 19.88 | Color Of Product –

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☒ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☒ Allen
# of Bolts Broken Off Ø # of Bolts Missing 1 ☒ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☒ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0948	Ø	19.5	6.8	2300	220	1.5	clear/strong
0954	12.9	19.6	6.8	2300	8.89	1.3	" / "
1000	25.8	19.6	6.9	2300	7.65	1.4	" / "
1006	38.8	19.2	7.0	2200	6.20	1.3	" / "
1006	38.8	Stopped	Purging				

Pumping Rate 12.2 GPM | 80% Recharge 44.90 | Sample Time 1008
Max Drawdown – | Recovery Depth 41.93 @ 1008 | Field Duplicate Y / N

Notes: _____
Recovery Rate: Fast
Hz 235 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 06- 08 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0044 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point: Notch @ TOC

Casing Material: PVC | Casing Diameter (in.)(CD): 4"
Constructed Well Depth (ft): 65.5 | Borehole Diameter (in.)(BD): 10"
Measured Well Depth (ft): 67.4 | Casing Vol: 13.7 | Borehole Vol: ----------
Depth to Product (ft): NA | Actual Purge Volume: 41.1 (Gal)
Depth to Water (ft) (DTW): 46.30 | Product / Water Removed: — / — (Gal)
Water Column (ft) (WC): 21.10 | Color Of Product: —

Well Box Type and Location | ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☑ Monument Box Location: _____

Well Box Security | # of Bolts NA ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____
# of Bolts Broken Off ____ # of Bolts Missing ____ ☑ Cap ☑ Lock

Ext. Seal Condition | ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height | ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1213	0	22.4	6.7	1306	35.0	3.0	CLEAR / SLIGHT
1224	13.7	21.3	6.6	1345	14.9	1.5	" / "
1235	27.4	21.6	6.5	1350	6.58	1.4	" / NONE
1246	41.1	21.7	6.5	1347	4.45	1.5	" / SLIGHT
1246	41.1	Stopped Purging					

Pumping Rate ~1.2 GPM | 80% Recharge 50.52 | Sample Time 1250
Max Drawdown 47.38 | Recovery Depth 47.38 @ 1246 | Field Duplicate Y / (N)

Notes: Pulled Red Pump - Not Operable; Used Portable Pump
Recovery Rate: FAST
Hz 265 Replaced Cap ☐ Replaced Lock ☐

Signature W.B. Cook | Date 06-08-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SW0051 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) NP | Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) 57.2 | Casing Vol 13.4 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 53.7 (Gal)
Depth to Water (ft) (DTW) 36.53 | Product / Water Removed - / - (Gal)
Water Column (ft) (WC) 20.67 | Color Of Product -

Well Box Type and Location | ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security | # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____
# of Bolts Broken Off Ø # of Bolts Missing Ø ☐ Cap ☐ Lock

Ext. Seal Condition | ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height | ☐ Good ☒ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0842	Ø	19.3	6.2	2500	135	1.0	lt Brown/none
0848	13.4	17.4	5.9	2600	64.3	1.3	clr/none
0856	26.9	19.9	6.9	2400	55.4	1.3	" / "
0903	40.3	20.0	6.7	2500	129	1.2	" / "
0909	53.7	19.1	6.8	2500	132	1.3	" / "
0909	53.7	Stopped Purging					

Pumping Rate ~2.0 GPM | 80% Recharge 40.66 | Sample Time 0922

Max Drawdown — | Recovery Depth 40.66 @ 0922 | Field Duplicate Y / (N)

Notes:
Recovery Rate: Fast
Hz 190 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 06- 08 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XMW-29 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) 75.0 | Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) 73.2 | Casing Vol 16.0 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume _____ (Gal)
Depth to Water (ft) (DTW) 48.54 | Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 24.66 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☑ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off _____ # of Bolts Missing _____ ☑ Cap ☐ Lock No / BED SYSTEM cap

Ext. Seal Condition ☐ Good ☑ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☑ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1330	0	22.0	6.5	1116	33.1	1.9	BLACK / BEO
1340	16.0	22.3	6.4	1161	27.9	1.9	GREY / BEO
1351	32.0	22.6	6.4	1133	24.3	2.0	" / BEO
1402	48.0	22.6	6.4	1158	20.4	1.9	LIGHT GREY / SLIGHT BEO
1402	48.0	STOPPED PURGING					

Pumping Rate 1.5 GPM | 80% Recharge 53.47 | Sample Time 1405

Max Drawdown 51.43 | Recovery Depth 51.43 @ 1402 | Field Duplicate Y / N

Notes: North of Powerlines; Approx 40' NE of Tower 1033F / NE Leg of Tower

Recovery Rate: FAST

Hz 175 | Replaced Cap ☐ Replaced Lock ☐

Signature W. B. Cecil | Date 06-08-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XP-02 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM to N @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) NP | Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 76.4 | Casing Vol 20.7 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 62.1 (Gal)

Depth to Water (ft) (DTW) 44.61 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 31.79 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☑ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ALLEN ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____

# of Bolts Broken Off — # of Bolts Missing — ☑ Cap ☐ Lock No Lock

Ext. Seal Condition ☐ Good ☑ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☐ Poor (_____) ☑ Depressed (ASPHALT LEVEL)

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0833	ϕ	20.1	6.4	1071	34.3	3.2	CLEAR/NONE
0850	20.7	21.3	6.8	984	278	2.8	LT. TAN/NONE
0907	41.4	21.5	6.7	944	68.5	2.7	CLEAR/NONE
0923	62.1	21.6	6.7	942	47.1	2.6	" / "
0923	62.1	STOPPED PURGING					

Pumping Rate 41.2 GPM | 80% Recharge 50.97 | Sample Time 0930

Max Drawdown 51.08 | Recovery Depth 46.51 @ 0930 | Field Duplicate Y / (N)

Notes: _____

Recovery Rate: _____

Hz 260 Replaced Cap ☐ Replaced Lock ☐

Signature W. B. Cecil | Date 06-08-11 | Page of

BBC ENVIRONMENTAL, INC.

3593 Adams Avenue, San Diego, CA 92116

September 12, 2011

Mr. Ian Yusko
C_2REM
2382-B SE Bristol Street
Newport Beach, Ca 92660
Via Email: Mr. Ian Yusko < IYusko@C2rem.com >

RE: TRANSMITTAL OF THE GROUNDWATER SAMPLING FIELD DATA SHEETS FOR THE SEPTEMBER 2011 GROUNDWATER SAMPLING EVENT PERFORMED AT THE DEL AMO WASTE PITS LOCATED IN TORRANCE, CA.

Mr. Yusko:

Please find enclosed the field data sheets from the third quarter 2011 groundwater monitoring and sampling event performed by BBC Environmental, Inc. at the above referenced location on September 7th, 2011.

Should you have any questions with regards to this project, please do not hesitate to contact me directly at (619) 546-7165.

Thank you,
BBC ENVIRONMENTAL, INC.

for:

Mr. Stephen Jeltema
Environmental Scientist

Enclosures(2): Groundwater Gauging Sheet dated September 7, 2011
Groundwater Sampling Field Data Sheets dated September 7, 2011

Del Amo Waste Pits
20245 S. Vermont Avenue
Torrance, CA

Date: 9/7/2011
Time: 0830-1500
Technician: SMJ / WBC

Well I.D.	DTP (ft)	DTW (ft)	Previous DTP (ft)	Previous DTW (ft)	Total Depth (ft)	Sampling Time	Well Box Description	Survey Point	Comments
PZL 0018	ND	43.12	ND	42.79	68.0	1357	M/D 2-3/4"	BM @ TOC	2" Well Casing
PZL 0019	ND	48.82	ND	49.59	65.4	1418	M/D 2-3/4"	BM @ TOC	2" Well Casing
PZL 0020	ND	45.58	ND	45.51	67.8	1530	E/W 2-15/16"	TOC to N	2" Well Casing
PZL 0022	ND	43.06	ND	42.96	62.0	915	Monument	BM @ TOC	2" Well Casing
PZL 0024	ND	45.04	ND	44.92	--	1028	Monument	BM @ TOC	
PZL 0025	ND	47.56	ND	47.48	--	1128	Monument	TOC to N	
SWL 0008	ND	41.06	ND	40.92	60.8	1023	DWP - Allen Bolts	TOC to N	
SWL 0044	ND	46.39	ND	46.30	67.4	1500	Monument	Notch @ TOC	No Lock / No Locking Lid
SWL 0051	ND	36.70	ND	36.53	57.2	937	E/W 2-15/16"	TOC to N	
XMW 29	ND	48.53	ND	48.54	73.2	1243	DWP - Phillips Head	TOC to N	Watch for Aggressive Dogs
XP 02	ND	44.77	ND	44.61	76.4	1212	DWP - Allen Bolts	BM @ TOC	

NOTES: TOC = Top of Casing, BM = Black Mark
Equipment Blank: Collected at End of Day
Duplicate: SWL0008

XMW-29 Located North of Powerlines, Approx 40 ft NE of NE Leg of Tower 1033F

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits Location 20245 S. Vermont Ave. Torrance, CA Project # Del Amo.2	☐ Monitoring Only ☐ Free Product Pump out Only ☑ Monitoring and Sampling ☐ _____

BBC Personnel Onsite / Times	S.Jeltema / W.Craig	Ar. 0720	/Dep. 16.30
Contractor Personnel / Times	Kent/Seamus/Shanle/Bob	Ar. 0700	/Dep. —
	Shell / AECOM	Ar.	/Dep.

Monitoring Times / Order	0830 - 1500 / SWS 51, 08, 25, 19, 20 / WBC 22, 24, XP02, 44, 18
Purging Times / Order	See Sheets
Sampling Times / Order	See Sheets

Monitoring Equipment	☑ Interface Probe (Sol / Her / ORS) ☐ Water Level Meter ☒ Hanna _____(pH/Cond/Temp/ORP) ☐ Orion (Cond) ☒ In-Situ Troll Flow Cell 50528/50137 ☒ Hach (Turb) ☒ ICM- Dissolved Oxygen Meter _____
Purging Method/ Equipment	☐ Bailer ☑ Pump (Type:Grundfos) ☐ Bladder Pump ☐ Borehole Vol. ☑ Casing Vol. ☐ Low Flow ☐ Non-Purge
Borehole Volume:	BV(Gal) = 0.041 [CD^2 + P (BD^2 – CD^2)](WC) P = Assumed Porosity of 0.25
Casing Volume Multiplier	2" (0.17) 4" (0.65) 6" (1.5)
Purge Volume Readings	☑ Flow Meter ☐ Graduated Container
Decon Method	☑ 3 Stage ☐ Other (_____)
Field Duplicate Collected From	
Purge Water Destination	☐ Barrels On-Site (# of ___) ☑ AST On-Site ☐ Sanitary Sewer (Permit # _____) ☐ Treatment Facility (_____)
Notes / Comments	Low Flow Comparative Event PZL0018 - PZL0020 Total Volume Purged This Event: ~ 396 Gals Total Volume Purged (2011): ~ 1,172 Gals
Well Repair	No KID on SWL0044 Monument Box

Signature [signature]	Date ~~08~~ 9 - 7 -11	Page 1 of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0018 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) 68.0 | Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft) — | Casing Vol 4.5 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 13.5 (Gal)

Depth to Water (ft) (DTW) 43.12 | Product / Water Removed —/— (Gal)

Water Column (ft) (WC) 24.88 | Color Of Product —

Well Box Type and Location | ☐ Emco Wheaton ☐ Pomeco ☒ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: MARKED BY REBAR ON FENCE

Well Box Security | # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off — | # of Bolts Missing — | ☑ Cap ☐ Lock

Ext. Seal Condition | ☐ Good ☐ Fair ☐ Poor (_____) ☑ Cracked ☐ None

Crown Height | ☐ Good ☐ Fair ☑ Poor (UNDER BRUSH) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1335	∅	25.58	6.74	2129	6.0	5.78	CLEAR / NONE
1340	4.5	25.50	6.73	2137	7.1	5.60	" / "
1344	9.0	25.39	6.73	2170	8.9	5.18	" / "
1349	13.5	25.42	6.72	2174	9.5	5.08	" / "
1349	STOPPED PURGING						

Pumping Rate ~1.0 GPM | 80% Recharge 48.10 | Sample Time 1357

Max Drawdown — | Recovery Depth 43.55 @ 1357 | Field Duplicate Y / N

Notes:

Recovery Rate: FAST

Hz ~150 | Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date ~~08- -11~~ 9-7-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0019 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 2"
Constructed Well Depth (ft) 65.4 | Borehole Diameter (in.)(BD) 8"
Measured Well Depth (ft) — | Casing Vol 28 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 8.5 (Gal)
Depth to Water (ft) (DTW) 48.82 | Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 16.58 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☒ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 3 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off 0 # of Bolts Missing 0 ☒ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1355	0	32.09	6.33	4304	4.6	3.36	n/a
1358	2.8	32.49	6.39	4002	9.1	2.83	n/a
1400	5.6	33.61	6.38	4100	7.8	2.63	n/a
1402	8.5	32.96	6.36	4276	8.1	2.57	n/a
1402	8.5	Stopped Purging					

Pumping Rate 4.2 GPM | 80% Recharge 52.14 | Sample Time 14.18

Max Drawdown — | Recovery Depth 52.14 @ 14.18 | Field Duplicate Y / (N)

Notes:
Recovery Rate: Fast
Hz 255 + 7.5 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date ~~08-~~ 7 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0020 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC — Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) 68.0 — Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft) 67.7 — Casing Vol 3.8 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 11.3 (Gal)

Depth to Water (ft) (DTW) 45.58 — Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 22.12 — Color Of Product

Well Box Type and Location ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location:

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☒ 15/16" ☐

# of Bolts Broken Off 0 # of Bolts Missing 0 ☒ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1518	0	26.75	6.34	4306	2881	4.99	clear/brown
1522	3.8	25.66	6.33	4241	2531	4.21	" / "
1524	7.5	25.20	6.33	4408	2295	4.07	" / "
1527	11.3	25.12	6.33	4463	2372	3.91	" / "
1527	11.3	Stopped Purging					

Pumping Rate 4.25 GPM | 80% Recharge 50.00 | Sample Time 1530

Max Drawdown — | Recovery Depth 45.58 @ 1529 | Field Duplicate Y / (N)

Notes:

Recovery Rate: Fast

Hz 1.95 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date ~~08~~ 7-11 | Page 9 of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0022 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) 62.0 | Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft) — | Casing Vol 3.4 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 24.5 (Gal)

Depth to Water (ft) (DTW) 43.06 | Product / Water Removed —/— (Gal)

Water Column (ft) (WC) 18.94 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off ____ # of Bolts Missing ____ ☑ Cap ☑ Lock

Ext. Seal Condition ☐ Good ☑ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☑ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0848	ϕ	24.20	6.49	2173	2.6	8.98	CLEAR / NONE
0852	3.4	24.10	6.50	2186	2.6	8.54	" / "
0856	6.8	24.11	6.48	2189	2.5	7.05	" / "
0900	10.2	24.75	6.50	2214	33.5	7.03	" / "
0905	16.0	24.46	6.49	2206	3.6	7.77	" / "
0910	20.0	24.69	6.50	2227	1.1	7.38	" / "
0915	24.5	24.74	6.50	2249	1.1	6.72	" / "
0915	STOPPED PURGING						

Pumping Rate ~0.9 GPM | 80% Recharge 46.85 | Sample Time 0915

Max Drawdown — | Recovery Depth 43.30 @ 0915 | Field Duplicate Y / (N)

Notes: ENTRAINED AIR IN FLOW STREAM THRU CELL

Recovery Rate: FAST

Hz 165 Replaced Cap ☐ Replaced Lock ☐

Signature W.B. Cook | Date ~~08-11~~ 9-7-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0024 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) 65.0 | Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) 68.2 | Casing Vol 15.1 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 45.3 (Gal)
Depth to Water (ft) (DTW) 45.04 | Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 23.16 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____
# of Bolts Broken Off — # of Bolts Missing — ☑ Cap ☑ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0956	ϕ	26.37	6.58	2121	60.4	2.38	CLEAR / NONE
1004	15.1	25.14	6.59	2111	70.0	1.66	" / "
1011	30.2	25.08	6.60	2109	65.0	1.54	" / "
1020	45.3	25.18	6.60	2108	64.4	1.49	" / "
1020	STOPPED PURGING						

Pumping Rate ≈1.9 GPM | 80% Recharge 49.67 | Sample Time 1028

Max Drawdown — | Recovery Depth 45.04 @ 1028 | Field Duplicate Y / (N)

Notes: PUMP REINSTALLED THIS EVENT
Recovery Rate: FAST
Hz 180 Replaced Cap ☐ Replaced Lock ☐

Signature N. B. [illegible] | Date ~~08 11~~ 9-7-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0025 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material	PVC	Casing Diameter (in.)(CD)	4"
Constructed Well Depth (ft)	NP	Borehole Diameter (in.)(BD)	10"
Measured Well Depth (ft)	67.5	Casing Vol (SW) ~~[illegible]~~ 13.0	Borehole Vol ----------
Depth to Product (ft)	ND	Actual Purge Volume	51.9 (Gal)
Depth to Water (ft) (DTW)	47.56	Product / Water Removed	— / — (Gal)
Water Column (ft) (WC)	19.94	Color Of Product	—

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts Ø ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off Ø # of Bolts Missing Ø ☐ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1056	Ø	22.71	6.54	1523	17.5	2.96	(N) ~~2.96~~ clear/none
1102	13.0	22.72	6.55	1444	79.7	2.55	" / "
1110	25.9	22.92	6.47	2402	93.6	2.26	" / "
1118	38.9	22.96	6.46	2638	37.1	2.14	" / "
1126	51.9	22.96	6.47	2612	37.5	2.20	" / "
1126	51.9	Stopped Purging					

Pumping Rate 4.7 GPM | 80% Recharge 51.55 | Sample Time 1128

Max Drawdown — | Recovery Depth 51.55 @ 1128 | Field Duplicate Y / (N)

Notes: Pump installed this Event ⇒ very good Fit / (N) Watch for Bio Hazards

Recovery Rate: Fast

Hz 285 ↓ 195 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date ~~08~~ 7-11 09 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0008 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) NP | Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 60.8 | Casing Vol 12.8 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 38.5 (Gal)

Depth to Water (ft) (DTW) 41.06 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 19.74 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☒ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" (Cap) ☐ 5/16" ☒ Allen

# of Bolts Broken Off 0 # of Bolts Missing 1 ☒ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☐ Poor (_____) ☒ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1000	0	23.71	6.63	2447	26.3	5.09	Clear / Slight
1007	12.8	23.14	6.64	2438	6.4	1.43	" / "
1013	25.7	23.53	6.66	2469	6.6	1.14	" / "
1020	38.5	23.55	6.66	2480	9.6	1.15	" / "
1020	38.5	Stopped Purging					

Pumping Rate 7.9 GPM | 80% Recharge 45.01 | Sample Time 1023

Max Drawdown — | Recovery Depth 41.58 @ 1022 | Field Duplicate Y / N

Notes: Duplicate Taken

Recovery Rate: Fast

Hz 190 | Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 08- -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0044 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point NOTCH @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) 65.5 | Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 67.4 | Casing Vol 13.7 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 48.0 (Gal)

Depth to Water (ft) (DTW) 46.39 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 21.01 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off — # of Bolts Missing — ☑ Cap ☐ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1416	ϕ	25.14	6.61	2491	4.9	7.23	CLEAR / NONE
1423	13.7	25.31	6.61	2490	3.0	6.78	" / "
1433	27.4	24.98	6.62	2500	3.4	4.99	" / "
1444	41.1	24.94	6.61	2503	3.9	4.21	" / "
1450	48.0	24.98	6.62	2507	5.0	4.23	" / "
1450	48.0	STOPPED PUMPING					

Pumping Rate ~1.1 GPM | 80% Recharge 50.59 | Sample Time 1500

Max Drawdown — | Recovery Depth 47.33 @ 1459 | Field Duplicate Y / N

Notes: REINSTALLED PUMP THIS EVENT MS/MSD COLLECTED

Recovery Rate: FAST

Hz 225 Replaced Cap ☐ Replaced Lock ☐

Signature W.B. Cook | Date ~~08 11~~ 9-7-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0051 | **Sampled By** SMJ/WBC

Well Information Well Survey Point TOC to N

Casing Material	PVC	Casing Diameter (in.)(CD)	4"
Constructed Well Depth (ft)	NP	Borehole Diameter (in.)(BD)	10"
Measured Well Depth (ft)	57.2	Casing Vol 13.3	Borehole Vol ----------
Depth to Product (ft)	ND	Actual Purge Volume	53.4 (Gal)
Depth to Water (ft) (DTW)	36.70	Product / Water Removed	— / — (Gal)
Water Column (ft) (WC)	20.50	Color Of Product	—

Well Box Type and Location ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☒ 15/16" ☐ _____

# of Bolts Broken Off Ø # of Bolts Missing Ø ☐ Cap ☐ Lock

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turbidity	D.O. (mg/L)	Color/ HC Odor
0847	Ø	23.07	6.65	2553	2.1	6.65	Clear / none
0855	13.3	23.31	6.68	2533	20.1	6.67	" / "
0902	26.0	Stopped Purging - Mechanical error					
0917	26.7	23.96	6.73	2533	8.4	4.90	" / "
0924	40.0	23.27	6.72	2533	8.2	3.16	" / "
0930	53.4	23.19	6.73	2530	7.6	2.95	" / "
0930	53.4	Stopped Purging					

Pumping Rate 7.9 GPM | 80% Recharge ~~24.60~~ 40.80 | Sample Time 09.37

Max Drawdown — | Recovery Depth 40.80 @ 09.37 | Field Duplicate Y / N

Notes:

Recovery Rate: Fast

Hz 190 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date ~~08~~ 09 - 7 - 11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XP-02 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"
Constructed Well Depth (ft) NP | Borehole Diameter (in.)(BD) 10"
Measured Well Depth (ft) 76.4 | Casing Vol 20.6 | Borehole Vol ----------
Depth to Product (ft) ND | Actual Purge Volume 61.8 (Gal)
Depth to Water (ft) (DTW) 44.77 | Product / Water Removed — / — (Gal)
Water Column (ft) (WC) 31.63 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)
☒ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☒ Allen
# of Bolts Broken Off — # of Bolts Missing — ☑ Cap ☐ Lock

Ext. Seal Condition ☐ Good ☐ Fair ☑ Poor (PAVED OVER) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☑ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1109	ϕ	30.85	6.32	1198	175.9	5.75	BROWN / NONE
1125	20.6	26.12	6.39	1150	48.0	4.90	CLEAR / NONE
1145	41.2	27.42	6.70	1150	11.5	3.13	" / "
1200	61.8	27.06	6.66	1155	11.8	2.85	" / "
1200	61.8	STOPPED PURGING					

Pumping Rate 61.2 GPM | 80% Recharge 51.10 | Sample Time 1212
Max Drawdown — | Recovery Depth 45.08 @ 1212 | Field Duplicate Y / N

Notes:
Recovery Rate: FAST
Hz 205 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date ~~08-~~ -11 9-7-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XMW-29 | **Sampled By** SMJ/WBC

Well Information Well Survey Point TOC to N

Casing Material PVC Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) ~~720~~ 650 Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) ~~732~~ 635 Casing Vol 9.7 Borehole Vol ----------

Depth to Product (ft) ND Actual Purge Volume 38.9 (Gal)

Depth to Water (ft) (DTW) 48.53 Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 14.97 Color Of Product

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☒ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location:

Well Box Security # of Bolts 2 ☐ 7/16" ☒ 1/2" ☐ 9/16" ☐ 5/8" ☐ 5/16" ☒ Allen

# of Bolts Broken Off 0 # of Bolts Missing 0 ☒ Cap ☐ Lock

Ext. Seal Condition ☐ Good ☒ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☒ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1148	0	23.80	6.79	2120	513	6.95	clear/none
1155	9.7	22.62	6.58	1693	76	5.60	" / "
1205	19.5	22.62	6.56	2045	6.6	4.07	" / "
1217	29.2	22.79	6.57	2132	7.8	3.07	" / "
1227	38.9	22.86	6.55	2119	7.3	2.89	" / "
1227	38.9	Stopped Purging					

Pumping Rate 4.0 GPM | 80% Recharge 51.52 | Sample Time 1243

Max Drawdown — | Recovery Depth 51.52 @ 1243 | Field Duplicate Y / N

Notes: Water DD

Recovery Rate: medium / Fast

Hz 1.95 1.97 1.96 1.95 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] Date ~~08~~ 7 -11 Page of

BBC ENVIRONMENTAL, INC.

3593 Adams Avenue, San Diego, CA 92116

December 12, 2011

Mr. Ian Yusko
C_2REM
2382-B SE Bristol Street
Newport Beach, Ca 92660
Via Email: Mr. Ian Yusko < IYusko@C2rem.com >

RE: TRANSMITTAL OF THE GROUNDWATER SAMPLING FIELD DATA SHEETS FOR THE SEPTEMBER 2011 GROUNDWATER SAMPLING EVENT PERFORMED AT THE DEL AMO WASTE PITS LOCATED IN TORRANCE, CA.

Mr. Yusko:

Please find enclosed the field data sheets from the fourth quarter 2011 groundwater monitoring and sampling event performed by BBC Environmental, Inc. at the above referenced location on December 8th, 2011.

Should you have any questions with regards to this project, please do not hesitate to contact me directly at (619) 546-7165.

Thank you,
BBC ENVIRONMENTAL, INC.

Alexander Smith-Jones
Environmental Scientist

Enclosures(2): Groundwater Gauging Sheet dated December 8, 2011
Groundwater Sampling Field Data Sheets dated December 8, 2011

Del Amo Waste Pits
20245 S. Vermont Avenue
Torrance, CA

Date: 12/8/2011
Time: 0730-1400
Technician: SMJ / WBC / ASJ

Well I.D.	DTP (ft)	DTW (ft)	Previous DTP (ft)	Previous DTW (ft)	Total Depth (ft)	Sampling Time	Well Box Description	Survey Point	Comments
PZL 0018	ND	43.20	ND	43.12	68.0	1216/1246	M/D 2-3/4"	BM @ TOC	2" Well Casing
PZL 0019	ND	49.77	ND	48.82	65.4	1110/1138	M/D 2-3/4"	BM @ TOC	2" Well Casing
PZL 0020	ND	45.46	ND	45.58	67.8	1452	E/W 2-15/16"	TOC to N	2" Well Casing
PZL 0022	ND	43.14	ND	43.06	62.0	837	Monument	BM @ TOC	2" Well Casing
PZL 0024	ND	45.11	ND	45.04	--	940	Monument	BM @ TOC	
PZL 0025	ND	47.68	ND	47.56	--	937	Monument	TOC to N	
SWL 0008	ND	41.07	ND	41.06	60.8	1019	DWP - Allen Bolts	TOC to N	
SWL 0044	ND	46.47	ND	46.39	67.4	1340	Monument	Notch @ TOC	No Lock / No Locking Lid
SWL 0051	ND	36.70	ND	36.70	57.2	850	E/W 2-15/16"	TOC to N	
XMW 29	ND	48.56	ND	48.53	73.2	1320	DWP - Phillips Head	TOC to N	Watch for Aggressive Dogs
XP 02	ND	44.92	ND	44.77	76.4	1108	DWP - Allen Bolts	BM @ TOC	

NOTES: TOC = Top of Casing, BM = Black Mark
Equipment Blank: Collected at End of Day
Duplicate:

XMW-29 Located North of Powerlines, Approx 40 ft NE of NE Leg of Tower 1033F

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits Location 20245 S. Vermont Ave. Torrance, CA Project # Del Amo.4	☐ Monitoring Only ☐ Free Product Pump out Only ☑ Monitoring and Sampling ☐ _____

BBC Personnel Onsite / Times	S.Jeltema / W.Craig / AST Ar. 0700 /Dep. 1600
Contractor Personnel / Times	Bill Beaver / Shinto Ar. 0700 /Dep. 1600
	AFCOM - Cathleen Ar. 1200 /Dep. 1315
Monitoring Times / Order	0730 - 1400 / SW5 51,08,25,19,20 / MW29 / WBC 22,24, XP02, 44,18
Purging Times / Order	See Sheets
Sampling Times / Order	See Sheets

Monitoring Equipment	☑ Interface Probe (Sol / Her / ORS) ☐ Water Level Meter (SW) ☑ Hanna _____(pH/Cond/Temp/ORP) ☐ Orion (Cond) ☒ In-Situ Troll Flow Cell 50528/47889 ~~☑ Hach (Turb)~~ (SW) (SW) ☑ ICM- Dissolved Oxygen Meter _____
Purging Method/ Equipment	☐ Bailer ☑ Pump (Type:Grundfos) ☐ Bladder Pump ☐ Borehole Vol. ☑ Casing Vol. ☐ Low Flow ☐ Non-Purge
Borehole Volume:	BV(Gal) = 0.041 [CD^2 + P (BD^2 – CD^2)](WC) P = Assumed Porosity of 0.25
Casing Volume Multiplier	2" (0.17) 4" (0.65) 6" (1.5)
Purge Volume Readings	☑ Flow Meter ☒ Graduated Container - Low Flow
Decon Method	☑ 3 Stage ☐ Other ( )
Field Duplicate Collected From	
Purge Water Destination	☐ Barrels On-Site (# of ___) ☑ AST On-Site X2 ☐ Sanitary Sewer (Permit #) ☐ Treatment Facility ( )
Notes / Comments	

Total Volume Purged This Event: ~ 360 gal.

Total Volume Purged (2011): ~ 1,532 gal.

Well Repair

Signature [signature]	Date 12- 7 -11	Page 1 of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0018 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) 68.0 | Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft)(M) ~~NA~~ | Casing Vol 4.5 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 13.5 (Gal)

Depth to Water (ft) (DTW) 43.20 | Product / Water Removed – / – (Gal)

Water Column (ft) (WC) 24.80 | Color Of Product –

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☒ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location:

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off — # of Bolts Missing — ☑ Cap ☐ Lock No Lock

Ext. Seal Condition ☐ Good ☐ Fair ☐ Poor (_____) ☑ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☑ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1230	0	22.75	6.71	2572	3.2	2.68	clear / none
1235	4.5	22.21	6.68	2560	5.5	1.33	" / "
1239	9.0	21.94	6.69	2530	8.4	1.18	" / "
1243	13.5	22.05	6.67	2640	14.3	0.92	" / "
1245	Stopped purging						

Pumping Rate 1.04 GPM | 80% Recharge 48.16 | Sample Time 1246

Max Drawdown 48.95 | Recovery Depth 48.00 @ 1244 | Field Duplicate Y / N

Notes:

Recovery Rate: Fast

Hz 210 | Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 12- 7 -11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Poject Name: Del Amo Waste Pits
Project No.
Sample Collected By SMJ/WBC

Site Location: Torrence, CA
Well ID: PZL0018 - LF
Date of Sampling: 12/~~1~~8/11

EQUIPMENT

Purgeing Method: ~~Low~~ Flow
Meter ID: 50528/ 47884

Purging Equipment: Dedicated Grundfos RF2

PURGING INFORMATION

Measuring Point TOC to N
Casing Diameter 2"
Initial DTW (ft) (DTWi) 43.20
Final DTW (ft) 45.04
Total Well Depth (ft) 68.0
Screen Interval 48-68
PID Reading —

Approx. Depth To Pump Inlet: Assumed ~64'

Notes: FLUSH MOUNT MARKED BY REBAR ON FENCE
Well Box Condition: M/D - 2of2; 3/4"
EXT. SEAL CRACKED
CPM: — R: — D: — PSI: —

FIELD CONDITIONS

Wind Direction CALM
Weather Condition Mostly Sunny

Ambient Air Temp (F) 65°

Time	Depth to Water	Volume Purged (mL)	Temp. C	Cond. (µS/cm)	Turbidity (NTU)	ORP (mV)	pH	DO (mg/L)
1201	43.20	Ø	21.66	2420	4.3	43	6.72	4.61
1206	44.90	1250	22.20	2477	3.5	48	6.72	1.41
1210	44.97	1850	22.38	2475	5.2	45	6.71	0.80
1213	45.00	2450	22.43	2484	6.5	42	6.70	0.59
1216	45.04	3100	22.48	2500	7.1	40	6.70	0.50
1216	INITIATED SAMPLING							

Total Volume Purged (mL) 3100
Flow Rate During Purging (mL/min) ~207

Sample Time 1216
Duplicate Yes ____ No X

SAMPLE CONTAINERS

Collected	Container Type	No.	Preservatives	Field Filtered?	Analyses
12-8	VOA	3	HCL	N	8260B
12-8	Poly	1	None	N	SVOCS

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0019 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC — Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) 65.4 — Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft) — — Casing Vol 21.7 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 80 (Gal)

Depth to Water (ft) (DTW) 49.77 — Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 15.63 — Color Of Product —

Well Box Type and Location ☑ Emco Wheaton ☐ Pomeco ☒ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 3 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off Ø # of Bolts Missing Ø ☑ Cap ☐ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1122	Ø	31.43	6.31	4020	80	1.13	Clear/Strong
1124	27	32.03	6.37	3668	30	0.93	" / "
1127	53	32.77	6.37	4010	43	0.89	" / "
1130	80	32.44	6.36	4050	98	0.91	" / "
1130	80	Stopped Purging					

Pumping Rate 4.0 GPM | 80% Recharge 52.90 | Sample Time 1138

Max Drawdown — | Recovery Depth 52.90 @ 1138 | Field Duplicate Y / N

Notes: ~~Dry~~ Requires F/F Adapter (Hosing)

Recovery Rate: Fast

Hz 195 ↑ 215 ↓ 175 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Poject Name: Del Amo Waste Pits
Project No.
Sample Collected By SMJ/WBC/ASJ

Site Location: Torrence, CA
Well ID: PZL0019
Date of Sampling: 12/ 8 /11

EQUIPMENT

Purgeing Method: Low Flow
Meter ID: 50628/ 47884

Purging Equipment: Dedicated Grundfos RF2

PURGING INFORMATION

Measuring Point TOC to N
Casing Diameter 2"
Initial DTW (ft) (DTWi) 49.77
Final DTW (ft) 50.27
Total Well Depth (ft) 65.4
Screen Interval —
PID Reading —

Approx. Depth To Pump Inlet: Dedicated

Notes: DO initially high
Well Box Condition: Large E/W; 3/4"; 3 for 3; good
154 ↑160 CPM: R: D: PSI:

FIELD CONDITIONS

Wind Direction Still
Weather Condition Clear

Ambient Air Temp (F) ~70°F

Time	Depth to Water	Volume Purged (mL)	Temp. C	Cond. (µS/cm)	Turbidity (NTU)	ORP (mV)	pH	DO (mg/L)
1055	49.77	Ø	24.37	4635	16.6	-313	5.81	25.72
1100	50.21	1240	27.43	4417	10.0	-321	6.06	2.88
1104	50.25	2040	27.79	4378	8.4	-331	6.11	2.65
1107	50.26	2780	28.42	4355	7.1	-338	6.09	2.51
1110	50.27	3610	29.48	4397	5.8	-346	6.09	2.62
1110	initiated Sampling							

Total Volume Purged (mL) 3610
Flow Rate During Purging (mL/min) ~241

Sample Time 1110
Duplicate Yes X No

SAMPLE CONTAINERS

Duplicate - LF

Collected	Container Type	No.	Preservatives	Field Filtered?	Analyses
12/8/11	VOA	6	HCL	N	8260B
12/8/11	Poly	2	None	N	SVOCS

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0020 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point BM @ TOC

Casing Material PVC | Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) 68.0 | Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft) 67.7 | Casing Vol 3.8 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 11.3 (Gal)

Depth to Water (ft) (DTW) 45.46 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 22.24 | Color Of Product —

Well Box Type and Location ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☒ 15/16" ☐ _____

# of Bolts Broken Off 0 # of Bolts Missing 8 ☑ Cap ☐ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1438	0	23.63	6.33	4901	27.34	2.07	Clear/Stone
1441	3.8	23.63	6.33	4960	13.0	1.78	" / "
1444	7.6	23.93	6.33	5036	19.4	1.39	" / "
1447	11.3	23.91	6.32	5140	11.4	1.36	" / "
1447	11.3	Stopped Purging					

Pumping Rate 1.2 GPM | 80% Recharge 49.91 | Sample Time 1452

Max Drawdown — | Recovery Depth 46.73 @ 1452 | Field Duplicate Y / N

Notes: Used BBC Pump / Dedicated Pump Ground fowling

Recovery Rate: Fast ⇒ unable to perform Low Flow w/ System

Hz 195 ↓ 175 ↑ 205

Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0022 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC — Casing Diameter (in.)(CD) 2"

Constructed Well Depth (ft) 62.0 — Borehole Diameter (in.)(BD) 8"

Measured Well Depth (ft) — — Casing Vol 3.4 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 10.2 (Gal)

Depth to Water (ft) (DTW) 43.14 — Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 18.86 — Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off — # of Bolts Missing — ☑ Cap ☑ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0826	ϕ	21.53	6.50	2303	5.1	4.78	CLEAR / NONE
0829	3.4	21.73	6.45	2324	3.4	3.33	" / "
0832	6.8	21.56	6.43	2325	3.2	2.81	" / "
0834	10.2	21.65	6.43	2335	3.1	2.71	
0834	STOPPED PURGING						

Pumping Rate ~1.3 GPM | 80% Recharge 46.91 | Sample Time 0837

Max Drawdown — | Recovery Depth 43.81 @ 0835 | Field Duplicate Y / N

Notes: DEDICATED PUMP IN WELL

Recovery Rate:

Hz 180 Replaced Cap ☐ Replaced Lock ☐

Signature W. B. Cesso | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0024 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC — Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) 65.0 — Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 68.2 — Casing Vol 15.0 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 45.0 (Gal)

Depth to Water (ft) (DTW) 45.11 — Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 23.09 — Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ _____

# of Bolts Broken Off ____ # of Bolts Missing ____ ☑ Cap ☑ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0900	ϕ	19.46	6.50	2148	21.2	3.35	Clear / none
0918	15.0	22.31	6.57	2119	38.4	1.31	" / "
0928	30.0	22.22	6.57	2113	16.5	0.71	" / light
0937	45.0	22.20	6.57	2109	8.2	0.78	clear / light
0937	45.0	STOPPED PUMPING					

Pumping Rate ~1.2 GPM | 80% Recharge 49.72 | Sample Time 0940

Max Drawdown 45.28 | Recovery Depth 45.28 @ 0938 | Field Duplicate Y (N)

Notes: DEDICATED PUMP IN WELL

Recovery Rate: FAST

Hz 185 Replaced Cap ☐ Replaced Lock ☐

Signature W. B. Cook | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** PZL0025 | **Sampled By** SMJ/WBC

Well Information Well Survey Point BM @ TOC

Casing Material PVC — Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) NP — Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 6.75 — Casing Vol 12.9 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 38.7 (Gal)

Depth to Water (ft) (DTW) 4.68 — Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 1.82 — Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts Ø ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____

# of Bolts Broken Off Ø # of Bolts Missing Ø ☒ Cap ☐ Lock ZNW

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0912	Ø	20.96	6.21	2929	2018	7.28	clear/none
0921	12.9	21.42	6.38	1867	77	5.94	" / "
0927	25.8	22.01	6.33	2789	62.4	5.71	" / "
0934	38.7	22.23	6.30	2810	37.1	5.61	" / "
0934	38.7	Stopped	Purging				

Pumping Rate 1.7 GPM | 80% Recharge 5.64 | Sample Time 0937

Max Drawdown — | Recovery Depth 5.62 @ 0937 | Field Duplicate Y / N

Notes: Combo 2736

Recovery Rate: Fast

Hz 205 ↓ 195 ↑ 215 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0008 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N

Casing Material PVC | Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) NP | Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 60.8 | Casing Vol 12.8 | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 38.5 (Gal)

Depth to Water (ft) (DTW) 41.07 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 19.73 | Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☒ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts ____ ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☒ Allen

# of Bolts Broken Off ____ # of Bolts Missing ____ ☐ Cap ☐ Lock

Ext. Seal Condition ☐ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0956	0	22.26	6.57	2312	21	4.96	Clear/Slight
1002	12.8	21.71	6.56	2322	20	2.99	" / "
1010	25.6	22.56	6.56	2330	20	1.63	" / "
1016	38.5	22.59	6.57	2341	1.3	1.71	" / "
1016	38.5	Stopped Purging					

Pumping Rate 7.9 GPM | 80% Recharge 45.02 | Sample Time 1019

Max Drawdown — | Recovery Depth 41.43 @ 1019 | Field Duplicate (Y) / N

Notes: Duplicate -1

Recovery Rate: Fast

Hz 205 | Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0044 | **Sampled By** SMJ/WBC

Well Information Well Survey Point NOTCH @ TOC

Casing Material PVC — Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) 65.5 — Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 67.4 — Casing Vol 13.6 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 40.8 (Gal)

Depth to Water (ft) (DTW) 46.47 — Product / Water Removed — / — (Gal)

Water Column (ft) (WC) 20.93 — Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location: _____

Well Box Security # of Bolts N/A ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☐ 5/16" ☐ ____

# of Bolts Broken Off — # of Bolts Missing — ☑ Cap ☑ Lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1304	ϕ	23.93	6.65	2719	19.3	2.21	CLEAR / NONE
1310	13.6	23.03	6.62	2640	2.0	1.86	" / "
1322	27.2	23.14	6.62	2614	1.5	0.20	" / "
1334	40.8	23.35	6.62	2623	0.9	0.29	" / "
1336	Stopped purging						

Pumping Rate 1.4 GPM | 80% Recharge 50.65 | Sample Time 1340

Max Drawdown 47.84 | Recovery Depth 47.84 @ 1336 | Field Duplicate Y / N

Notes: Re-installed Pump This Event; Pump Needs Shrouds

Recovery Rate: Fast — MS/MSD Collected

Hz 360 — Replaced Cap ☐ Replaced Lock ☐

Signature [illegible] | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** SWL0051 | **Sampled By** SMJ/WBC

Well Information Well Survey Point TOC to N

Casing Material PVC — Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) NP — Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 57.2 — Casing Vol 13.3 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 40.0 (Gal)

Depth to Water (ft) (DTW) 36.70 — Product / Water Removed - / - (Gal)

Water Column (ft) (WC) 20.50 — Color Of Product -

Well Box Type and Location ☒ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☐ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: ~30' East of Large Manhole

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 3/4" ☒ 15/16" ☐ _____

# of Bolts Broken Off Ø # of Bolts Missing Ø ☑ Cap ☐ Lock no lock

Ext. Seal Condition ☑ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☑ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
0814	Ø	22.01	6.66	2315	19.1	4.03	Clear/none
0823	13.3	22.30	6.69	2316	10.7	1.49	" / "
0833	26.7	21.17	6.73	2282	3.3	1.29	" / "
0842	40.0	21.21	6.74	2293	3.0	1.44	" / "
0842	40.0	Stopped	Purging				

Pumping Rate 7.4 GPM | 80% Recharge 40.80 | Sample Time 0850

Max Drawdown — | Recovery Depth 40.80 @ 0850 | Field Duplicate Y / (N)

Notes: Needs Harding Shroud @ Pump Head - Ded System INW

Recovery Rate: Fast

Hz 190 Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XMW-29 | **Sampled By** SMJ/WBC

Well Information | Well Survey Point TOC to N 16.0

Casing Material PVC | Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) 75.0 | Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 73.2 | Casing Vol ~~16.0~~ | Borehole Vol ----------

Depth to Product (ft) ND | Actual Purge Volume 481 (Gal)

Depth to Water (ft) (DTW) ~~47.68~~ 47.8 | Product / Water Removed — / — (Gal)

Water Column (ft) (WC) ~~25.52~~ 24.61 | Color Of Product

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☒ DWP (Steel / Alum.) ☐ Alhambra ☒ Monument Box Location:

Well Box Security # of Bolts 8 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ~~☒ Allen~~

# of Bolts Broken Off 0 # of Bolts Missing 0 ☒ Cap ☐ Lock JNW

Ext. Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☒ Good ☐ Fair ☐ Poor (_____) ☐ Depressed

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1214	0	21.39	6.59	2063	3.5	5.07	clear/strong
1234	160	21.89	6.55	2076	9.9	1.18	" / mod.
1249	320	21.94	6.55	2069	4.2	1.04	" / "
1255	342	Stopped Purging ⇒ Pump Cavitating					
1257	342	Restart Purge		DTW = 61.72			
1306	481	22.00	6.54	2073	4.1	1.01	" / "
1306	481	Stopped Purging					

Pumping Rate 7.0 GPM | 80% Recharge 53.49 | Sample Time 1320

Max Drawdown — | Recovery Depth 53.49 @ 1320 | Field Duplicate Y / (N)

Notes: Black Tar-like Substance on Probe / AECOM Rep observing Sampling

Recovery Rate: Moderate / Fast

Hz 195 / 200

Replaced Cap ☐ Replaced Lock ☐

Signature [signature] | Date 12-8-11 | Page of

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Del Amo Waste Pits | **Well #** XP-02 | **Sampled By** SMJ/WBC

Well Information Well Survey Point TOC to N

Casing Material PVC — Casing Diameter (in.)(CD) 4"

Constructed Well Depth (ft) NP — Borehole Diameter (in.)(BD) 10"

Measured Well Depth (ft) 76.4 — Casing Vol 20.70 — Borehole Vol ----------

Depth to Product (ft) ND — Actual Purge Volume 62.1 (Gal)

Depth to Water (ft) (DTW) 44.92 — Product / Water Removed — / — (Gal)

Water Column (ft) (WC) ~~31.84~~ 31.48 — Color Of Product —

Well Box Type and Location ☐ Emco Wheaton ☐ Pomeco ☐ M/D ☐ Vault (_____)

☒ DWP (Steel / Alum.) ☐ Alhambra ☐ Monument Box Location: _____

Well Box Security # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☒ 3/4" ☐ 5/16" ☒ Allen

# of Bolts Broken Off ____ # of Bolts Missing ____ ☐ Cap ☐ Lock

Ext. Seal Condition ☐ Good ☐ Fair ☑ Poor (ASPHALT COVERED) ☐ Cracked ☐ None

Crown Height ☐ Good ☐ Fair ☐ Poor (_____) ☑ Depressed COVERED W/ ASPHALT

☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	Temp (°C)	pH	Cond (µMhos)	Turb-idity	D.O. (mg/L)	Color/ HC Odor
1022	ϕ	21.55	6.79	729.2	20.3	8.92	clear/none
1042	20.7	21.79	6.76	1139	19.5	5.70	clear/none
1051	41.4	22.32	6.76	1170	33.4	4.33	clear/none
1103	62.1	22.09	6.76	1177	7.8	0.90	" / "
1105	62.5 Stopped		purging				

Pumping Rate ~1.4 GPM | 80% Recharge 51.22 | Sample Time 1108

Max Drawdown 55.55 | Recovery Depth 50.35 @ 1107 | Field Duplicate Y / N

Notes: WELL COVERED W/ ASPHALT UPON ARRIVAL

Recovery Rate: Watch drawdown to top of screen interval

Hz 240 Replaced Cap ☐ Replaced Lock ☐

Signature W.B. Cecil | Date 12-8-11 | Page of

APPENDIX H

2011 GROUNDWATER WELL SURVEY DATA

DEL AMO WASTE PIT MONITORING				
STATION I.D.	Y–COORDINATE NORTHING	X–COORDINATE EASTING	G.S. ELEVATIONS	M.P. ELEVATIONS
PZL0018	56828.00	199422.00	34.66	34.40
PZL0019	56705.00	198708.00	41.49	41.06
PZL0020	56574.00	198868.00	37.96	37.08
PZL0022	56521.00	199568.00	32.88	34.51
PZL0024	56521.00	199338.00	34.23	36.63
PZL0025	56529.00	198616.00	36.50	38.70
SWL0008	56459.00	198858.00	32.86	32.50
SWL0044	56760.00	199263.00	36.32	37.90
SWL0051	56214.00	198993.00	28.83	28.34
XMW–29	56813.00	198349.00	39.52	39.03
XP–02	56877.00	199181.00	35.99	35.34

VERTICAL DATUM: NGVD 29

HORIZONTAL DATUM: STATE PLANE ZONE VII NAD27 (MODIFIED TO GROUND)

LEGEND

G.S. ELEVATIONS GROUND SURFACE
M.P. ELEVATIONS TOP OF CASING

DATE: 06/14/11	DEL AMO WASTE PITS
J/N: 11–487	WASTE PIT MONITORING
DRAWN BY: MK	TORRANCE, CALIFORNIA
SCALE: NA	DRC Engineering, Inc. — Civil Engineering/Land Surveying/Land Planning
SHEET 1 OF 1	160 S. Old Springs Road, Ste. 210, Anaheim Hills, California 92808, (714) 685-6860

APPENDIX I

2011 GROUNDWATER LABORATORY RESULTS

Calscience Environmental Laboratories, Inc.

February 25, 2011

Stefan Klemm
C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Subject: **Calscience Work Order No.: 11-02-1346**
Client Reference: 20245 S. Vermont St., Torrance, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/18/2011 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0018	**11-02-1346-1-D**	**02/18/11 09:05**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 19:31**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	100	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	22	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	72	7-121		Phenol-d6	55	1-127	
Nitrobenzene-d5	95	50-146		2-Fluorobiphenyl	84	42-138	
2,4,6-Tribromophenol	101	41-137		p-Terphenyl-d14	90	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0019	**11-02-1346-2-D**	**02/18/11 13:40**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 20:55**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	30	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	77	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	65	7-121		Phenol-d6	53	1-127	
Nitrobenzene-d5	79	50-146		2-Fluorobiphenyl	73	42-138	
2,4,6-Tribromophenol	91	41-137		p-Terphenyl-d14	78	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 3 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0020	**11-02-1346-3-D**	**02/18/11 14:12**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/23/11 01:06**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	96	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	93	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	12	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	68	7-121		Phenol-d6	58	1-127	
Nitrobenzene-d5	91	50-146		2-Fluorobiphenyl	84	42-138	
2,4,6-Tribromophenol	97	41-137		p-Terphenyl-d14	78	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 4 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0022	**11-02-1346-4-D**	**02/18/11 12:49**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 21:24**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	66	7-121		Phenol-d6	51	1-127	
Nitrobenzene-d5	85	50-146		2-Fluorobiphenyl	77	42-138	
2,4,6-Tribromophenol	92	41-137		p-Terphenyl-d14	82	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL-0008	**11-02-1346-5-D**	**02/18/11 11:00**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 21:51**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	180	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	36	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	62	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	72	7-121		Phenol-d6	57	1-127	
Nitrobenzene-d5	86	50-146		2-Fluorobiphenyl	73	42-138	
2,4,6-Tribromophenol	99	41-137		p-Terphenyl-d14	84	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 6 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL-0044	**11-02-1346-6-D**	**02/18/11 10:03**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 22:20**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	13	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	11	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	760	100	10		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	61	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	25	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	100	10	1	
Acenaphthene	15	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	72	7-121		Phenol-d6	53	1-127	
Nitrobenzene-d5	93	50-146		2-Fluorobiphenyl	77	42-138	
2,4,6-Tribromophenol	99	41-137		p-Terphenyl-d14	83	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL-0051	**11-02-1346-7-D**	**02/18/11 12:12**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 22:47**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	66	7-121		Phenol-d6	50	1-127	
Nitrobenzene-d5	88	50-146		2-Fluorobiphenyl	71	42-138	
2,4,6-Tribromophenol	93	41-137		p-Terphenyl-d14	85	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 8 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW-29	**11-02-1346-8-D**	**02/18/11 08:50**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 23:16**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	49	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	69	7-121		Phenol-d6	49	1-127	
Nitrobenzene-d5	88	50-146		2-Fluorobiphenyl	73	42-138	
2,4,6-Tribromophenol	91	41-137		p-Terphenyl-d14	79	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP-02	**11-02-1346-9-D**	**02/18/11 12:20**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 23:43**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	69	7-121		Phenol-d6	52	1-127	
Nitrobenzene-d5	86	50-146		2-Fluorobiphenyl	69	42-138	
2,4,6-Tribromophenol	89	41-137		p-Terphenyl-d14	82	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 10 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Equipment Blank	**11-02-1346-10-D**	**02/18/11 14:24**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/23/11 00:11**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	69	7-121		Phenol-d6	52	1-127	
Nitrobenzene-d5	90	50-146		2-Fluorobiphenyl	75	42-138	
2,4,6-Tribromophenol	89	41-137		p-Terphenyl-d14	84	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 11 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate-1	**11-02-1346-12-D**	**02/18/11 00:00**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/23/11 00:39**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	66	7-121		Phenol-d6	49	1-127	
Nitrobenzene-d5	86	50-146		2-Fluorobiphenyl	70	42-138	
2,4,6-Tribromophenol	89	41-137		p-Terphenyl-d14	82	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,094**	**N/A**	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11 18:36**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	64	7-121		Phenol-d6	46	1-127	
Nitrobenzene-d5	91	50-146		2-Fluorobiphenyl	62	42-138	
2,4,6-Tribromophenol	88	41-137		p-Terphenyl-d14	92	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0018	**11-02-1346-1-A**	**02/18/11 09:05**	**Aqueous**	**GC/MS R**	**02/19/11**	**02/19/11 23:40**	**110219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	20000	100	200		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	140	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	8.3	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	1.1	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	4.7	1.0	1		Naphthalene	140	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	3.3	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	3.5	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	2.8	1.0	1	
Chloroform	ND	1.0	1		Toluene	17	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	4.4	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	1.2	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	46	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	11	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-126		1,2-Dichloroethane-d4	99	80-134	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	94	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 2 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0019	**11-02-1346-2-B**	**02/18/11 13:40**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 17:23**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	25000	500		1,1-Dichloropropene	ND	500	500	
Benzene	350000	2500	5000		c-1,3-Dichloropropene	ND	250	500	
Bromobenzene	ND	500	500		t-1,3-Dichloropropene	ND	250	500	
Bromochloromethane	ND	500	500		Ethylbenzene	14000	500	500	
Bromodichloromethane	ND	500	500		2-Hexanone	ND	5000	500	
Bromoform	ND	500	500		Isopropylbenzene	ND	500	500	
Bromomethane	ND	5000	500		p-Isopropyltoluene	ND	500	500	
2-Butanone	ND	5000	500		Methylene Chloride	ND	5000	500	
n-Butylbenzene	ND	500	500		4-Methyl-2-Pentanone	ND	5000	500	
sec-Butylbenzene	ND	500	500		Naphthalene	ND	5000	500	
tert-Butylbenzene	ND	500	500		n-Propylbenzene	ND	500	500	
Carbon Disulfide	ND	5000	500		Styrene	570	500	500	
Carbon Tetrachloride	ND	250	500		1,1,1,2-Tetrachloroethane	ND	500	500	
Chlorobenzene	ND	500	500		1,1,2,2-Tetrachloroethane	ND	500	500	
Chloroethane	ND	2500	500		Tetrachloroethene	ND	500	500	
Chloroform	ND	500	500		Toluene	550	500	500	
Chloromethane	ND	5000	500		1,2,3-Trichlorobenzene	ND	500	500	
2-Chlorotoluene	ND	500	500		1,2,4-Trichlorobenzene	ND	500	500	
4-Chlorotoluene	ND	500	500		1,1,1-Trichloroethane	ND	500	500	
Dibromochloromethane	ND	500	500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	500	
1,2-Dibromo-3-Chloropropane	ND	2500	500		1,1,2-Trichloroethane	ND	500	500	
1,2-Dibromoethane	ND	500	500		Trichloroethene	ND	500	500	
Dibromomethane	ND	500	500		Trichlorofluoromethane	ND	5000	500	
1,2-Dichlorobenzene	ND	500	500		1,2,3-Trichloropropane	ND	2500	500	
1,3-Dichlorobenzene	ND	500	500		1,2,4-Trimethylbenzene	ND	500	500	
1,4-Dichlorobenzene	ND	500	500		1,3,5-Trimethylbenzene	ND	500	500	
Dichlorodifluoromethane	ND	500	500		Vinyl Acetate	ND	5000	500	
1,1-Dichloroethane	ND	500	500		Vinyl Chloride	ND	250	500	
1,2-Dichloroethane	ND	250	500		Xylenes (total)	ND	500	500	
1,1-Dichloroethene	ND	500	500		Methyl-t-Butyl Ether (MTBE)	ND	500	500	
c-1,2-Dichloroethene	ND	500	500		Tert-Butyl Alcohol (TBA)	ND	5000	500	
t-1,2-Dichloroethene	ND	500	500		Diisopropyl Ether (DIPE)	ND	1000	500	
1,2-Dichloropropane	ND	500	500		Ethyl-t-Butyl Ether (ETBE)	ND	1000	500	
1,3-Dichloropropane	ND	500	500		Tert-Amyl-Methyl Ether (TAME)	ND	1000	500	
2,2-Dichloropropane	ND	500	500		Ethanol	ND	50000	500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-126		1,2-Dichloroethane-d4	96	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 3 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0020	**11-02-1346-3-C**	**02/18/11 14:12**	**Aqueous**	**GC/MS XX**	**02/22/11**	**02/22/11 16:05**	**110222L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	250000	5000		1,1-Dichloropropene	ND	5000	5000	
Benzene	530000	2500	5000		c-1,3-Dichloropropene	ND	2500	5000	
Bromobenzene	ND	5000	5000		t-1,3-Dichloropropene	ND	2500	5000	
Bromochloromethane	ND	5000	5000		Ethylbenzene	14000	5000	5000	
Bromodichloromethane	ND	5000	5000		2-Hexanone	ND	50000	5000	
Bromoform	ND	5000	5000		Isopropylbenzene	ND	5000	5000	
Bromomethane	ND	50000	5000		p-Isopropyltoluene	ND	5000	5000	
2-Butanone	ND	50000	5000		Methylene Chloride	ND	50000	5000	
n-Butylbenzene	ND	5000	5000		4-Methyl-2-Pentanone	ND	50000	5000	
sec-Butylbenzene	ND	5000	5000		Naphthalene	ND	50000	5000	
tert-Butylbenzene	ND	5000	5000		n-Propylbenzene	ND	5000	5000	
Carbon Disulfide	ND	50000	5000		Styrene	ND	5000	5000	
Carbon Tetrachloride	ND	2500	5000		1,1,1,2-Tetrachloroethane	ND	5000	5000	
Chlorobenzene	ND	5000	5000		1,1,2,2-Tetrachloroethane	ND	5000	5000	
Chloroethane	ND	25000	5000		Tetrachloroethene	ND	5000	5000	
Chloroform	ND	5000	5000		Toluene	ND	5000	5000	
Chloromethane	ND	50000	5000		1,2,3-Trichlorobenzene	ND	5000	5000	
2-Chlorotoluene	ND	5000	5000		1,2,4-Trichlorobenzene	ND	5000	5000	
4-Chlorotoluene	ND	5000	5000		1,1,1-Trichloroethane	ND	5000	5000	
Dibromochloromethane	ND	5000	5000		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50000	5000	
1,2-Dibromo-3-Chloropropane	ND	25000	5000		1,1,2-Trichloroethane	ND	5000	5000	
1,2-Dibromoethane	ND	5000	5000		Trichloroethene	ND	5000	5000	
Dibromomethane	ND	5000	5000		Trichlorofluoromethane	ND	50000	5000	
1,2-Dichlorobenzene	ND	5000	5000		1,2,3-Trichloropropane	ND	25000	5000	
1,3-Dichlorobenzene	ND	5000	5000		1,2,4-Trimethylbenzene	ND	5000	5000	
1,4-Dichlorobenzene	ND	5000	5000		1,3,5-Trimethylbenzene	ND	5000	5000	
Dichlorodifluoromethane	ND	5000	5000		Vinyl Acetate	ND	50000	5000	
1,1-Dichloroethane	ND	5000	5000		Vinyl Chloride	ND	2500	5000	
1,2-Dichloroethane	ND	2500	5000		Xylenes (total)	ND	5000	5000	
1,1-Dichloroethene	ND	5000	5000		Methyl-t-Butyl Ether (MTBE)	ND	5000	5000	
c-1,2-Dichloroethene	ND	5000	5000		Tert-Butyl Alcohol (TBA)	ND	50000	5000	
t-1,2-Dichloroethene	ND	5000	5000		Diisopropyl Ether (DIPE)	ND	10000	5000	
1,2-Dichloropropane	ND	5000	5000		Ethyl-t-Butyl Ether (ETBE)	ND	10000	5000	
1,3-Dichloropropane	ND	5000	5000		Tert-Amyl-Methyl Ether (TAME)	ND	10000	5000	
2,2-Dichloropropane	ND	5000	5000		Ethanol	ND	500000	5000	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	97	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 4 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL-0022	**11-02-1346-4-C**	**02/18/11 12:49**	**Aqueous**	**GC/MS XX**	**02/22/11**	**02/22/11 16:34**	**110222L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	80-126		1,2-Dichloroethane-d4	96	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL-0008	**11-02-1346-5-B**	**02/18/11 11:00**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 18:49**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	250	5		1,1-Dichloropropene	ND	5.0	5	
Benzene	810	2.5	5		c-1,3-Dichloropropene	ND	2.5	5	
Bromobenzene	ND	5.0	5		t-1,3-Dichloropropene	ND	2.5	5	
Bromochloromethane	ND	5.0	5		Ethylbenzene	300	5.0	5	
Bromodichloromethane	ND	5.0	5		2-Hexanone	ND	50	5	
Bromoform	ND	5.0	5		Isopropylbenzene	110	5.0	5	
Bromomethane	ND	50	5		p-Isopropyltoluene	ND	5.0	5	
2-Butanone	ND	50	5		Methylene Chloride	ND	50	5	
n-Butylbenzene	33	5.0	5		4-Methyl-2-Pentanone	ND	50	5	
sec-Butylbenzene	22	5.0	5		Naphthalene	150	50	5	
tert-Butylbenzene	ND	5.0	5		n-Propylbenzene	330	5.0	5	
Carbon Disulfide	ND	50	5		Styrene	ND	5.0	5	
Carbon Tetrachloride	ND	2.5	5		1,1,1,2-Tetrachloroethane	ND	5.0	5	
Chlorobenzene	ND	5.0	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
Chloroethane	ND	25	5		Tetrachloroethene	ND	5.0	5	
Chloroform	ND	5.0	5		Toluene	8.3	5.0	5	
Chloromethane	ND	50	5		1,2,3-Trichlorobenzene	ND	5.0	5	
2-Chlorotoluene	ND	5.0	5		1,2,4-Trichlorobenzene	ND	5.0	5	
4-Chlorotoluene	ND	5.0	5		1,1,1-Trichloroethane	ND	5.0	5	
Dibromochloromethane	ND	5.0	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	5	
1,2-Dibromo-3-Chloropropane	ND	25	5		1,1,2-Trichloroethane	ND	5.0	5	
1,2-Dibromoethane	ND	5.0	5		Trichloroethene	ND	5.0	5	
Dibromomethane	ND	5.0	5		Trichlorofluoromethane	ND	50	5	
1,2-Dichlorobenzene	ND	5.0	5		1,2,3-Trichloropropane	ND	25	5	
1,3-Dichlorobenzene	ND	5.0	5		1,2,4-Trimethylbenzene	280	5.0	5	
1,4-Dichlorobenzene	ND	5.0	5		1,3,5-Trimethylbenzene	5.8	5.0	5	
Dichlorodifluoromethane	ND	5.0	5		Vinyl Acetate	ND	50	5	
1,1-Dichloroethane	ND	5.0	5		Vinyl Chloride	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		Xylenes (total)	140	5.0	5	
1,1-Dichloroethene	ND	5.0	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	5	
c-1,2-Dichloroethene	ND	5.0	5		Tert-Butyl Alcohol (TBA)	100	50	5	
t-1,2-Dichloroethene	ND	5.0	5		Diisopropyl Ether (DIPE)	ND	10	5	
1,2-Dichloropropane	ND	5.0	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
1,3-Dichloropropane	ND	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
2,2-Dichloropropane	ND	5.0	5		Ethanol	ND	500	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	93	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 6 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL-0044	**11-02-1346-6-B**	**02/18/11 10:03**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 19:17**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	28	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	15	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	6.2	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	1.4	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	8.2	1.0	1		Naphthalene	510	50	5	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	4.2	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	6.1	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	2.2	1.0	1	
Chloroform	ND	1.0	1		Toluene	16	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	3.8	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	16	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	93	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 7 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL-0051	**11-02-1346-7-B**	**02/18/11 12:12**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 13:05**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	15	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	7.5	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	1.6	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 8 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW-29	**11-02-1346-8-C**	**02/18/11 08:50**	**Aqueous**	**GC/MS XX**	**02/22/11**	**02/22/11 17:31**	**110222L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12000	250		1,1-Dichloropropene	ND	250	250	
Benzene	47000	120	250		c-1,3-Dichloropropene	ND	120	250	
Bromobenzene	ND	250	250		t-1,3-Dichloropropene	ND	120	250	
Bromochloromethane	ND	250	250		Ethylbenzene	ND	250	250	
Bromodichloromethane	ND	250	250		2-Hexanone	ND	2500	250	
Bromoform	ND	250	250		Isopropylbenzene	ND	250	250	
Bromomethane	ND	2500	250		p-Isopropyltoluene	ND	250	250	
2-Butanone	ND	2500	250		Methylene Chloride	ND	2500	250	
n-Butylbenzene	ND	250	250		4-Methyl-2-Pentanone	ND	2500	250	
sec-Butylbenzene	ND	250	250		Naphthalene	ND	2500	250	
tert-Butylbenzene	ND	250	250		n-Propylbenzene	ND	250	250	
Carbon Disulfide	ND	2500	250		Styrene	ND	250	250	
Carbon Tetrachloride	ND	120	250		1,1,1,2-Tetrachloroethane	ND	250	250	
Chlorobenzene	ND	250	250		1,1,2,2-Tetrachloroethane	ND	250	250	
Chloroethane	ND	1200	250		Tetrachloroethene	ND	250	250	
Chloroform	ND	250	250		Toluene	ND	250	250	
Chloromethane	ND	2500	250		1,2,3-Trichlorobenzene	ND	250	250	
2-Chlorotoluene	ND	250	250		1,2,4-Trichlorobenzene	ND	250	250	
4-Chlorotoluene	ND	250	250		1,1,1-Trichloroethane	ND	250	250	
Dibromochloromethane	ND	250	250		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2500	250	
1,2-Dibromo-3-Chloropropane	ND	1200	250		1,1,2-Trichloroethane	ND	250	250	
1,2-Dibromoethane	ND	250	250		Trichloroethene	ND	250	250	
Dibromomethane	ND	250	250		Trichlorofluoromethane	ND	2500	250	
1,2-Dichlorobenzene	ND	250	250		1,2,3-Trichloropropane	ND	1200	250	
1,3-Dichlorobenzene	ND	250	250		1,2,4-Trimethylbenzene	ND	250	250	
1,4-Dichlorobenzene	ND	250	250		1,3,5-Trimethylbenzene	ND	250	250	
Dichlorodifluoromethane	ND	250	250		Vinyl Acetate	ND	2500	250	
1,1-Dichloroethane	ND	250	250		Vinyl Chloride	ND	120	250	
1,2-Dichloroethane	ND	120	250		Xylenes (total)	ND	250	250	
1,1-Dichloroethene	ND	250	250		Methyl-t-Butyl Ether (MTBE)	ND	250	250	
c-1,2-Dichloroethene	ND	250	250		Tert-Butyl Alcohol (TBA)	ND	2500	250	
t-1,2-Dichloroethene	ND	250	250		Diisopropyl Ether (DIPE)	ND	500	250	
1,2-Dichloropropane	ND	250	250		Ethyl-t-Butyl Ether (ETBE)	ND	500	250	
1,3-Dichloropropane	ND	250	250		Tert-Amyl-Methyl Ether (TAME)	ND	500	250	
2,2-Dichloropropane	ND	250	250		Ethanol	ND	25000	250	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	98	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP-02	**11-02-1346-9-B**	**02/18/11 12:20**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 20:14**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	4.6	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	1.7	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	3.1	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	94	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Equipment Blank	**11-02-1346-10-B**	**02/18/11 14:24**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 20:43**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-126		1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank	**11-02-1346-11-B**	**02/18/11 14:40**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 21:11**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-126		1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 12 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate-1	**11-02-1346-12-C**	**02/18/11 00:00**	**Aqueous**	**GC/MS XX**	**02/22/11**	**02/22/11 18:00**	**110222L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	15	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	7.5	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	1.5	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 13 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**11-02-1346-13-B**	**02/18/11 00:00**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 12:36**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	94	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-3,740**	**N/A**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11 12:07**	**110221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	96	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-3,745**	**N/A**	**Aqueous**	**GC/MS R**	**02/19/11**	**02/19/11 22:45**	**110219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	80-126		1,2-Dichloroethane-d4	94	80-134	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 16 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-3,757**	**N/A**	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/22/11 00:31**	**110221L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-126		1,2-Dichloroethane-d4	94	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-3,764**	**N/A**	**Aqueous**	**GC/MS XX**	**02/22/11**	**02/22/11 12:15**	**110222L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-126		1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
PZL-0018	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11**	**110221S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	44	37	6-138	17	0-39	
2-Chlorophenol	76	63	48-120	18	0-26	
1,4-Dichlorobenzene	61	51	13-145	18	0-26	
N-Nitroso-di-n-propylamine	77	64	60-144	18	0-40	
Naphthalene	41	29	50-150	14	0-20	3
4-Chloro-3-Methylphenol	75	64	58-130	16	0-27	
Dimethyl Phthalate	71	63	50-150	11	0-20	
Acenaphthylene	71	65	50-150	10	0-20	
Acenaphthene	72	64	46-136	12	0-19	
4-Nitrophenol	55	49	8-176	12	0-34	
2,4-Dinitrotoluene	71	63	54-144	12	0-17	
Fluorene	73	64	50-150	13	0-20	
Pentachlorophenol	79	70	52-136	12	0-35	
Pyrene	71	61	39-165	16	0-56	
Butyl Benzyl Phthalate	72	63	50-150	12	0-20	
1,2,4-Trichlorobenzene	70	60	28-136	15	0-27	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
PZL-0018	**Aqueous**	**GC/MS R**	**02/19/11**	**02/20/11**	**110219S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	0	0	78-120	4	0-20	3
Carbon Tetrachloride	72	76	67-139	5	0-20	
Chlorobenzene	89	95	80-120	7	0-20	
1,2-Dibromoethane	84	91	80-123	8	0-20	
1,2-Dichlorobenzene	91	96	76-120	6	0-20	
1,2-Dichloroethane	284	296	76-130	4	0-20	3
1,1-Dichloroethene	89	92	70-130	4	0-27	
Ethylbenzene	0	11	73-127	6	0-20	3
Toluene	76	80	72-126	4	0-20	
Trichloroethene	83	87	74-122	4	0-20	
Vinyl Chloride	82	85	65-131	4	0-24	
Methyl-t-Butyl Ether (MTBE)	74	77	69-123	3	0-20	
Tert-Butyl Alcohol (TBA)	106	112	65-131	5	0-22	
Diisopropyl Ether (DIPE)	78	81	68-128	4	0-22	
Ethyl-t-Butyl Ether (ETBE)	77	79	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	74	77	70-124	5	0-20	
Ethanol	107	111	41-155	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SWL-0051	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11**	**110221S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	102	78-120	3	0-20	
Carbon Tetrachloride	90	91	67-139	1	0-20	
Chlorobenzene	95	93	80-120	2	0-20	
1,2-Dibromoethane	91	88	80-123	3	0-20	
1,2-Dichlorobenzene	91	89	76-120	2	0-20	
1,2-Dichloroethane	94	92	76-130	3	0-20	
1,1-Dichloroethene	100	85	70-130	16	0-27	
Ethylbenzene	94	92	73-127	2	0-20	
Toluene	103	101	72-126	2	0-20	
Trichloroethene	103	100	74-122	2	0-20	
Vinyl Chloride	97	92	65-131	5	0-24	
Methyl-t-Butyl Ether (MTBE)	89	89	69-123	0	0-20	
Tert-Butyl Alcohol (TBA)	116	97	65-131	19	0-22	
Diisopropyl Ether (DIPE)	93	93	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	87	86	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	85	83	70-124	3	0-20	
Ethanol	99	92	41-155	8	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-02-1332-1	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/22/11**	**110221S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	104	78-120	3	0-20	
Toluene	105	102	72-126	3	0-20	
Ethylbenzene	96	94	73-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	92	89	69-123	3	0-20	
Tert-Butyl Alcohol (TBA)	126	119	65-131	6	0-22	
Diisopropyl Ether (DIPE)	98	95	68-128	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	89	88	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	85	84	70-124	1	0-20	
Ethanol	100	99	41-155	1	0-35	
1,1-Dichloroethene	85	100	70-130	16	0-27	
1,2-Dibromoethane	92	90	80-123	2	0-20	
1,2-Dichlorobenzene	91	89	76-120	3	0-20	
1,2-Dichloroethane	97	93	76-130	4	0-20	
Carbon Tetrachloride	92	92	67-139	0	0-20	
Chlorobenzene	97	95	80-120	3	0-20	
Trichloroethene	104	101	74-122	3	0-20	
Vinyl Chloride	101	98	65-131	4	0-24	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	02/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-02-1220-4	**Aqueous**	**GC/MS XX**	**02/22/11**	**02/22/11**	**110222S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	102	78-120	6	0-20	
Toluene	107	101	72-126	6	0-20	
Ethylbenzene	98	92	73-127	6	0-20	
Methyl-t-Butyl Ether (MTBE)	90	85	69-123	6	0-20	
Tert-Butyl Alcohol (TBA)	93	85	65-131	9	0-22	
Diisopropyl Ether (DIPE)	96	91	68-128	6	0-22	
Ethyl-t-Butyl Ether (ETBE)	88	84	69-123	5	0-21	
Tert-Amyl-Methyl Ether (TAME)	86	80	70-124	7	0-20	
Ethanol	92	84	41-155	9	0-35	
1,1-Dichloroethene	104	100	70-130	4	0-27	
1,2-Dibromoethane	91	85	80-123	6	0-20	
1,2-Dichlorobenzene	93	87	76-120	7	0-20	
1,2-Dichloroethane	97	90	76-130	7	0-20	
Carbon Tetrachloride	94	92	67-139	2	0-20	
Chlorobenzene	98	92	80-120	7	0-20	
Trichloroethene	106	102	74-122	5	0-20	
Vinyl Chloride	100	94	65-131	6	0-24	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,094	**Aqueous**	**GC/MS P**	**02/21/11**	**02/22/11**	**110221L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Phenol	43	44	4-142	0-165	2	0-24	
2-Chlorophenol	88	87	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	64	63	50-122	38-134	2	0-19	
N-Nitroso-di-n-propylamine	89	89	56-146	41-161	0	0-22	
Naphthalene	75	74	21-133	2-152	1	0-20	
4-Chloro-3-Methylphenol	92	91	55-121	44-132	1	0-18	
Dimethyl Phthalate	89	90	0-112	0-131	1	0-20	
Acenaphthylene	88	87	33-145	14-164	1	0-20	
Acenaphthene	87	87	55-139	41-153	0	0-17	
4-Nitrophenol	55	56	1-145	0-169	3	0-29	
2,4-Dinitrotoluene	90	91	41-161	21-181	1	0-22	
Fluorene	89	90	59-121	49-131	0	0-20	
Pentachlorophenol	91	89	34-130	18-146	2	0-23	
Pyrene	96	96	38-170	16-192	0	0-27	
Butyl Benzyl Phthalate	86	86	0-152	0-177	0	0-20	
1,2,4-Trichlorobenzene	72	70	49-121	37-133	2	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-3,745	**Aqueous**	**GC/MS R**	**02/19/11**	**02/19/11**	**110219L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	91	80-120	73-127	5	0-20	
Carbon Tetrachloride	86	82	66-138	54-150	4	0-20	
Chlorobenzene	99	95	80-120	73-127	4	0-20	
1,2-Dibromoethane	98	92	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	102	97	80-120	73-127	5	0-20	
1,2-Dichloroethane	95	90	80-129	72-137	5	0-20	
1,1-Dichloroethene	98	96	71-131	61-141	2	0-20	
Ethylbenzene	96	93	80-123	73-130	4	0-20	
Toluene	97	93	79-121	72-128	4	0-20	
Trichloroethene	96	91	80-120	73-127	6	0-20	
Vinyl Chloride	97	97	70-136	59-147	0	0-20	
Methyl-t-Butyl Ether (MTBE)	93	86	72-126	63-135	7	0-22	
Tert-Butyl Alcohol (TBA)	87	97	71-125	62-134	11	0-25	
Diisopropyl Ether (DIPE)	87	84	69-129	59-139	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	87	69-129	59-139	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	86	67-133	56-144	7	0-20	
Ethanol	106	103	47-155	29-173	3	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-3,740	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11**	**110221L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	104	80-120	73-127	0	0-20	
Carbon Tetrachloride	96	95	66-138	54-150	1	0-20	
Chlorobenzene	94	96	80-120	73-127	1	0-20	
1,2-Dibromoethane	90	91	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	90	91	80-120	73-127	1	0-20	
1,2-Dichloroethane	93	92	80-129	72-137	1	0-20	
1,1-Dichloroethene	81	82	71-131	61-141	1	0-20	
Ethylbenzene	93	95	80-123	73-130	1	0-20	
Toluene	103	103	79-121	72-128	1	0-20	
Trichloroethene	103	103	80-120	73-127	0	0-20	
Vinyl Chloride	92	94	70-136	59-147	2	0-20	
Methyl-t-Butyl Ether (MTBE)	88	89	72-126	63-135	2	0-22	
Tert-Butyl Alcohol (TBA)	95	90	71-125	62-134	6	0-25	
Diisopropyl Ether (DIPE)	93	93	69-129	59-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	81	87	69-129	59-139	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	78	85	67-133	56-144	9	0-20	
Ethanol	111	96	47-155	29-173	15	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-3,757	**Aqueous**	**GC/MS XX**	**02/21/11**	**02/21/11**	**110221L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	98	80-120	73-127	2	0-20	
Carbon Tetrachloride	90	86	66-138	54-150	4	0-20	
Chlorobenzene	92	90	80-120	73-127	2	0-20	
1,2-Dibromoethane	88	87	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	88	87	80-120	73-127	1	0-20	
1,2-Dichloroethane	90	89	80-129	72-137	1	0-20	
1,1-Dichloroethene	98	79	71-131	61-141	22	0-20	X
Ethylbenzene	92	89	80-123	73-130	3	0-20	
Toluene	100	97	79-121	72-128	2	0-20	
Trichloroethene	101	97	80-120	73-127	4	0-20	
Vinyl Chloride	93	96	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	87	87	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	85	87	71-125	62-134	3	0-25	
Diisopropyl Ether (DIPE)	91	90	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	85	85	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	82	82	67-133	56-144	1	0-20	
Ethanol	90	93	47-155	29-173	4	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-02-1346
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-3,764	**Aqueous**	**GC/MS XX**	**02/22/11**	**02/22/11**	**110222L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	107	80-120	73-127	1	0-20	
Carbon Tetrachloride	96	96	66-138	54-150	0	0-20	
Chlorobenzene	99	99	80-120	73-127	1	0-20	
1,2-Dibromoethane	93	94	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	94	94	80-120	73-127	0	0-20	
1,2-Dichloroethane	97	96	80-129	72-137	0	0-20	
1,1-Dichloroethene	103	85	71-131	61-141	19	0-20	
Ethylbenzene	98	98	80-123	73-130	0	0-20	
Toluene	107	107	79-121	72-128	0	0-20	
Trichloroethene	106	106	80-120	73-127	0	0-20	
Vinyl Chloride	96	101	70-136	59-147	5	0-20	
Methyl-t-Butyl Ether (MTBE)	91	92	72-126	63-135	2	0-22	
Tert-Butyl Alcohol (TBA)	90	90	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	97	97	69-129	59-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	89	91	69-129	59-139	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	87	88	67-133	56-144	1	0-20	
Ethanol	96	99	47-155	29-173	3	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-02-1346

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: ~~2/18/00~~ 2-18-11

PAGE: 1 of 2

SAMPLING COMPANY: C2 REM

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA

GLOBAL ID NO.:

ADDRESS: 2382 S.E. Bristol, Suite B

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 97-101

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): C2 REM field personnel

LAB USE ONLY: 02-1346

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

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.	VOC's 8260	SVOC's 8270	TEMPERATURE ON RECEIPT C°
1	PLZ-0018	2/18/11	0905	W	4	3	1	MS/MSD COLLECTED
2	PLZ-0019		1340					FROM PLZ-0018
3	PLZ-0020		1412					
4	PLZ-0022		1243					
5	SWL-0008		1100					
6	SWL-0044		1003					
7	SWL-0051		1212					
8	XMW-29		0850					
9	XP-02	2/18/11	1220					
10	EQUIPMENT BLANK	2/18/11	1424	W	4	3	1	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	2/18/11	15:58
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: ~~10/ 706~~ 2-18-11

PAGE: 2 of 2

SAMPLING COMPANY: C2 REM

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA

GLOBAL ID NO.:

ADDRESS: 2382 S.E. Bristol, Suite B

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 97-101

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

SAMPLER NAME(S) (Print): C2 REM field personnel

LAB USE ONLY: 02 - 1346

TELEPHONE: 949-261-8098 FAX: 949-261-8097 E-MAIL: sklemm@c2rem.com

TURNAROUND TIME (BUSINESS DAYS): ☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

REQUESTED ANALYSIS

☐ 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 ☐

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	VOC's 8260	SVOC's 8270	FIELD NOTES
11	FIELD BLANK	2/18/11	1440	W	3	3		
12	DUPLICATE -1	1	—	W	4	3	1	
1 ~~13~~	MS/MSD	1	0910	W	4	3	1	
13	TRIP BLANK	2/18/11	—	W	2	2		

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	2/18/11	1558
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-02- 1 3 4 6

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: C2 REM

DATE: 02/18/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.2 °C + 0.5 °C (CF) = 2.7 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: RS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: TY

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑ 2/18/11	☑	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☑1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** TY

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** DC

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** DC

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-02-1346

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☑ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-1) label per Sample is PZL-0018
(-2) label per Sample is PZL-0019
(-3) label per Sample is PZL-0020
(-4) label per Sample is PZL-0022
(collection date & time matched)

(-12) 1 liter Amber $Na_2S_2O_3$ has no ID and time

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: JY 02/18/11

David Sampson

From: Ian Yusko [IYusko@c2rem.com]
Sent: Monday, February 21, 2011 9:35 AM
To: David Sampson
Subject: RE: 11-02-1346

Good morning David,

The COC should read "PZL", not "PLZ". Sorry for the mix-up there. Also, I am confident that if all other 1L Amber bottles are identified and accounted for except for the duplicate that our mystery bottle is indeed for that sample. So, please go forward with running that bottle for SVOCs for the duplicate. Thanks.

Should you have any questions, please contact me at (949)261-8098 or respond directly to this email. Thank you.

Ian Yusko, C2 REM
Project Engineer/ Field Supervisor

2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660
Phone: (949)261-8098
Fax: (949)261-8097

From: Stefan Klemm
Sent: Monday, February 21, 2011 9:30 AM
To: Ian Yusko; Seamus McGeough
Subject: FW: 11-02-1346

From: David Sampson [mailto:dsampson@calscience.com]
Sent: Monday, February 21, 2011 9:28 AM
To: Stefan Klemm
Subject: 11-02-1346

Stefan,

The samples IDs for samples 1-4 are "PLZ-" on the COC but "PZL-" on the sample labels.

Also we received a 1L amber glass with Na2S203 with no ID, date, or time listed. Every sample that was marked for for SVOCs had the associated 1L bottle with matching ID, date, and time except sample 12 (Duplicate-1) so we are assuming the blank 1L bottle goes with that sample. Let me know if that sounds right to you and whether you want us to proceed with the analysis of that sample.

<<11-02-1346.PDF>>

David Sampson
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x230
Fax: 714-894-7501
dsampson@calscience.com

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Calscience Environmental Laboratories, Inc.

March 22, 2011

Stefan Klemm
C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Subject: **Calscience Work Order No.: 11-03-1309**
Client Reference: 20245 S. Vermont St., Torrance, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/18/2011 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

For

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0018	**11-03-1309-1-D**	**03/18/11 08:20**	**Aqueous**	**GC/MS TT**	**03/18/11**	**03/21/11 13:35**	**110318L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	59	7-121		Phenol-d6	51	1-127	
Nitrobenzene-d5	140	50-146		2-Fluorobiphenyl	123	42-138	
2,4,6-Tribromophenol	41	41-137		p-Terphenyl-d14	127	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate	**11-03-1309-2-D**	**03/18/11 08:20**	**Aqueous**	**GC/MS TT**	**03/18/11**	**03/21/11 12:43**	**110318L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	54	7-121		Phenol-d6	52	1-127	
Nitrobenzene-d5	150	50-146	2	2-Fluorobiphenyl	134	42-138	
2,4,6-Tribromophenol	53	41-137		p-Terphenyl-d14	145	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank	**11-03-1309-3-D**	**03/18/11 09:30**	**Aqueous**	**GC/MS TT**	**03/18/11**	**03/21/11 13:10**	**110318L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	51	7-121		Phenol-d6	33	1-127	
Nitrobenzene-d5	93	50-146		2-Fluorobiphenyl	80	42-138	
2,4,6-Tribromophenol	94	41-137		p-Terphenyl-d14	88	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Equipment Blank	**11-03-1309-4-D**	**03/18/11 08:30**	**Aqueous**	**GC/MS TT**	**03/18/11**	**03/21/11 14:01**	**110318L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	39	7-121		Phenol-d6	26	1-127	
Nitrobenzene-d5	107	50-146		2-Fluorobiphenyl	95	42-138	
2,4,6-Tribromophenol	71	41-137		p-Terphenyl-d14	103	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,113**	**N/A**	**Aqueous**	**GC/MS TT**	**03/18/11**	**03/21/11 12:16**	**110318L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	64	7-121		Phenol-d6	44	1-127	
Nitrobenzene-d5	91	50-146		2-Fluorobiphenyl	77	42-138	
2,4,6-Tribromophenol	79	41-137		p-Terphenyl-d14	84	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0018	**11-03-1309-1-B**	**03/18/11 08:20**	**Aqueous**	**GC/MS XX**	**03/21/11**	**03/21/11 15:56**	**110321L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2500	50		1,1-Dichloropropene	ND	50	50	
Benzene	4200	25	50		c-1,3-Dichloropropene	ND	25	50	
Bromobenzene	ND	50	50		t-1,3-Dichloropropene	ND	25	50	
Bromochloromethane	ND	50	50		Ethylbenzene	ND	50	50	
Bromodichloromethane	ND	50	50		2-Hexanone	ND	500	50	
Bromoform	ND	50	50		Isopropylbenzene	ND	50	50	
Bromomethane	ND	500	50		p-Isopropyltoluene	ND	50	50	
2-Butanone	ND	500	50		Methylene Chloride	ND	500	50	
n-Butylbenzene	ND	50	50		4-Methyl-2-Pentanone	ND	500	50	
sec-Butylbenzene	ND	50	50		Naphthalene	ND	500	50	
tert-Butylbenzene	ND	50	50		n-Propylbenzene	ND	50	50	
Carbon Disulfide	ND	500	50		Styrene	ND	50	50	
Carbon Tetrachloride	ND	25	50		1,1,1,2-Tetrachloroethane	ND	50	50	
Chlorobenzene	ND	50	50		1,1,2,2-Tetrachloroethane	ND	50	50	
Chloroethane	ND	250	50		Tetrachloroethene	ND	50	50	
Chloroform	ND	50	50		Toluene	ND	50	50	
Chloromethane	ND	500	50		1,2,3-Trichlorobenzene	ND	50	50	
2-Chlorotoluene	ND	50	50		1,2,4-Trichlorobenzene	ND	50	50	
4-Chlorotoluene	ND	50	50		1,1,1-Trichloroethane	ND	50	50	
Dibromochloromethane	ND	50	50		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	50	
1,2-Dibromo-3-Chloropropane	ND	250	50		1,1,2-Trichloroethane	ND	50	50	
1,2-Dibromoethane	ND	50	50		Trichloroethene	ND	50	50	
Dibromomethane	ND	50	50		Trichlorofluoromethane	ND	500	50	
1,2-Dichlorobenzene	ND	50	50		1,2,3-Trichloropropane	ND	250	50	
1,3-Dichlorobenzene	ND	50	50		1,2,4-Trimethylbenzene	ND	50	50	
1,4-Dichlorobenzene	ND	50	50		1,3,5-Trimethylbenzene	ND	50	50	
Dichlorodifluoromethane	ND	50	50		Vinyl Acetate	ND	500	50	
1,1-Dichloroethane	ND	50	50		Vinyl Chloride	ND	25	50	
1,2-Dichloroethane	ND	25	50		Xylenes (total)	ND	50	50	
1,1-Dichloroethene	ND	50	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
c-1,2-Dichloroethene	ND	50	50		Tert-Butyl Alcohol (TBA)	ND	500	50	
t-1,2-Dichloroethene	ND	50	50		Diisopropyl Ether (DIPE)	ND	100	50	
1,2-Dichloropropane	ND	50	50		Ethyl-t-Butyl Ether (ETBE)	ND	100	50	
1,3-Dichloropropane	ND	50	50		Tert-Amyl-Methyl Ether (TAME)	ND	100	50	
2,2-Dichloropropane	ND	50	50		Ethanol	ND	5000	50	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	80-126		1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate	**11-03-1309-2-B**	**03/18/11 08:20**	**Aqueous**	**GC/MS XX**	**03/21/11**	**03/21/11 15:27**	**110321L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2500	50		1,1-Dichloropropene	ND	50	50	
Benzene	4200	25	50		c-1,3-Dichloropropene	ND	25	50	
Bromobenzene	ND	50	50		t-1,3-Dichloropropene	ND	25	50	
Bromochloromethane	ND	50	50		Ethylbenzene	ND	50	50	
Bromodichloromethane	ND	50	50		2-Hexanone	ND	500	50	
Bromoform	ND	50	50		Isopropylbenzene	ND	50	50	
Bromomethane	ND	500	50		p-Isopropyltoluene	ND	50	50	
2-Butanone	ND	500	50		Methylene Chloride	ND	500	50	
n-Butylbenzene	ND	50	50		4-Methyl-2-Pentanone	ND	500	50	
sec-Butylbenzene	ND	50	50		Naphthalene	ND	500	50	
tert-Butylbenzene	ND	50	50		n-Propylbenzene	ND	50	50	
Carbon Disulfide	ND	500	50		Styrene	ND	50	50	
Carbon Tetrachloride	ND	25	50		1,1,1,2-Tetrachloroethane	ND	50	50	
Chlorobenzene	ND	50	50		1,1,2,2-Tetrachloroethane	ND	50	50	
Chloroethane	ND	250	50		Tetrachloroethene	ND	50	50	
Chloroform	ND	50	50		Toluene	ND	50	50	
Chloromethane	ND	500	50		1,2,3-Trichlorobenzene	ND	50	50	
2-Chlorotoluene	ND	50	50		1,2,4-Trichlorobenzene	ND	50	50	
4-Chlorotoluene	ND	50	50		1,1,1-Trichloroethane	ND	50	50	
Dibromochloromethane	ND	50	50		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	50	
1,2-Dibromo-3-Chloropropane	ND	250	50		1,1,2-Trichloroethane	ND	50	50	
1,2-Dibromoethane	ND	50	50		Trichloroethene	ND	50	50	
Dibromomethane	ND	50	50		Trichlorofluoromethane	ND	500	50	
1,2-Dichlorobenzene	ND	50	50		1,2,3-Trichloropropane	ND	250	50	
1,3-Dichlorobenzene	ND	50	50		1,2,4-Trimethylbenzene	ND	50	50	
1,4-Dichlorobenzene	ND	50	50		1,3,5-Trimethylbenzene	ND	50	50	
Dichlorodifluoromethane	ND	50	50		Vinyl Acetate	ND	500	50	
1,1-Dichloroethane	ND	50	50		Vinyl Chloride	ND	25	50	
1,2-Dichloroethane	ND	25	50		Xylenes (total)	ND	50	50	
1,1-Dichloroethene	ND	50	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
c-1,2-Dichloroethene	ND	50	50		Tert-Butyl Alcohol (TBA)	ND	500	50	
t-1,2-Dichloroethene	ND	50	50		Diisopropyl Ether (DIPE)	ND	100	50	
1,2-Dichloropropane	ND	50	50		Ethyl-t-Butyl Ether (ETBE)	ND	100	50	
1,3-Dichloropropane	ND	50	50		Tert-Amyl-Methyl Ether (TAME)	ND	100	50	
2,2-Dichloropropane	ND	50	50		Ethanol	ND	5000	50	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	80-126		1,2-Dichloroethane-d4	108	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank	**11-03-1309-3-B**	**03/18/11 09:30**	**Aqueous**	**GC/MS XX**	**03/21/11**	**03/21/11 16:24**	**110321L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	1.1	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	80-126		1,2-Dichloroethane-d4	109	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Equipment Blank	**11-03-1309-4-B**	**03/18/11 08:30**	**Aqueous**	**GC/MS XX**	**03/21/11**	**03/21/11 16:53**	**110321L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	80-126		1,2-Dichloroethane-d4	110	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**11-03-1309-5-A**	**03/18/11 00:00**	**Aqueous**	**GC/MS XX**	**03/18/11**	**03/18/11 21:36**	**110318L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	80-126		1,2-Dichloroethane-d4	125	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-4,009**	**N/A**	**Aqueous**	**GC/MS XX**	**03/18/11**	**03/18/11 12:02**	**110318L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-4,028**	**N/A**	**Aqueous**	**GC/MS XX**	**03/21/11**	**03/21/11 13:03**	**110321L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	80-126		1,2-Dichloroethane-d4	108	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-1273-1	**Aqueous**	**GC/MS XX**	**03/18/11**	**03/18/11**	**110318S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	114	78-120	5	0-20	
Carbon Tetrachloride	113	120	67-139	5	0-20	
Chlorobenzene	106	111	80-120	5	0-20	
1,2-Dibromoethane	106	112	80-123	6	0-20	
1,2-Dichlorobenzene	100	105	76-120	6	0-20	
1,2-Dichloroethane	116	120	76-130	4	0-20	
1,1-Dichloroethene	109	115	70-130	6	0-27	
Ethylbenzene	108	113	73-127	4	0-20	
Toluene	109	113	72-126	4	0-20	
Trichloroethene	110	116	74-122	5	0-20	
Vinyl Chloride	120	127	65-131	5	0-24	
Methyl-t-Butyl Ether (MTBE)	103	110	69-123	6	0-20	
Tert-Butyl Alcohol (TBA)	95	97	65-131	2	0-22	
Diisopropyl Ether (DIPE)	110	116	68-128	5	0-22	
Ethyl-t-Butyl Ether (ETBE)	101	107	69-123	6	0-21	
Tert-Amyl-Methyl Ether (TAME)	103	109	70-124	5	0-20	
Ethanol	110	116	41-155	5	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	03/18/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-1273-7	**Aqueous**	**GC/MS XX**	**03/21/11**	**03/21/11**	**110321S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	115	78-120	7	0-20	
Carbon Tetrachloride	105	119	67-139	12	0-20	
Chlorobenzene	103	110	80-120	6	0-20	
1,2-Dibromoethane	111	110	80-123	1	0-20	
1,2-Dichlorobenzene	102	106	76-120	3	0-20	
1,2-Dichloroethane	112	112	76-130	0	0-20	
1,1-Dichloroethene	94	106	70-130	12	0-27	
Ethylbenzene	105	115	73-127	9	0-20	
Toluene	107	115	72-126	7	0-20	
Trichloroethene	107	117	74-122	9	0-20	
Vinyl Chloride	110	122	65-131	11	0-24	
Methyl-t-Butyl Ether (MTBE)	109	109	69-123	0	0-20	
Tert-Butyl Alcohol (TBA)	177	162	65-131	7	0-22	3
Diisopropyl Ether (DIPE)	92	95	68-128	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	96	99	69-123	3	0-21	
Tert-Amyl-Methyl Ether (TAME)	108	109	70-124	1	0-20	
Ethanol	110	102	41-155	8	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,113	**Aqueous**	**GC/MS TT**	**03/18/11**	**03/21/11**	**110318L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Phenol	45	45	4-142	0-165	1	0-24	
2-Chlorophenol	91	91	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	78	79	50-122	38-134	1	0-19	
N-Nitroso-di-n-propylamine	100	98	56-146	41-161	2	0-22	
Naphthalene	84	84	21-133	2-152	0	0-20	
4-Chloro-3-Methylphenol	96	96	55-121	44-132	0	0-18	
Dimethyl Phthalate	87	88	0-112	0-131	1	0-20	
Acenaphthylene	83	83	33-145	14-164	1	0-20	
Acenaphthene	83	84	55-139	41-153	1	0-17	
4-Nitrophenol	48	48	1-145	0-169	0	0-29	
2,4-Dinitrotoluene	87	87	41-161	21-181	0	0-22	
Fluorene	85	86	59-121	49-131	2	0-20	
Pentachlorophenol	87	86	34-130	18-146	1	0-23	
Pyrene	78	76	38-170	16-192	3	0-27	
Butyl Benzyl Phthalate	86	84	0-152	0-177	2	0-20	
1,2,4-Trichlorobenzene	80	82	49-121	37-133	2	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-4,009	**Aqueous**	**GC/MS XX**	**03/18/11**	**03/18/11**	**110318L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	113	111	80-120	73-127	1	0-20	
Carbon Tetrachloride	117	116	66-138	54-150	1	0-20	
Chlorobenzene	112	111	80-120	73-127	1	0-20	
1,2-Dibromoethane	113	114	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	107	106	80-120	73-127	1	0-20	
1,2-Dichloroethane	116	115	80-129	72-137	0	0-20	
1,1-Dichloroethene	103	111	71-131	61-141	7	0-20	
Ethylbenzene	113	113	80-123	73-130	1	0-20	
Toluene	113	111	79-121	72-128	1	0-20	
Trichloroethene	114	113	80-120	73-127	1	0-20	
Vinyl Chloride	111	108	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	105	107	72-126	63-135	1	0-22	
Tert-Butyl Alcohol (TBA)	102	101	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	113	113	69-129	59-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	105	105	69-129	59-139	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	108	108	67-133	56-144	0	0-20	
Ethanol	115	112	47-155	29-173	3	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-03-1309
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-4,028	**Aqueous**	**GC/MS XX**	**03/21/11**	**03/21/11**	**110321L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	105	107	80-120	73-127	2	0-20	
Carbon Tetrachloride	110	112	66-138	54-150	2	0-20	
Chlorobenzene	101	104	80-120	73-127	3	0-20	
1,2-Dibromoethane	107	106	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	98	101	80-120	73-127	3	0-20	
1,2-Dichloroethane	105	104	80-129	72-137	1	0-20	
1,1-Dichloroethene	101	103	71-131	61-141	3	0-20	
Ethylbenzene	104	107	80-123	73-130	3	0-20	
Toluene	105	108	79-121	72-128	2	0-20	
Trichloroethene	108	111	80-120	73-127	3	0-20	
Vinyl Chloride	109	112	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	104	104	72-126	63-135	1	0-22	
Tert-Butyl Alcohol (TBA)	90	94	71-125	62-134	4	0-25	
Diisopropyl Ether (DIPE)	90	91	69-129	59-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	93	95	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	103	67-133	56-144	1	0-20	
Ethanol	97	98	47-155	29-173	1	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-03-1309

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 3/18/2011

PAGE: 1 of 1

SAMPLING COMPANY: C2 REM	LOG CODE:
SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA	GLOBAL ID NO.:
ADDRESS: 2382 S.E. Bristol, Suite B	EDF DELIVERABLE TO (Responsible Party or Designee): / PHONE NO.: / E-MAIL: / CONSULTANT PROJECT NO.: 97-101
PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm	SAMPLER NAME(S) (Print): C2 REM field personnel
TELEPHONE: 949-261-8098 / FAX: 949-261-8097 / E-MAIL: sklemm@c2rem.com	LAB USE ONLY: 03-1309

TURNAROUND TIME (BUSINESS DAYS): ☐ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☒ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

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.	VOCs	SVOCs	TEMPERATURE ON RECEIPT C°
1	PZL0018	3/18/11	8:20	water	4	X	X	
2	Duplicate	↓	8:20	↓	4	X	X	
3	Field Blank	↓	9:30	↓	4	X	X	
4	Equipment Blank	↓	8:30	↓	4	X	X	
5	Trip Blank	↓		↓	2	X		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3/18/11	10:57
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-03-1309

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: C2 REM

DATE: 03/18/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 9.2 °C + 0.5 °C (CF) = 9.7 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☑ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: RS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: RS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☑1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 110303A **Labeled/Checked by:** RS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSL

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSL

Calscience Environmental Laboratories, Inc.

June 15, 2011

Kent Vollmer
C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Subject: **Calscience Work Order No.: 11-06-0578**
Client Reference: 20245 S. Vermont St., Torrance, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/8/2011 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Xuan Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 1 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW29	**11-06-0578-1-D**	**06/08/11 14:05**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 15:30**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	67	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	79	7-121		Phenol-d6	55	1-127	
Nitrobenzene-d5	108	50-146		2-Fluorobiphenyl	76	42-138	
2,4,6-Tribromophenol	111	41-137		p-Terphenyl-d14	116	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 2 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL0044	**11-06-0578-2-D**	**06/08/11 12:50**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 15:56**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	160	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	16	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	64	10	1	
Acenaphthene	10	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	49	7-121		Phenol-d6	43	1-127	
Nitrobenzene-d5	99	50-146		2-Fluorobiphenyl	81	42-138	
2,4,6-Tribromophenol	47	41-137		p-Terphenyl-d14	106	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 3 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0024	**11-06-0578-3-D**	**06/08/11 11:35**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 16:23**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	77	7-121		Phenol-d6	50	1-127	
Nitrobenzene-d5	108	50-146		2-Fluorobiphenyl	85	42-138	
2,4,6-Tribromophenol	110	41-137		p-Terphenyl-d14	119	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 4 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0022	**11-06-0578-4-D**	**06/08/11 10:30**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 16:50**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	72	7-121		Phenol-d6	47	1-127	
Nitrobenzene-d5	104	50-146		2-Fluorobiphenyl	76	42-138	
2,4,6-Tribromophenol	101	41-137		p-Terphenyl-d14	112	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 5 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP02	**11-06-0578-5-D**	**06/08/11 09:30**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 17:16**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	68	7-121		Phenol-d6	46	1-127	
Nitrobenzene-d5	101	50-146		2-Fluorobiphenyl	73	42-138	
2,4,6-Tribromophenol	98	41-137		p-Terphenyl-d14	111	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 6 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0019	**11-06-0578-6-D**	**06/08/11 14:12**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 17:43**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	19	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	82	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	61	7-121		Phenol-d6	52	1-127	
Nitrobenzene-d5	101	50-146		2-Fluorobiphenyl	63	42-138	
2,4,6-Tribromophenol	104	41-137		p-Terphenyl-d14	108	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 7 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE-1	**11-06-0578-7-D**	**06/08/11 00:00**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 18:10**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	68	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	120	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	14	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	34	7-121		Phenol-d6	43	1-127	
Nitrobenzene-d5	87	50-146		2-Fluorobiphenyl	63	42-138	
2,4,6-Tribromophenol	20	41-137	2	p-Terphenyl-d14	89	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 8 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0020	**11-06-0578-8-D**	**06/08/11 13:10**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 18:36**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	72	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	140	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	16	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	39	7-121		Phenol-d6	47	1-127	
Nitrobenzene-d5	100	50-146		2-Fluorobiphenyl	74	42-138	
2,4,6-Tribromophenol	21	41-137	2	p-Terphenyl-d14	98	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 9 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0018	**11-06-0578-9-D**	**06/08/11 12:22**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 19:03**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	12	7-121		Phenol-d6	30	1-127	
Nitrobenzene-d5	92	50-146		2-Fluorobiphenyl	74	42-138	
2,4,6-Tribromophenol	8	41-137	2	p-Terphenyl-d14	108	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 10 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0025	**11-06-0578-10-D**	**06/08/11 11:23**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 19:30**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	77	7-121		Phenol-d6	52	1-127	
Nitrobenzene-d5	103	50-146		2-Fluorobiphenyl	74	42-138	
2,4,6-Tribromophenol	108	41-137		p-Terphenyl-d14	112	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 11 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL0008	**11-06-0578-11-D**	**06/08/11 10:08**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 19:57**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	72	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	16	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	67	7-121		Phenol-d6	48	1-127	
Nitrobenzene-d5	101	50-146		2-Fluorobiphenyl	78	42-138	
2,4,6-Tribromophenol	98	41-137		p-Terphenyl-d14	113	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL0051	**11-06-0578-12-D**	**06/08/11 09:22**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 20:24**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	81	7-121		Phenol-d6	55	1-127	
Nitrobenzene-d5	105	50-146		2-Fluorobiphenyl	84	42-138	
2,4,6-Tribromophenol	104	41-137		p-Terphenyl-d14	113	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,160**	**N/A**	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11 15:03**	**110609L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	59	7-121		Phenol-d6	38	1-127	
Nitrobenzene-d5	83	50-146		2-Fluorobiphenyl	69	42-138	
2,4,6-Tribromophenol	83	41-137		p-Terphenyl-d14	86	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 1 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW29	**11-06-0578-1-A**	**06/08/11 14:05**	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11 09:24**	**110609L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10000	500		1,1-Dichloropropene	ND	500	500	
Benzene	170000	1000	2000		c-1,3-Dichloropropene	ND	250	500	
Bromobenzene	ND	500	500		t-1,3-Dichloropropene	ND	250	500	
Bromochloromethane	ND	500	500		Ethylbenzene	ND	500	500	
Bromodichloromethane	ND	500	500		2-Hexanone	ND	5000	500	
Bromoform	ND	500	500		Isopropylbenzene	ND	500	500	
Bromomethane	ND	5000	500		p-Isopropyltoluene	ND	500	500	
2-Butanone	ND	5000	500		Methylene Chloride	ND	5000	500	
n-Butylbenzene	ND	500	500		4-Methyl-2-Pentanone	ND	5000	500	
sec-Butylbenzene	ND	500	500		Naphthalene	ND	5000	500	
tert-Butylbenzene	ND	500	500		n-Propylbenzene	ND	500	500	
Carbon Disulfide	ND	5000	500		Styrene	ND	500	500	
Carbon Tetrachloride	ND	250	500		1,1,1,2-Tetrachloroethane	ND	500	500	
Chlorobenzene	ND	500	500		1,1,2,2-Tetrachloroethane	ND	500	500	
Chloroethane	ND	2500	500		Tetrachloroethene	ND	500	500	
Chloroform	ND	500	500		Toluene	ND	500	500	
Chloromethane	ND	5000	500		1,2,3-Trichlorobenzene	ND	500	500	
2-Chlorotoluene	ND	500	500		1,2,4-Trichlorobenzene	ND	500	500	
4-Chlorotoluene	ND	500	500		1,1,1-Trichloroethane	ND	500	500	
Dibromochloromethane	ND	500	500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	500	
1,2-Dibromo-3-Chloropropane	ND	2500	500		1,1,2-Trichloroethane	ND	500	500	
1,2-Dibromoethane	ND	500	500		Trichloroethene	ND	500	500	
Dibromomethane	ND	500	500		Trichlorofluoromethane	ND	5000	500	
1,2-Dichlorobenzene	ND	500	500		1,2,3-Trichloropropane	ND	2500	500	
1,3-Dichlorobenzene	ND	500	500		1,2,4-Trimethylbenzene	ND	500	500	
1,4-Dichlorobenzene	ND	500	500		1,3,5-Trimethylbenzene	ND	500	500	
Dichlorodifluoromethane	ND	500	500		Vinyl Acetate	ND	5000	500	
1,1-Dichloroethane	ND	500	500		Vinyl Chloride	ND	250	500	
1,2-Dichloroethane	4900	250	500		Xylenes (total)	ND	500	500	
1,1-Dichloroethene	ND	500	500		Methyl-t-Butyl Ether (MTBE)	ND	500	500	
c-1,2-Dichloroethene	ND	500	500		Tert-Butyl Alcohol (TBA)	ND	5000	500	
t-1,2-Dichloroethene	ND	500	500		Diisopropyl Ether (DIPE)	ND	1000	500	
1,2-Dichloropropane	ND	500	500		Ethyl-t-Butyl Ether (ETBE)	ND	1000	500	
1,3-Dichloropropane	ND	500	500		Tert-Amyl-Methyl Ether (TAME)	ND	1000	500	
2,2-Dichloropropane	ND	500	500		Ethanol	ND	50000	500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	80-126		1,2-Dichloroethane-d4	110	80-134	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 2 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL0044	**11-06-0578-2-B**	**06/08/11 12:50**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 17:35**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40	2		1,1-Dichloropropene	ND	2.0	2	
Benzene	4.5	1.0	2		c-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromochloromethane	ND	2.0	2		Ethylbenzene	6.8	2.0	2	
Bromodichloromethane	ND	2.0	2		2-Hexanone	ND	20	2	
Bromoform	ND	2.0	2		Isopropylbenzene	5.0	2.0	2	
Bromomethane	ND	20	2		p-Isopropyltoluene	ND	2.0	2	
2-Butanone	ND	20	2		Methylene Chloride	ND	20	2	
n-Butylbenzene	ND	2.0	2		4-Methyl-2-Pentanone	ND	20	2	
sec-Butylbenzene	8.2	2.0	2		Naphthalene	230	20	2	
tert-Butylbenzene	ND	2.0	2		n-Propylbenzene	3.0	2.0	2	
Carbon Disulfide	ND	20	2		Styrene	ND	2.0	2	
Carbon Tetrachloride	ND	1.0	2		1,1,1,2-Tetrachloroethane	ND	2.0	2	
Chlorobenzene	ND	2.0	2		1,1,2,2-Tetrachloroethane	ND	2.0	2	
Chloroethane	ND	10	2		Tetrachloroethene	2.3	2.0	2	
Chloroform	ND	2.0	2		Toluene	6.9	2.0	2	
Chloromethane	ND	20	2		1,2,3-Trichlorobenzene	ND	2.0	2	
2-Chlorotoluene	ND	2.0	2		1,2,4-Trichlorobenzene	ND	2.0	2	
4-Chlorotoluene	ND	2.0	2		1,1,1-Trichloroethane	ND	2.0	2	
Dibromochloromethane	ND	2.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	2	
1,2-Dibromo-3-Chloropropane	ND	10	2		1,1,2-Trichloroethane	ND	2.0	2	
1,2-Dibromoethane	ND	2.0	2		Trichloroethene	ND	2.0	2	
Dibromomethane	ND	2.0	2		Trichlorofluoromethane	ND	20	2	
1,2-Dichlorobenzene	ND	2.0	2		1,2,3-Trichloropropane	ND	10	2	
1,3-Dichlorobenzene	ND	2.0	2		1,2,4-Trimethylbenzene	ND	2.0	2	
1,4-Dichlorobenzene	ND	2.0	2		1,3,5-Trimethylbenzene	ND	2.0	2	
Dichlorodifluoromethane	ND	2.0	2		Vinyl Acetate	ND	20	2	
1,1-Dichloroethane	ND	2.0	2		Vinyl Chloride	ND	1.0	2	
1,2-Dichloroethane	ND	1.0	2		Xylenes (total)	7.9	2.0	2	
1,1-Dichloroethene	ND	2.0	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	2	
c-1,2-Dichloroethene	ND	2.0	2		Tert-Butyl Alcohol (TBA)	ND	20	2	
t-1,2-Dichloroethene	ND	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
1,2-Dichloropropane	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
1,3-Dichloropropane	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
2,2-Dichloropropane	ND	2.0	2		Ethanol	ND	200	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	117	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 3 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0024	**11-06-0578-3-B**	**06/08/11 11:35**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 18:03**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	80-126		1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 4 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0022	**11-06-0578-4-A**	**06/08/11 10:30**	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11 02:50**	**110609L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 5 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP02	**11-06-0578-5-B**	**06/08/11 09:30**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 18:31**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	9.5	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	1.2	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	3.4	1.0	1	
Chloroform	ND	1.0	1		Toluene	20	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	2.0	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	8.6	1.0	1	
1,1-Dichloroethene	2.4	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	80-126		1,2-Dichloroethane-d4	116	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0019	**11-06-0578-6-B**	**06/08/11 14:12**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 15:14**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	360000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	8800	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 7 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE-1	**11-06-0578-7-C**	**06/08/11 00:00**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 18:59**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	410000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	15000	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 8 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0020	**11-06-0578-8-C**	**06/08/11 13:10**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 19:27**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	410000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	15000	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	80-126		1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0018	**11-06-0578-9-B**	**06/08/11 12:22**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 19:55**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	400	20		1,1-Dichloropropene	ND	20	20	
Benzene	2500	10	20		c-1,3-Dichloropropene	ND	10	20	
Bromobenzene	ND	20	20		t-1,3-Dichloropropene	ND	10	20	
Bromochloromethane	ND	20	20		Ethylbenzene	ND	20	20	
Bromodichloromethane	ND	20	20		2-Hexanone	ND	200	20	
Bromoform	ND	20	20		Isopropylbenzene	ND	20	20	
Bromomethane	ND	200	20		p-Isopropyltoluene	ND	20	20	
2-Butanone	ND	200	20		Methylene Chloride	ND	200	20	
n-Butylbenzene	ND	20	20		4-Methyl-2-Pentanone	ND	200	20	
sec-Butylbenzene	ND	20	20		Naphthalene	ND	200	20	
tert-Butylbenzene	ND	20	20		n-Propylbenzene	ND	20	20	
Carbon Disulfide	ND	200	20		Styrene	ND	20	20	
Carbon Tetrachloride	ND	10	20		1,1,1,2-Tetrachloroethane	ND	20	20	
Chlorobenzene	ND	20	20		1,1,2,2-Tetrachloroethane	ND	20	20	
Chloroethane	ND	100	20		Tetrachloroethene	ND	20	20	
Chloroform	ND	20	20		Toluene	ND	20	20	
Chloromethane	ND	200	20		1,2,3-Trichlorobenzene	ND	20	20	
2-Chlorotoluene	ND	20	20		1,2,4-Trichlorobenzene	ND	20	20	
4-Chlorotoluene	ND	20	20		1,1,1-Trichloroethane	ND	20	20	
Dibromochloromethane	ND	20	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	20	
1,2-Dibromo-3-Chloropropane	ND	100	20		1,1,2-Trichloroethane	ND	20	20	
1,2-Dibromoethane	ND	20	20		Trichloroethene	ND	20	20	
Dibromomethane	ND	20	20		Trichlorofluoromethane	ND	200	20	
1,2-Dichlorobenzene	ND	20	20		1,2,3-Trichloropropane	ND	100	20	
1,3-Dichlorobenzene	ND	20	20		1,2,4-Trimethylbenzene	ND	20	20	
1,4-Dichlorobenzene	ND	20	20		1,3,5-Trimethylbenzene	ND	20	20	
Dichlorodifluoromethane	ND	20	20		Vinyl Acetate	ND	200	20	
1,1-Dichloroethane	ND	20	20		Vinyl Chloride	ND	10	20	
1,2-Dichloroethane	ND	10	20		Xylenes (total)	ND	20	20	
1,1-Dichloroethene	ND	20	20		Methyl-t-Butyl Ether (MTBE)	ND	20	20	
c-1,2-Dichloroethene	ND	20	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
t-1,2-Dichloroethene	ND	20	20		Diisopropyl Ether (DIPE)	ND	40	20	
1,2-Dichloropropane	ND	20	20		Ethyl-t-Butyl Ether (ETBE)	ND	40	20	
1,3-Dichloropropane	ND	20	20		Tert-Amyl-Methyl Ether (TAME)	ND	40	20	
2,2-Dichloropropane	ND	20	20		Ethanol	ND	2000	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0025	**11-06-0578-10-B**	**06/08/11 11:23**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 20:24**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	0.63	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	80-126		1,2-Dichloroethane-d4	116	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL0008	**11-06-0578-11-B**	**06/08/11 10:08**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 20:52**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40	2		1,1-Dichloropropene	ND	2.0	2	
Benzene	340	1.0	2		c-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromochloromethane	ND	2.0	2		Ethylbenzene	25	2.0	2	
Bromodichloromethane	ND	2.0	2		2-Hexanone	ND	20	2	
Bromoform	ND	2.0	2		Isopropylbenzene	54	2.0	2	
Bromomethane	ND	20	2		p-Isopropyltoluene	ND	2.0	2	
2-Butanone	ND	20	2		Methylene Chloride	ND	20	2	
n-Butylbenzene	27	2.0	2		4-Methyl-2-Pentanone	ND	20	2	
sec-Butylbenzene	25	2.0	2		Naphthalene	64	20	2	
tert-Butylbenzene	ND	2.0	2		n-Propylbenzene	120	2.0	2	
Carbon Disulfide	ND	20	2		Styrene	ND	2.0	2	
Carbon Tetrachloride	ND	1.0	2		1,1,1,2-Tetrachloroethane	ND	2.0	2	
Chlorobenzene	ND	2.0	2		1,1,2,2-Tetrachloroethane	ND	2.0	2	
Chloroethane	ND	10	2		Tetrachloroethene	ND	2.0	2	
Chloroform	ND	2.0	2		Toluene	8.3	2.0	2	
Chloromethane	ND	20	2		1,2,3-Trichlorobenzene	ND	2.0	2	
2-Chlorotoluene	ND	2.0	2		1,2,4-Trichlorobenzene	ND	2.0	2	
4-Chlorotoluene	ND	2.0	2		1,1,1-Trichloroethane	ND	2.0	2	
Dibromochloromethane	ND	2.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	2	
1,2-Dibromo-3-Chloropropane	ND	10	2		1,1,2-Trichloroethane	ND	2.0	2	
1,2-Dibromoethane	ND	2.0	2		Trichloroethene	4.3	2.0	2	
Dibromomethane	ND	2.0	2		Trichlorofluoromethane	ND	20	2	
1,2-Dichlorobenzene	ND	2.0	2		1,2,3-Trichloropropane	ND	10	2	
1,3-Dichlorobenzene	ND	2.0	2		1,2,4-Trimethylbenzene	ND	2.0	2	
1,4-Dichlorobenzene	ND	2.0	2		1,3,5-Trimethylbenzene	ND	2.0	2	
Dichlorodifluoromethane	ND	2.0	2		Vinyl Acetate	ND	20	2	
1,1-Dichloroethane	ND	2.0	2		Vinyl Chloride	ND	1.0	2	
1,2-Dichloroethane	ND	1.0	2		Xylenes (total)	5.2	2.0	2	
1,1-Dichloroethene	ND	2.0	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	2	
c-1,2-Dichloroethene	ND	2.0	2		Tert-Butyl Alcohol (TBA)	61	20	2	
t-1,2-Dichloroethene	ND	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
1,2-Dichloropropane	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
1,3-Dichloropropane	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
2,2-Dichloropropane	ND	2.0	2		Ethanol	ND	200	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-126		1,2-Dichloroethane-d4	107	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 12 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL0051	**11-06-0578-12-A**	**06/08/11 09:22**	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11 07:31**	**110609L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	16	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	112	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 13 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQUIPMENT BLANK	**11-06-0578-13-A**	**06/08/11 14:50**	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11 05:10**	**110609L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	12	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	80-126		1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 14 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FIELD BLANK	**11-06-0578-14-A**	**06/08/11 14:55**	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11 05:38**	**110609L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	114	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 15 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIP BLANK	**11-06-0578-15-A**	**06/08/11 00:00**	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11 06:06**	**110609L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-126		1,2-Dichloroethane-d4	111	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 16 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-4,883**	**N/A**	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11 02:21**	**110609L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	80-126		1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 17 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-4,888**	**N/A**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11 14:46**	**110610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	80-126		1,2-Dichloroethane-d4	110	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 18 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-4,897**	**N/A**	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/11/11 02:31**	**110610L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	80-126		1,2-Dichloroethane-d4	113	80-134	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
PZL0022	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11**	**110609S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	113	113	78-120	1	0-20	
Carbon Tetrachloride	114	109	67-139	4	0-20	
Chlorobenzene	106	108	80-120	2	0-20	
1,2-Dibromoethane	112	115	80-123	3	0-20	
1,2-Dichlorobenzene	103	108	76-120	5	0-20	
1,2-Dichloroethane	115	115	76-130	0	0-20	
1,1-Dichloroethene	113	107	70-130	6	0-27	
Ethylbenzene	108	108	73-127	0	0-20	
Toluene	112	112	72-126	0	0-20	
Trichloroethene	110	110	74-122	0	0-20	
Vinyl Chloride	87	88	65-131	1	0-24	
Methyl-t-Butyl Ether (MTBE)	120	120	69-123	0	0-20	
Tert-Butyl Alcohol (TBA)	89	98	65-131	9	0-22	
Diisopropyl Ether (DIPE)	118	117	68-128	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	117	119	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	111	115	70-124	3	0-20	
Ethanol	92	107	41-155	15	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
PZL0019	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11**	**110610S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	70	99	78-120	8	0-20	3
Carbon Tetrachloride	99	106	67-139	7	0-20	
Chlorobenzene	98	106	80-120	8	0-20	
1,2-Dibromoethane	106	117	80-123	10	0-20	
1,2-Dichlorobenzene	102	108	76-120	5	0-20	
1,2-Dichloroethane	115	124	76-130	7	0-20	
1,1-Dichloroethene	96	102	70-130	6	0-27	
Ethylbenzene	97	106	73-127	9	0-20	
Toluene	100	109	72-126	9	0-20	
Trichloroethene	97	106	74-122	9	0-20	
Vinyl Chloride	82	88	65-131	7	0-24	
Methyl-t-Butyl Ether (MTBE)	113	122	69-123	7	0-20	
Tert-Butyl Alcohol (TBA)	92	101	65-131	10	0-22	
Diisopropyl Ether (DIPE)	110	118	68-128	7	0-22	
Ethyl-t-Butyl Ether (ETBE)	110	121	69-123	10	0-21	
Tert-Amyl-Methyl Ether (TAME)	106	118	70-124	11	0-20	
Ethanol	105	111	41-155	6	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	06/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-06-0735-4	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/11/11**	**110610S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	116	114	78-120	2	0-20	
Toluene	116	113	72-126	2	0-20	
Ethylbenzene	110	109	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	126	119	69-123	5	0-20	3
Tert-Butyl Alcohol (TBA)	110	110	65-131	1	0-22	
Diisopropyl Ether (DIPE)	125	121	68-128	4	0-22	
Ethyl-t-Butyl Ether (ETBE)	124	119	69-123	4	0-21	3
Tert-Amyl-Methyl Ether (TAME)	118	114	70-124	3	0-20	
Ethanol	108	110	41-155	1	0-35	
1,1-Dichloroethene	110	107	70-130	3	0-27	
1,2-Dibromoethane	116	112	80-123	3	0-20	
1,2-Dichlorobenzene	108	107	76-120	2	0-20	
1,2-Dichloroethane	120	117	76-130	3	0-20	
Carbon Tetrachloride	115	114	67-139	1	0-20	
Chlorobenzene	110	108	80-120	2	0-20	
Trichloroethene	113	110	74-122	2	0-20	
Vinyl Chloride	86	83	65-131	4	0-24	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,160	**Aqueous**	**GC/MS P**	**06/09/11**	**06/13/11**	**110609L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Phenol	38	38	4-142	0-165	0	0-24	
2-Chlorophenol	84	84	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	70	69	50-122	38-134	0	0-19	
N-Nitroso-di-n-propylamine	90	88	56-146	41-161	3	0-22	
Naphthalene	79	80	21-133	2-152	1	0-20	
4-Chloro-3-Methylphenol	88	87	55-121	44-132	0	0-18	
Dimethyl Phthalate	83	84	0-112	0-131	1	0-20	
Acenaphthylene	79	80	33-145	14-164	1	0-20	
Acenaphthene	84	84	55-139	41-153	0	0-17	
4-Nitrophenol	52	52	1-145	0-169	0	0-29	
2,4-Dinitrotoluene	78	78	41-161	21-181	0	0-22	
Fluorene	85	85	59-121	49-131	0	0-20	
Pentachlorophenol	82	83	34-130	18-146	2	0-23	
Pyrene	87	86	38-170	16-192	0	0-27	
Butyl Benzyl Phthalate	97	96	0-152	0-177	1	0-20	
1,2,4-Trichlorobenzene	76	76	49-121	37-133	1	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-4,883	**Aqueous**	**GC/MS XX**	**06/09/11**	**06/10/11**	**110609L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	102	80-120	73-127	8	0-20	
Carbon Tetrachloride	91	97	66-138	54-150	6	0-20	
Chlorobenzene	93	99	80-120	73-127	6	0-20	
1,2-Dibromoethane	102	114	80-120	73-127	11	0-20	
1,2-Dichlorobenzene	94	102	80-120	73-127	8	0-20	
1,2-Dichloroethane	102	114	80-129	72-137	11	0-20	
1,1-Dichloroethene	89	94	71-131	61-141	6	0-20	
Ethylbenzene	90	96	80-123	73-130	6	0-20	
Toluene	95	102	79-121	72-128	7	0-20	
Trichloroethene	95	99	80-120	73-127	4	0-20	
Vinyl Chloride	80	86	70-136	59-147	7	0-20	
Methyl-t-Butyl Ether (MTBE)	107	119	72-126	63-135	10	0-22	
Tert-Butyl Alcohol (TBA)	94	97	71-125	62-134	3	0-25	
Diisopropyl Ether (DIPE)	103	113	69-129	59-139	9	0-20	
Ethyl-t-Butyl Ether (ETBE)	105	115	69-129	59-139	9	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	114	67-133	56-144	12	0-20	
Ethanol	107	97	47-155	29-173	10	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-4,888	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/10/11**	**110610L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	105	109	80-120	73-127	3	0-20	
Carbon Tetrachloride	102	106	66-138	54-150	4	0-20	
Chlorobenzene	102	104	80-120	73-127	3	0-20	
1,2-Dibromoethane	115	109	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	105	106	80-120	73-127	1	0-20	
1,2-Dichloroethane	115	113	80-129	72-137	2	0-20	
1,1-Dichloroethene	98	101	71-131	61-141	3	0-20	
Ethylbenzene	99	105	80-123	73-130	5	0-20	
Toluene	106	110	79-121	72-128	4	0-20	
Trichloroethene	102	107	80-120	73-127	5	0-20	
Vinyl Chloride	88	80	70-136	59-147	9	0-20	
Methyl-t-Butyl Ether (MTBE)	122	117	72-126	63-135	4	0-22	
Tert-Butyl Alcohol (TBA)	101	96	71-125	62-134	5	0-25	
Diisopropyl Ether (DIPE)	116	115	69-129	59-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	119	115	69-129	59-139	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	115	112	67-133	56-144	3	0-20	
Ethanol	118	108	47-155	29-173	9	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-06-0578
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-4,897	**Aqueous**	**GC/MS XX**	**06/10/11**	**06/11/11**	**110610L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	110	80-120	73-127	6	0-20	
Carbon Tetrachloride	101	107	66-138	54-150	6	0-20	
Chlorobenzene	100	105	80-120	73-127	4	0-20	
1,2-Dibromoethane	108	115	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	100	105	80-120	73-127	5	0-20	
1,2-Dichloroethane	111	116	80-129	72-137	5	0-20	
1,1-Dichloroethene	96	101	71-131	61-141	5	0-20	
Ethylbenzene	100	104	80-123	73-130	4	0-20	
Toluene	104	110	79-121	72-128	5	0-20	
Trichloroethene	103	109	80-120	73-127	6	0-20	
Vinyl Chloride	78	84	70-136	59-147	7	0-20	
Methyl-t-Butyl Ether (MTBE)	112	123	72-126	63-135	9	0-22	
Tert-Butyl Alcohol (TBA)	95	95	71-125	62-134	0	0-25	
Diisopropyl Ether (DIPE)	111	119	69-129	59-139	7	0-20	
Ethyl-t-Butyl Ether (ETBE)	111	121	69-129	59-139	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	109	117	67-133	56-144	7	0-20	
Ethanol	104	105	47-155	29-173	1	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-06-0578

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way
Garden Grove, CA 92841-1432
(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY)

SAP or CRMT NUMBER (TS/CRMT)

DATE: 6/8/11
PAGE: 1 of 2

SAMPLING COMPANY: C2 REM
LOG CODE:
SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA
GLOBAL ID NO.:
ADDRESS: 2382 S.E. Bristol, Suite B
EDF DELIVERABLE TO (Responsible Party or Designee):
PHONE NO.: 310-538-3265
E-MAIL:
CONSULTANT PROJECT NO.: 97-101
PROJECT CONTACT (Hardcopy or PDF Report to): [redacted] Kent Vollmer
SAMPLER NAME(S) (Print): C2 REM field personnel
LAB USE ONLY: 06- 0578
TELEPHONE: 949-261-8098
FAX: 949-261-8097
E-MAIL: kvollmer@c2rem[redacted].com

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

MS/MSD FOR PZL 0019

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.	8260B VOCs + OXYs	8270C SVOCs	TEMPERATURE ON RECEIPT C°
1	XMW 29	6/8/11	1405	Water	4	X	X	
2	SWL 0044		1250		4			
3	PZL 0024		1135		4			
4	PZL 0022		1030		4			
5	XP 02		0930		4			
6	PZL 0019		1412		7			
7	DUPLICATE-1		—		4			
8	PZL 0020		1310		4			
9	PZL 0018		1222		4			
10	PZL 0025		1123		4			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	6/8/11	1616
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

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CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way
Garden Grove, CA 92841-1432
(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):
SAP or CRMT NUMBER (TS/CRMT):

DATE: 6/8/11
PAGE: 2 of 2

SAMPLING COMPANY: C2 REM
LOG CODE:
SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA
GLOBAL ID NO.:
ADDRESS: 2382 S.E. Bristol, Suite B
EDF DELIVERABLE TO (Responsible Party or Designee):
PHONE NO.: 310-538-3265
E-MAIL:
CONSULTANT PROJECT NO.: 97-101
PROJECT CONTACT (Hardcopy or PDF Report to): ~~Stefan Klemm~~ Kent Vollmer
TELEPHONE: 949-261-8098
FAX: 949-261-8097
E-MAIL: ~~sklemm@c2rem.com~~ kvollmer@c2rem.com
SAMPLER NAME(S) (Print): C2 REM field personnel
LAB USE ONLY: 06- 0578

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

MS/MSD FOR PZL 0019

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.	8260B VOCs + OXYs	8270C SVOCs	TEMPERATURE ON RECEIPT C°
11	SWL0008	6/8/11	1008	WATER	4	X	X	
12	SWL0051	↓	0922	↓	4	↓	X	
13	EQUIPMENT BLANK	↓	1450	↓	3	↓		
14	FIELD BLANK	↓	1455	↓	3	↓		
15	TRIP BLANK	↓	—	↓	2	↓		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	6/8/11	1616
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-06-0578

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: CJ REM

DATE: 06/08/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 4.0 °C + 0.5 °C (CF) = 4.5 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: RS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: D.L

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☑1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** N/A **Labeled/Checked by:** DL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** YL

*(-6) received 6 vials w/HCL

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-06-0578

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: C2 REM

DATE: 06/08/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 4.2 °C + 0.5 °C (CF) = 4.7 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: RS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: DL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☑1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** DL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** YL

Calscience
Environmental & Marine Chemistry Laboratories

CALSCIENCE
WORK ORDER NUMBER: 11-09-0336

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: C2 REM

Client Project Name: 20245 S. Vermont St., Torrance, CA

Attention: Kent Vollmer
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Approved for release on 09/21/2011 by:
Xuan Dang
Project Manager

ResultLink ▸

Email your PM ▸

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience
Environmental & Marine Chemistry Laboratories

Contents

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Work Order Number: 11-09-0336

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Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-09-0336
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	09/07/11 17:05
Attn:	Kent Vollmer		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
PZL 0018						
Benzene	**3200**		10	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**23**		20	ug/L	EPA 8260B	EPA 5030C
PZL 0019						
Phenol	**39**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**61**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**400000**		1200	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**5900**		2500	ug/L	EPA 8260B	EPA 5030C
PZL 0020						
Phenol	**120**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**210**		10	ug/L	EPA 8270C	EPA 3510C
2-Methylnaphthalene	**26**		10	ug/L	EPA 8270C	EPA 3510C
Phenanthrene	**14**		10	ug/L	EPA 8270C	EPA 3510C
1-Methylnaphthalene	**16**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**370000**		1200	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**13000**		2500	ug/L	EPA 8260B	EPA 5030C
SWL 0008						
Naphthalene	**24**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**140**		0.50	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	**18**		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	**23**		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	**1.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**12**		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	**36**		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	**30**		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	**67**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**5.8**		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**5.5**		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	**3.1**		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	**69**		10	ug/L	EPA 8260B	EPA 5030C

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-09-0336
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	09/07/11 17:05
Attn:	Kent Vollmer		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
SWL 0044						
Naphthalene	**88**		10	ug/L	EPA 8270C	EPA 3510C
Phenanthrene	**10**		10	ug/L	EPA 8270C	EPA 3510C
1-Methylnaphthalene	**39**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**50**		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	**5.0**		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**6.8**		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	**7.0**		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	**94**		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	**2.0**		1.0	ug/L	EPA 8260B	EPA 5030C
Styrene	**1.9**		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	**1.5**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**7.3**		1.0	ug/L	EPA 8260B	EPA 5030C
1,2,4-Trimethylbenzene	**2.0**		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	**14**		1.0	ug/L	EPA 8260B	EPA 5030C
SWL 0051						
Trichloroethene	**11**		1.0	ug/L	EPA 8260B	EPA 5030C
XMW 29						
Phenol	**82**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**100000**		500	ug/L	EPA 8260B	EPA 5030C
XP 02						
1,1-Dichloroethene	**2.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	**2.8**		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**1.5**		1.0	ug/L	EPA 8260B	EPA 5030C

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-09-0336
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	09/07/11 17:05
Attn:	Kent Vollmer		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Duplicate						
Naphthalene	**15**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**140**		0.50	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	**17**		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	**22**		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	**1.8**		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**11**		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	**35**		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	**30**		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	**65**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**6.0**		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**5.5**		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	**3.1**		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	**73**		10	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 1 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0018	**11-09-0336-1-D**	**09/07/11 13:57**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 20:20**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	58	42-138		2-Fluorophenol	40	7-121	
Nitrobenzene-d5	68	50-146		p-Terphenyl-d14	73	47-173	
Phenol-d6	30	1-127		2,4,6-Tribromophenol	69	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 2 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0019	**11-09-0336-2-D**	**09/07/11 14:18**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 20:47**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	61	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	39	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	66	42-138		2-Fluorophenol	49	7-121	
Nitrobenzene-d5	70	50-146		p-Terphenyl-d14	85	47-173	
Phenol-d6	37	1-127		2,4,6-Tribromophenol	94	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 3 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0020	**11-09-0336-3-D**	**09/07/11 15:30**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 21:15**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	26	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	16	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	210	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	14	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	120	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	72	42-138		2-Fluorophenol	34	7-121	
Nitrobenzene-d5	80	50-146		p-Terphenyl-d14	90	47-173	
Phenol-d6	38	1-127		2,4,6-Tribromophenol	94	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 4 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0022	**11-09-0336-4-D**	**09/07/11 09:15**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 21:43**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	68	42-138		2-Fluorophenol	52	7-121	
Nitrobenzene-d5	82	50-146		p-Terphenyl-d14	87	47-173	
Phenol-d6	38	1-127		2,4,6-Tribromophenol	97	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 5 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0024	**11-09-0336-5-D**	**09/07/11 10:28**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 22:10**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	44	42-138		2-Fluorophenol	36	7-121	
Nitrobenzene-d5	57	50-146		p-Terphenyl-d14	64	47-173	
Phenol-d6	27	1-127		2,4,6-Tribromophenol	61	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0025	**11-09-0336-6-D**	**09/07/11 11:28**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 22:37**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	57	42-138		2-Fluorophenol	50	7-121	
Nitrobenzene-d5	75	50-146		p-Terphenyl-d14	80	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	86	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 7 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0008	**11-09-0336-7-D**	**09/07/11 10:23**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 23:04**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	24	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	63	42-138		2-Fluorophenol	54	7-121	
Nitrobenzene-d5	77	50-146		p-Terphenyl-d14	87	47-173	
Phenol-d6	39	1-127		2,4,6-Tribromophenol	94	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 8 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0044	**11-09-0336-8-D**	**09/07/11 15:00**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 23:32**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	39	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	88	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	10	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	58	42-138		2-Fluorophenol	43	7-121	
Nitrobenzene-d5	69	50-146		p-Terphenyl-d14	78	47-173	
Phenol-d6	31	1-127		2,4,6-Tribromophenol	82	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0051	**11-09-0336-9-D**	**09/07/11 09:37**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 23:59**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	56	42-138		2-Fluorophenol	48	7-121	
Nitrobenzene-d5	74	50-146		p-Terphenyl-d14	79	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	80	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 10 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW 29	**11-09-0336-10-D**	**09/07/11 12:43**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/10/11 00:27**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	82	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	63	42-138		2-Fluorophenol	53	7-121	
Nitrobenzene-d5	81	50-146		p-Terphenyl-d14	87	47-173	
Phenol-d6	37	1-127		2,4,6-Tribromophenol	91	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP 02	**11-09-0336-11-D**	**09/07/11 12:12**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/10/11 00:55**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	54	42-138		2-Fluorophenol	46	7-121	
Nitrobenzene-d5	72	50-146		p-Terphenyl-d14	74	47-173	
Phenol-d6	32	1-127		2,4,6-Tribromophenol	82	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate	**11-09-0336-12-D**	**09/07/11 00:00**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 19:30**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	15	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	60	42-138		2-Fluorophenol	48	7-121	
Nitrobenzene-d5	64	50-146		p-Terphenyl-d14	91	47-173	
Phenol-d6	32	1-127		2,4,6-Tribromophenol	99	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,214**	**N/A**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 13:55**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	68	42-138		2-Fluorophenol	49	7-121	
Nitrobenzene-d5	84	50-146		p-Terphenyl-d14	84	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	99	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 1 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0018	**11-09-0336-1-A**	**09/07/11 13:57**	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11 22:58**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	400	20		1,1-Dichloropropene	ND	20	20	
Benzene	3200	10	20		c-1,3-Dichloropropene	ND	10	20	
Bromobenzene	ND	20	20		t-1,3-Dichloropropene	ND	10	20	
Bromochloromethane	ND	20	20		Ethylbenzene	23	20	20	
Bromodichloromethane	ND	20	20		2-Hexanone	ND	200	20	
Bromoform	ND	20	20		Isopropylbenzene	ND	20	20	
Bromomethane	ND	200	20		p-Isopropyltoluene	ND	20	20	
2-Butanone	ND	200	20		Methylene Chloride	ND	200	20	
n-Butylbenzene	ND	20	20		4-Methyl-2-Pentanone	ND	200	20	
sec-Butylbenzene	ND	20	20		Naphthalene	ND	200	20	
tert-Butylbenzene	ND	20	20		n-Propylbenzene	ND	20	20	
Carbon Disulfide	ND	200	20		Styrene	ND	20	20	
Carbon Tetrachloride	ND	10	20		1,1,1,2-Tetrachloroethane	ND	20	20	
Chlorobenzene	ND	20	20		1,1,2,2-Tetrachloroethane	ND	20	20	
Chloroethane	ND	100	20		Tetrachloroethene	ND	20	20	
Chloroform	ND	20	20		Toluene	ND	20	20	
Chloromethane	ND	200	20		1,2,3-Trichlorobenzene	ND	20	20	
2-Chlorotoluene	ND	20	20		1,2,4-Trichlorobenzene	ND	20	20	
4-Chlorotoluene	ND	20	20		1,1,1-Trichloroethane	ND	20	20	
Dibromochloromethane	ND	20	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	20	
1,2-Dibromo-3-Chloropropane	ND	100	20		1,1,2-Trichloroethane	ND	20	20	
1,2-Dibromoethane	ND	20	20		Trichloroethene	ND	20	20	
Dibromomethane	ND	20	20		Trichlorofluoromethane	ND	200	20	
1,2-Dichlorobenzene	ND	20	20		1,2,3-Trichloropropane	ND	100	20	
1,3-Dichlorobenzene	ND	20	20		1,2,4-Trimethylbenzene	ND	20	20	
1,4-Dichlorobenzene	ND	20	20		1,3,5-Trimethylbenzene	ND	20	20	
Dichlorodifluoromethane	ND	20	20		Vinyl Acetate	ND	200	20	
1,1-Dichloroethane	ND	20	20		Vinyl Chloride	ND	10	20	
1,2-Dichloroethane	ND	10	20		Xylenes (total)	ND	20	20	
1,1-Dichloroethene	ND	20	20		Methyl-t-Butyl Ether (MTBE)	ND	20	20	
c-1,2-Dichloroethene	ND	20	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
t-1,2-Dichloroethene	ND	20	20		Diisopropyl Ether (DIPE)	ND	40	20	
1,2-Dichloropropane	ND	20	20		Ethyl-t-Butyl Ether (ETBE)	ND	40	20	
1,3-Dichloropropane	ND	20	20		Tert-Amyl-Methyl Ether (TAME)	ND	40	20	
2,2-Dichloropropane	ND	20	20		Ethanol	ND	2000	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	80-120		Dibromofluoromethane	103	80-126	
1,2-Dichloroethane-d4	109	80-134		Toluene-d8	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0019	**11-09-0336-2-A**	**09/07/11 14:18**	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11 07:37**	**110908L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	400000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	5900	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	116	80-126	
1,2-Dichloroethane-d4	106	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0020	**11-09-0336-3-A**	**09/07/11 15:30**	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11 08:04**	**110908L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	370000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	13000	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	80-120		Dibromofluoromethane	118	80-126	
1,2-Dichloroethane-d4	110	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 4 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0022	**11-09-0336-4-A**	**09/07/11 09:15**	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11 18:17**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	80-120		Dibromofluoromethane	91	80-126	
1,2-Dichloroethane-d4	92	80-134		Toluene-d8	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 5 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0024	**11-09-0336-5-B**	**09/07/11 10:28**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 16:41**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	109	80-126	
1,2-Dichloroethane-d4	101	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0025	**11-09-0336-6-A**	**09/07/11 11:28**	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11 21:06**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	80-120		Dibromofluoromethane	87	80-126	
1,2-Dichloroethane-d4	100	80-134		Toluene-d8	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 7 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0008	**11-09-0336-7-B**	**09/07/11 10:23**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 17:09**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	140	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	12	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	36	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	18	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	23	1.0	1		Naphthalene	30	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	67	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	5.8	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	5.5	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	3.1	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	1.6	1.0	1		Tert-Butyl Alcohol (TBA)	69	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	80-120		Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	92	80-134		Toluene-d8	102	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 8 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0044	**11-09-0336-8-A**	**09/07/11 15:00**	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11 18:46**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	50	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	6.8	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	7.0	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	5.0	1.0	1		Naphthalene	94	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	2.0	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	1.9	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	1.5	1.0	1	
Chloroform	ND	1.0	1		Toluene	7.3	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	2.0	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	14	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	80-120		Dibromofluoromethane	86	80-126	
1,2-Dichloroethane-d4	91	80-134		Toluene-d8	84	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0051	**11-09-0336-9-B**	**09/07/11 09:37**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 17:36**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	11	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	80-120		Dibromofluoromethane	107	80-126	
1,2-Dichloroethane-d4	94	80-134		Toluene-d8	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW 29	**11-09-0336-10-B**	**09/07/11 12:43**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 18:04**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20000	1000		1,1-Dichloropropene	ND	1000	1000	
Benzene	100000	500	1000		c-1,3-Dichloropropene	ND	500	1000	
Bromobenzene	ND	1000	1000		t-1,3-Dichloropropene	ND	500	1000	
Bromochloromethane	ND	1000	1000		Ethylbenzene	ND	1000	1000	
Bromodichloromethane	ND	1000	1000		2-Hexanone	ND	10000	1000	
Bromoform	ND	1000	1000		Isopropylbenzene	ND	1000	1000	
Bromomethane	ND	10000	1000		p-Isopropyltoluene	ND	1000	1000	
2-Butanone	ND	10000	1000		Methylene Chloride	ND	10000	1000	
n-Butylbenzene	ND	1000	1000		4-Methyl-2-Pentanone	ND	10000	1000	
sec-Butylbenzene	ND	1000	1000		Naphthalene	ND	10000	1000	
tert-Butylbenzene	ND	1000	1000		n-Propylbenzene	ND	1000	1000	
Carbon Disulfide	ND	10000	1000		Styrene	ND	1000	1000	
Carbon Tetrachloride	ND	500	1000		1,1,1,2-Tetrachloroethane	ND	1000	1000	
Chlorobenzene	ND	1000	1000		1,1,2,2-Tetrachloroethane	ND	1000	1000	
Chloroethane	ND	5000	1000		Tetrachloroethene	ND	1000	1000	
Chloroform	ND	1000	1000		Toluene	ND	1000	1000	
Chloromethane	ND	10000	1000		1,2,3-Trichlorobenzene	ND	1000	1000	
2-Chlorotoluene	ND	1000	1000		1,2,4-Trichlorobenzene	ND	1000	1000	
4-Chlorotoluene	ND	1000	1000		1,1,1-Trichloroethane	ND	1000	1000	
Dibromochloromethane	ND	1000	1000		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	1000	
1,2-Dibromo-3-Chloropropane	ND	5000	1000		1,1,2-Trichloroethane	ND	1000	1000	
1,2-Dibromoethane	ND	1000	1000		Trichloroethene	ND	1000	1000	
Dibromomethane	ND	1000	1000		Trichlorofluoromethane	ND	10000	1000	
1,2-Dichlorobenzene	ND	1000	1000		1,2,3-Trichloropropane	ND	5000	1000	
1,3-Dichlorobenzene	ND	1000	1000		1,2,4-Trimethylbenzene	ND	1000	1000	
1,4-Dichlorobenzene	ND	1000	1000		1,3,5-Trimethylbenzene	ND	1000	1000	
Dichlorodifluoromethane	ND	1000	1000		Vinyl Acetate	ND	10000	1000	
1,1-Dichloroethane	ND	1000	1000		Vinyl Chloride	ND	500	1000	
1,2-Dichloroethane	ND	500	1000		Xylenes (total)	ND	1000	1000	
1,1-Dichloroethene	ND	1000	1000		Methyl-t-Butyl Ether (MTBE)	ND	1000	1000	
c-1,2-Dichloroethene	ND	1000	1000		Tert-Butyl Alcohol (TBA)	ND	10000	1000	
t-1,2-Dichloroethene	ND	1000	1000		Diisopropyl Ether (DIPE)	ND	2000	1000	
1,2-Dichloropropane	ND	1000	1000		Ethyl-t-Butyl Ether (ETBE)	ND	2000	1000	
1,3-Dichloropropane	ND	1000	1000		Tert-Amyl-Methyl Ether (TAME)	ND	2000	1000	
2,2-Dichloropropane	ND	1000	1000		Ethanol	ND	100000	1000	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	80-120		Dibromofluoromethane	109	80-126	
1,2-Dichloroethane-d4	100	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP 02	**11-09-0336-11-B**	**09/07/11 12:12**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 18:32**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	2.8	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	1.5	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	2.6	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	80-120		Dibromofluoromethane	108	80-126	
1,2-Dichloroethane-d4	97	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 12 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate	**11-09-0336-12-C**	**09/07/11 00:00**	**Aqueous**	**GC/MS WW**	**09/10/11**	**09/10/11 15:49**	**110910L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	140	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	11	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	35	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	17	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	22	1.0	1		Naphthalene	30	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	65	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	6.0	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	5.5	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	3.1	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	1.8	1.0	1		Tert-Butyl Alcohol (TBA)	73	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	80-120		Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	88	80-134		Toluene-d8	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 13 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank	**11-09-0336-13-A**	**09/07/11 15:30**	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11 17:21**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	80-120		Dibromofluoromethane	93	80-126	
1,2-Dichloroethane-d4	95	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 14 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Equipment Blank	**11-09-0336-14-A**	**09/07/11 15:30**	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11 17:49**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	80-120		Dibromofluoromethane	84	80-126	
1,2-Dichloroethane-d4	89	80-134		Toluene-d8	105	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 15 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**11-09-0336-15-A**	**09/07/11 00:00**	**Aqueous**	**GC/MS Q**	**09/12/11**	**09/12/11 13:02**	**110912L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	97	80-134		Toluene-d8	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-5,669**	**N/A**	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11 14:33**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	80-120		Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	103	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-5,678**	**N/A**	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11 02:07**	**110908L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	112	80-126	
1,2-Dichloroethane-d4	101	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-5,680**	**N/A**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 14:23**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 19 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-5,688**	**N/A**	**Aqueous**	**GC/MS WW**	**09/10/11**	**09/10/11 11:43**	**110910L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	113	80-126	
1,2-Dichloroethane-d4	107	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-5,692**	**N/A**	**Aqueous**	**GC/MS Q**	**09/12/11**	**09/12/11 12:25**	**110912L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	80-120		Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	97	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SWL 0044	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11**	**110908S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	200.0	30	35	6-138	17	0-39	
2-Chlorophenol	200.0	69	80	48-120	15	0-26	
1,4-Dichlorobenzene	200.0	51	55	13-145	7	0-26	
N-Nitroso-di-n-propylamine	200.0	62	70	60-144	11	0-40	
Naphthalene	200.0	56	69	50-150	12	0-20	
4-Chloro-3-Methylphenol	200.0	68	79	58-130	14	0-27	
Dimethyl Phthalate	200.0	78	87	50-150	12	0-20	
Acenaphthylene	200.0	80	89	50-150	10	0-20	
Acenaphthene	200.0	79	87	46-136	10	0-19	
4-Nitrophenol	200.0	21	15	8-176	34	0-34	
2,4-Dinitrotoluene	200.0	79	88	54-144	12	0-17	
Fluorene	200.0	79	89	50-150	12	0-20	
Pentachlorophenol	200.0	49	40	52-136	20	0-35	3
Pyrene	200.0	76	83	39-165	9	0-56	
Butyl Benzyl Phthalate	200.0	72	79	50-150	9	0-20	
1,2,4-Trichlorobenzene	200.0	58	63	28-136	8	0-27	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: 09/07/11
Work Order No: 11-09-0336
Preparation: EPA 5030C
Method: EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SWL 0044	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11**	**110908S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	117	85	78-120	16	0-20	
Carbon Tetrachloride	50.00	89	116	67-139	27	0-20	4
Chlorobenzene	50.00	97	100	80-120	3	0-20	
1,2-Dibromoethane	50.00	75	96	80-123	24	0-20	3,4
1,2-Dichlorobenzene	50.00	132	98	76-120	30	0-20	3,4
1,2-Dichloroethane	50.00	104	95	76-130	9	0-20	
1,1-Dichloroethene	50.00	79	108	70-130	31	0-27	4
Ethylbenzene	50.00	84	101	73-127	16	0-20	
Toluene	50.00	146	104	72-126	30	0-20	3,4
Trichloroethene	50.00	108	103	74-122	5	0-20	
Vinyl Chloride	50.00	88	97	65-131	10	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	63	99	69-123	44	0-20	3,4
Tert-Butyl Alcohol (TBA)	250.0	104	91	65-131	13	0-22	
Diisopropyl Ether (DIPE)	50.00	61	103	68-128	50	0-22	3,4
Ethyl-t-Butyl Ether (ETBE)	50.00	73	105	69-123	36	0-21	4
Tert-Amyl-Methyl Ether (TAME)	50.00	102	96	70-124	6	0-20	
Ethanol	500.0	134	79	41-155	52	0-35	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-09-0405-1	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11**	**110908S04**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	110	110	78-120	0	0-20	
Carbon Tetrachloride	50.00	106	103	67-139	2	0-20	
Chlorobenzene	50.00	106	105	80-120	1	0-20	
1,2-Dibromoethane	50.00	105	106	80-123	1	0-20	
1,2-Dichlorobenzene	50.00	102	98	76-120	4	0-20	
1,2-Dichloroethane	50.00	97	99	76-130	2	0-20	
1,1-Dichloroethene	50.00	105	106	70-130	0	0-27	
Ethylbenzene	50.00	111	108	73-127	3	0-20	
Toluene	50.00	111	111	72-126	0	0-20	
Trichloroethene	50.00	91	78	74-122	4	0-20	
Vinyl Chloride	50.00	95	98	65-131	4	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	105	106	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	93	93	65-131	0	0-22	
Diisopropyl Ether (DIPE)	50.00	98	99	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	95	97	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	93	97	70-124	4	0-20	
Ethanol	500.0	88	78	41-155	12	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: 09/07/11
Work Order No: 11-09-0336
Preparation: EPA 5030C
Method: EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-09-0398-1	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11**	**110909S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	111	111	78-120	0	0-20	
Toluene	50.00	112	112	72-126	0	0-20	
Ethylbenzene	50.00	118	116	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	102	103	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	102	95	65-131	7	0-22	
Diisopropyl Ether (DIPE)	50.00	98	98	68-128	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	93	94	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	92	92	70-124	0	0-20	
Ethanol	500.0	96	91	41-155	6	0-35	
1,1-Dichloroethene	50.00	112	103	70-130	9	0-27	
1,2-Dibromoethane	50.00	109	106	80-123	3	0-20	
1,2-Dichlorobenzene	50.00	109	105	76-120	3	0-20	
1,2-Dichloroethane	50.00	98	96	76-130	2	0-20	
Carbon Tetrachloride	50.00	109	108	67-139	2	0-20	
Chlorobenzene	50.00	111	109	80-120	2	0-20	
Trichloroethene	50.00	109	108	74-122	2	0-20	
Vinyl Chloride	50.00	90	97	65-131	8	0-24	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: 09/07/11
Work Order No: 11-09-0336
Preparation: EPA 5030C
Method: EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-09-0556-1	**Aqueous**	**GC/MS WW**	**09/10/11**	**09/10/11**	**110910S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	109	111	78-120	2	0-20	
Toluene	50.00	110	114	72-126	4	0-20	
Ethylbenzene	50.00	113	112	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	94	98	69-123	4	0-20	
Tert-Butyl Alcohol (TBA)	250.0	99	100	65-131	1	0-22	
Diisopropyl Ether (DIPE)	50.00	93	96	68-128	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	87	90	69-123	4	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	87	91	70-124	5	0-20	
Ethanol	500.0	99	99	41-155	0	0-35	
1,1-Dichloroethene	50.00	105	102	70-130	3	0-27	
1,2-Dibromoethane	50.00	105	106	80-123	1	0-20	
1,2-Dichlorobenzene	50.00	104	105	76-120	1	0-20	
1,2-Dichloroethane	50.00	96	98	76-130	2	0-20	
Carbon Tetrachloride	50.00	107	103	67-139	4	0-20	
Chlorobenzene	50.00	108	108	80-120	1	0-20	
Trichloroethene	50.00	106	106	74-122	0	0-20	
Vinyl Chloride	50.00	85	90	65-131	6	0-24	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-09-0519-1	**Aqueous**	**GC/MS Q**	**09/12/11**	**09/12/11**	**110912S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	105	100	78-120	5	0-20	
Toluene	50.00	106	101	72-126	5	0-20	
Ethylbenzene	50.00	107	104	73-127	3	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	105	100	69-123	5	0-20	
Tert-Butyl Alcohol (TBA)	250.0	96	108	65-131	12	0-22	
Diisopropyl Ether (DIPE)	50.00	104	99	68-128	6	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	113	107	69-123	5	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	111	106	70-124	4	0-20	
Ethanol	500.0	82	90	41-155	9	0-35	
1,1-Dichloroethene	50.00	106	103	70-130	3	0-27	
1,2-Dibromoethane	50.00	110	108	80-123	2	0-20	
1,2-Dichlorobenzene	50.00	97	95	76-120	2	0-20	
1,2-Dichloroethane	50.00	128	122	76-130	5	0-20	
Carbon Tetrachloride	50.00	129	123	67-139	5	0-20	
Chlorobenzene	50.00	103	100	80-120	3	0-20	
Trichloroethene	50.00	108	105	74-122	3	0-20	
Vinyl Chloride	50.00	104	102	65-131	2	0-24	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,214	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11**	**110908L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Phenol	200.0	41	41	4-142	0-165	1	0-24	
2-Chlorophenol	200.0	84	85	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	200.0	60	61	50-122	38-134	1	0-19	
N-Nitroso-di-n-propylamine	200.0	93	91	56-146	41-161	2	0-22	
Naphthalene	200.0	72	72	21-133	2-152	0	0-20	
4-Chloro-3-Methylphenol	200.0	89	92	55-121	44-132	3	0-18	
Dimethyl Phthalate	200.0	84	84	0-112	0-131	0	0-20	
Acenaphthylene	200.0	84	86	33-145	14-164	2	0-20	
Acenaphthene	200.0	81	81	55-139	41-153	0	0-17	
4-Nitrophenol	200.0	50	52	1-145	0-169	4	0-29	
2,4-Dinitrotoluene	200.0	90	90	41-161	21-181	0	0-22	
Fluorene	200.0	94	96	59-121	49-131	2	0-20	
Pentachlorophenol	200.0	94	96	34-130	18-146	2	0-23	
Pyrene	200.0	87	87	38-170	16-192	0	0-27	
Butyl Benzyl Phthalate	200.0	90	89	0-152	0-177	1	0-20	
1,2,4-Trichlorobenzene	200.0	70	70	49-121	37-133	1	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-5,669	**Aqueous**	**GC/MS R**	**09/08/11**	**09/08/11**	**110908L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	107	105	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	122	118	66-138	54-150	3	0-20	
Chlorobenzene	50.00	108	104	80-120	73-127	4	0-20	
1,2-Dibromoethane	50.00	105	102	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	50.00	105	101	80-120	73-127	4	0-20	
1,2-Dichloroethane	50.00	105	101	80-129	72-137	4	0-20	
1,1-Dichloroethene	50.00	98	108	71-131	61-141	10	0-20	
Ethylbenzene	50.00	108	106	80-123	73-130	3	0-20	
Toluene	50.00	108	107	79-121	72-128	1	0-20	
Trichloroethene	50.00	109	109	80-120	73-127	0	0-20	
Vinyl Chloride	50.00	105	102	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	105	106	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	250.0	102	99	71-125	62-134	3	0-25	
Diisopropyl Ether (DIPE)	50.00	110	108	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	112	111	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	106	103	67-133	56-144	2	0-20	
Ethanol	500.0	101	93	47-155	29-173	8	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-5,678	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11**	**110908L05**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	110	105	80-120	73-127	5	0-20	
Carbon Tetrachloride	50.00	105	99	66-138	54-150	5	0-20	
Chlorobenzene	50.00	106	97	80-120	73-127	9	0-20	
1,2-Dibromoethane	50.00	108	107	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	103	93	80-120	73-127	11	0-20	
1,2-Dichloroethane	50.00	98	95	80-129	72-137	3	0-20	
1,1-Dichloroethene	50.00	104	102	71-131	61-141	2	0-20	
Ethylbenzene	50.00	109	98	80-123	73-130	10	0-20	
Toluene	50.00	110	102	79-121	72-128	8	0-20	
Trichloroethene	50.00	104	98	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	101	100	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	110	111	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	250.0	97	92	71-125	62-134	6	0-25	
Diisopropyl Ether (DIPE)	50.00	99	98	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	100	100	69-129	59-139	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	100	98	67-133	56-144	2	0-20	
Ethanol	500.0	84	78	47-155	29-173	8	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-5,680	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11**	**110909L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	108	110	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	105	105	66-138	54-150	0	0-20	
Chlorobenzene	50.00	107	107	80-120	73-127	0	0-20	
1,2-Dibromoethane	50.00	107	108	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	105	106	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	100	98	80-129	72-137	1	0-20	
1,1-Dichloroethene	50.00	103	103	71-131	61-141	1	0-20	
Ethylbenzene	50.00	113	112	80-123	73-130	0	0-20	
Toluene	50.00	109	109	79-121	72-128	0	0-20	
Trichloroethene	50.00	104	105	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	93	93	70-136	59-147	0	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	104	103	72-126	63-135	1	0-22	
Tert-Butyl Alcohol (TBA)	250.0	95	101	71-125	62-134	6	0-25	
Diisopropyl Ether (DIPE)	50.00	98	98	69-129	59-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	95	96	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	96	96	67-133	56-144	0	0-20	
Ethanol	500.0	83	93	47-155	29-173	12	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-5,688	**Aqueous**	**GC/MS WW**	**09/10/11**	**09/10/11**	**110910L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	109	108	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	104	102	66-138	54-150	3	0-20	
Chlorobenzene	50.00	106	105	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	110	108	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	107	101	80-120	73-127	5	0-20	
1,2-Dichloroethane	50.00	99	95	80-129	72-137	5	0-20	
1,1-Dichloroethene	50.00	105	103	71-131	61-141	1	0-20	
Ethylbenzene	50.00	111	109	80-123	73-130	2	0-20	
Toluene	50.00	110	107	79-121	72-128	2	0-20	
Trichloroethene	50.00	106	103	80-120	73-127	3	0-20	
Vinyl Chloride	50.00	89	89	70-136	59-147	0	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	101	101	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	250.0	97	101	71-125	62-134	4	0-25	
Diisopropyl Ether (DIPE)	50.00	95	96	69-129	59-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	91	91	69-129	59-139	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	93	91	67-133	56-144	2	0-20	
Ethanol	500.0	84	92	47-155	29-173	9	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0336
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-5,692	**Aqueous**	**GC/MS Q**	**09/12/11**	**09/12/11**	**110912L02**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	100	100	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	128	126	66-138	54-150	1	0-20	
Chlorobenzene	50.00	100	103	80-120	73-127	3	0-20	
1,2-Dibromoethane	50.00	102	106	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	50.00	93	97	80-120	73-127	4	0-20	
1,2-Dichloroethane	50.00	124	127	80-129	72-137	3	0-20	
1,1-Dichloroethene	50.00	104	102	71-131	61-141	2	0-20	
Ethylbenzene	50.00	106	106	80-123	73-130	0	0-20	
Toluene	50.00	101	103	79-121	72-128	2	0-20	
Trichloroethene	50.00	106	106	80-120	73-127	0	0-20	
Vinyl Chloride	50.00	104	107	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	96	102	72-126	63-135	7	0-22	
Tert-Butyl Alcohol (TBA)	250.0	100	97	71-125	62-134	3	0-25	
Diisopropyl Ether (DIPE)	50.00	101	103	69-129	59-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	102	108	69-129	59-139	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	98	104	67-133	56-144	7	0-20	
Ethanol	500.0	100	88	47-155	29-173	12	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-09-0336

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9/7/2011

PAGE: 1 of 2

SAMPLING COMPANY: C2 REM

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA

GLOBAL ID NO.:

ADDRESS: 2382 S.E. Bristol, Suite B

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 97-101

PROJECT CONTACT (Hardcopy or PDF Report to): Kent Vollmer

TELEPHONE: 949-261-8098

FAX: 949-261-8097

E-MAIL: kvollmer@c2rem.com

SAMPLER NAME(S) (Print): C2 REM field personnel

LAB USE ONLY: 11-09-0336

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

Extra bottles for MS/MSD (SWL0044)

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.	8260B VOCs+Oxys	8270C SVOCs	TEMPERATURE ON RECEIPT C°
1	PZL 0018	9/7/11	13:57	water	4	X	X	
2	PZL 0019		14:18		4	X	X	
3	PZL 0020		15:20		4	X	X	
4	PZL 0022		9:15		4	X	X	
5	PZL 0024		10:28		4	X	X	
6	PZL 0025		11:28		4	X	X	
7	SWL 0008		10:23		4	X	X	
8	SWL 0044		15:00		9	X	X	MS/MSD
9	SWL 0051		9:37		4	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Dannyle CZL	9/7/2011	17:05
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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10/16/00 Revision

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CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY)

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9/7/2011

PAGE: 2 of 2

SAMPLING COMPANY: C2 REM

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA

GLOBAL ID NO.:

ADDRESS: 2382 S.E. Bristol, Suite B

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 97-101

PROJECT CONTACT (Hardcopy or PDF Report to): Kent Vollmer

SAMPLER NAME(S) (Print): C2 REM field personnel

LAB USE ONLY: 11-09-0336

TELEPHONE: 949-261-8098

FAX: 949-261-8097

E-MAIL: kvollmer@c2rem.com

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

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.	8260B VOCs + Oxys.	8270C SVOCs	TEMPERATURE ON RECEIPT C°
10	XMW29	9/7/11	12:43	water	4	X	X	
11	XP02	9/7/11	12:12	water	4	X	X	
12	Duplicate.	9/7/11	—	water	4	X	X	
13	~~FB~~ Field Blank	9/7/11	15:30	water	2	X		
14	~~EB~~ Equipment Blank	9/7/11	15:30	water	2	X		
15	Trip Blank.	9/7/11	—	water	2	X		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Dannyle C2L	9/7/2011	17:05

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-09-0336

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: C2 REM

DATE: 09/07/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.1 °C + 0.5 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: DL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: PT

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 110830A **Labeled/Checked by:** PT

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** TN

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** TN

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-09-0336

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: C2 REM

DATE: 09/07/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.4 °C + 0.5 °C (CF) = 2.9 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: DL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: PT

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh (3) ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na₂** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** PT

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** TN

Preservative: h: HCL n: HNO_3 na₂: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** TN

Calscience
Environmental & Marine Chemistry Laboratories

CALSCIENCE
WORK ORDER NUMBER: 11-09-0337

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: C2 REM

Client Project Name: 20245 S. Vermont St., Torrance, CA

Attention: Kent Vollmer
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Approved for release on 09/21/2011 by:
Xuan Dang
Project Manager

ResultLink ▸

Email your PM ▸

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience
Environmental & Marine Chemistry Laboratories

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Work Order Number: 11-09-0337

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Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-09-0337
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	09/07/11 17:05
Attn:	Kent Vollmer		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
PZL 0018-LF						
Benzene	**2200**		12	ug/L	EPA 8260B	EPA 5030C
PZL 0019-LF						
Phenol	**39**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**53**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**360000**		1200	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**4500**		2500	ug/L	EPA 8260B	EPA 5030C
PZL 0020-LF						
Phenol	**91**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**160**		10	ug/L	EPA 8270C	EPA 3510C
2-Methylnaphthalene	**20**		10	ug/L	EPA 8270C	EPA 3510C
Phenanthrene	**17**		10	ug/L	EPA 8270C	EPA 3510C
1-Methylnaphthalene	**12**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**420000**		1200	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**16000**		2500	ug/L	EPA 8260B	EPA 5030C
Duplicate-LF						
Phenol	**42**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**53**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**420000**		1200	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**6000**		2500	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0018-LF	**11-09-0337-1-D**	**09/07/11 13:25**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 19:56**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	52	42-138		2-Fluorophenol	43	7-121	
Nitrobenzene-d5	72	50-146		p-Terphenyl-d14	85	47-173	
Phenol-d6	32	1-127		2,4,6-Tribromophenol	82	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0019-LF	**11-09-0337-2-D**	**09/07/11 13:26**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 20:22**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	53	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	39	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	58	42-138		2-Fluorophenol	40	7-121	
Nitrobenzene-d5	73	50-146		p-Terphenyl-d14	89	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	93	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0020-LF	**11-09-0337-3-D**	**09/07/11 15:01**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 20:48**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	20	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	12	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	160	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	17	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	91	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	57	42-138		2-Fluorophenol	44	7-121	
Nitrobenzene-d5	66	50-146		p-Terphenyl-d14	84	47-173	
Phenol-d6	33	1-127		2,4,6-Tribromophenol	93	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate-LF	**11-09-0337-4-D**	**09/07/11 00:00**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 21:14**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	53	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	42	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	63	42-138		2-Fluorophenol	49	7-121	
Nitrobenzene-d5	72	50-146		p-Terphenyl-d14	86	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	104	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,214**	**N/A**	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11 13:55**	**110908L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	68	42-138		2-Fluorophenol	49	7-121	
Nitrobenzene-d5	84	50-146		p-Terphenyl-d14	84	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	99	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0018-LF	**11-09-0337-1-B**	**09/07/11 13:25**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 19:54**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	500	25		1,1-Dichloropropene	ND	25	25	
Benzene	2200	12	25		c-1,3-Dichloropropene	ND	12	25	
Bromobenzene	ND	25	25		t-1,3-Dichloropropene	ND	12	25	
Bromochloromethane	ND	25	25		Ethylbenzene	ND	25	25	
Bromodichloromethane	ND	25	25		2-Hexanone	ND	250	25	
Bromoform	ND	25	25		Isopropylbenzene	ND	25	25	
Bromomethane	ND	250	25		p-Isopropyltoluene	ND	25	25	
2-Butanone	ND	250	25		Methylene Chloride	ND	250	25	
n-Butylbenzene	ND	25	25		4-Methyl-2-Pentanone	ND	250	25	
sec-Butylbenzene	ND	25	25		Naphthalene	ND	250	25	
tert-Butylbenzene	ND	25	25		n-Propylbenzene	ND	25	25	
Carbon Disulfide	ND	250	25		Styrene	ND	25	25	
Carbon Tetrachloride	ND	12	25		1,1,1,2-Tetrachloroethane	ND	25	25	
Chlorobenzene	ND	25	25		1,1,2,2-Tetrachloroethane	ND	25	25	
Chloroethane	ND	120	25		Tetrachloroethene	ND	25	25	
Chloroform	ND	25	25		Toluene	ND	25	25	
Chloromethane	ND	250	25		1,2,3-Trichlorobenzene	ND	25	25	
2-Chlorotoluene	ND	25	25		1,2,4-Trichlorobenzene	ND	25	25	
4-Chlorotoluene	ND	25	25		1,1,1-Trichloroethane	ND	25	25	
Dibromochloromethane	ND	25	25		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	25	
1,2-Dibromo-3-Chloropropane	ND	120	25		1,1,2-Trichloroethane	ND	25	25	
1,2-Dibromoethane	ND	25	25		Trichloroethene	ND	25	25	
Dibromomethane	ND	25	25		Trichlorofluoromethane	ND	250	25	
1,2-Dichlorobenzene	ND	25	25		1,2,3-Trichloropropane	ND	120	25	
1,3-Dichlorobenzene	ND	25	25		1,2,4-Trimethylbenzene	ND	25	25	
1,4-Dichlorobenzene	ND	25	25		1,3,5-Trimethylbenzene	ND	25	25	
Dichlorodifluoromethane	ND	25	25		Vinyl Acetate	ND	250	25	
1,1-Dichloroethane	ND	25	25		Vinyl Chloride	ND	12	25	
1,2-Dichloroethane	ND	12	25		Xylenes (total)	ND	25	25	
1,1-Dichloroethene	ND	25	25		Methyl-t-Butyl Ether (MTBE)	ND	25	25	
c-1,2-Dichloroethene	ND	25	25		Tert-Butyl Alcohol (TBA)	ND	250	25	
t-1,2-Dichloroethene	ND	25	25		Diisopropyl Ether (DIPE)	ND	50	25	
1,2-Dichloropropane	ND	25	25		Ethyl-t-Butyl Ether (ETBE)	ND	50	25	
1,3-Dichloropropane	ND	25	25		Tert-Amyl-Methyl Ether (TAME)	ND	50	25	
2,2-Dichloropropane	ND	25	25		Ethanol	ND	2500	25	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	102	80-134		Toluene-d8	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0019-LF	**11-09-0337-2-A**	**09/07/11 13:26**	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11 09:54**	**110908L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	360000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	4500	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	116	80-126	
1,2-Dichloroethane-d4	106	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0020-LF	**11-09-0337-3-B**	**09/07/11 15:01**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 20:22**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	420000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	16000	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	80-120		Dibromofluoromethane	114	80-126	
1,2-Dichloroethane-d4	107	80-134		Toluene-d8	94	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate-LF	**11-09-0337-4-B**	**09/07/11 00:00**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 20:49**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	420000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	6000	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	112	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-5,678**	**N/A**	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11 02:07**	**110908L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	112	80-126	
1,2-Dichloroethane-d4	101	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	09/07/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-5,680**	**N/A**	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11 14:23**	**110909L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: 09/07/11
Work Order No: 11-09-0337
Preparation: EPA 5030C
Method: EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-09-0405-1	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11**	**110908S04**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	110	110	78-120	0	0-20	
Carbon Tetrachloride	50.00	106	103	67-139	2	0-20	
Chlorobenzene	50.00	106	105	80-120	1	0-20	
1,2-Dibromoethane	50.00	105	106	80-123	1	0-20	
1,2-Dichlorobenzene	50.00	102	98	76-120	4	0-20	
1,2-Dichloroethane	50.00	97	99	76-130	2	0-20	
1,1-Dichloroethene	50.00	105	106	70-130	0	0-27	
Ethylbenzene	50.00	111	108	73-127	3	0-20	
Toluene	50.00	111	111	72-126	0	0-20	
Trichloroethene	50.00	91	78	74-122	4	0-20	
Vinyl Chloride	50.00	95	98	65-131	4	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	105	106	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	93	93	65-131	0	0-22	
Diisopropyl Ether (DIPE)	50.00	98	99	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	95	97	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	93	97	70-124	4	0-20	
Ethanol	500.0	88	78	41-155	12	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: 09/07/11
Work Order No: 11-09-0337
Preparation: EPA 5030C
Method: EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-09-0398-1	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11**	**110909S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	111	111	78-120	0	0-20	
Toluene	50.00	112	112	72-126	0	0-20	
Ethylbenzene	50.00	118	116	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	102	103	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	250.0	102	95	65-131	7	0-22	
Diisopropyl Ether (DIPE)	50.00	98	98	68-128	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	93	94	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	92	92	70-124	0	0-20	
Ethanol	500.0	96	91	41-155	6	0-35	
1,1-Dichloroethene	50.00	112	103	70-130	9	0-27	
1,2-Dibromoethane	50.00	109	106	80-123	3	0-20	
1,2-Dichlorobenzene	50.00	109	105	76-120	3	0-20	
1,2-Dichloroethane	50.00	98	96	76-130	2	0-20	
Carbon Tetrachloride	50.00	109	108	67-139	2	0-20	
Chlorobenzene	50.00	111	109	80-120	2	0-20	
Trichloroethene	50.00	109	108	74-122	2	0-20	
Vinyl Chloride	50.00	90	97	65-131	8	0-24	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,214	**Aqueous**	**GC/MS P**	**09/08/11**	**09/09/11**	**110908L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Phenol	200.0	41	41	4-142	0-165	1	0-24	
2-Chlorophenol	200.0	84	85	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	200.0	60	61	50-122	38-134	1	0-19	
N-Nitroso-di-n-propylamine	200.0	93	91	56-146	41-161	2	0-22	
Naphthalene	200.0	72	72	21-133	2-152	0	0-20	
4-Chloro-3-Methylphenol	200.0	89	92	55-121	44-132	3	0-18	
Dimethyl Phthalate	200.0	84	84	0-112	0-131	0	0-20	
Acenaphthylene	200.0	84	86	33-145	14-164	2	0-20	
Acenaphthene	200.0	81	81	55-139	41-153	0	0-17	
4-Nitrophenol	200.0	50	52	1-145	0-169	4	0-29	
2,4-Dinitrotoluene	200.0	90	90	41-161	21-181	0	0-22	
Fluorene	200.0	94	96	59-121	49-131	2	0-20	
Pentachlorophenol	200.0	94	96	34-130	18-146	2	0-23	
Pyrene	200.0	87	87	38-170	16-192	0	0-27	
Butyl Benzyl Phthalate	200.0	90	89	0-152	0-177	1	0-20	
1,2,4-Trichlorobenzene	200.0	70	70	49-121	37-133	1	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-5,678	**Aqueous**	**GC/MS WW**	**09/08/11**	**09/09/11**	**110908L05**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	110	105	80-120	73-127	5	0-20	
Carbon Tetrachloride	50.00	105	99	66-138	54-150	5	0-20	
Chlorobenzene	50.00	106	97	80-120	73-127	9	0-20	
1,2-Dibromoethane	50.00	108	107	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	103	93	80-120	73-127	11	0-20	
1,2-Dichloroethane	50.00	98	95	80-129	72-137	3	0-20	
1,1-Dichloroethene	50.00	104	102	71-131	61-141	2	0-20	
Ethylbenzene	50.00	109	98	80-123	73-130	10	0-20	
Toluene	50.00	110	102	79-121	72-128	8	0-20	
Trichloroethene	50.00	104	98	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	101	100	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	110	111	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	250.0	97	92	71-125	62-134	6	0-25	
Diisopropyl Ether (DIPE)	50.00	99	98	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	100	100	69-129	59-139	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	100	98	67-133	56-144	2	0-20	
Ethanol	500.0	84	78	47-155	29-173	8	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-09-0337
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-5,680	**Aqueous**	**GC/MS WW**	**09/09/11**	**09/09/11**	**110909L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	108	110	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	105	105	66-138	54-150	0	0-20	
Chlorobenzene	50.00	107	107	80-120	73-127	0	0-20	
1,2-Dibromoethane	50.00	107	108	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	105	106	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	100	98	80-129	72-137	1	0-20	
1,1-Dichloroethene	50.00	103	103	71-131	61-141	1	0-20	
Ethylbenzene	50.00	113	112	80-123	73-130	0	0-20	
Toluene	50.00	109	109	79-121	72-128	0	0-20	
Trichloroethene	50.00	104	105	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	93	93	70-136	59-147	0	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	104	103	72-126	63-135	1	0-22	
Tert-Butyl Alcohol (TBA)	250.0	95	101	71-125	62-134	6	0-25	
Diisopropyl Ether (DIPE)	50.00	98	98	69-129	59-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	95	96	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	96	96	67-133	56-144	0	0-20	
Ethanol	500.0	83	93	47-155	29-173	12	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-09-0337

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9/7/2011

PAGE: 1 of 1

SAMPLING COMPANY: C2 REM

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA

GLOBAL ID NO.:

ADDRESS: 2382 S.E. Bristol, Suite B

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 97-101

PROJECT CONTACT (Hardcopy or PDF Report to): Kent Vollmer

TELEPHONE: 949-261-8098

FAX: 949-261-8097

E-MAIL: kvollmer@c2rem.com

SAMPLER NAME(S) (Print): C2 REM field personnel

LAB USE ONLY: 11-09-0337

TURNAROUND TIME (BUSINESS DAYS):
☑ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

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.	8260B VOCs + Oxys	8270C SVOCs	TEMPERATURE ON RECEIPT C°
1	PZL0018-LF	9/7/11	13:25	water	4	X	X	
2	PZL0019-LF	↓	13:26	↓	4	X	X	
3	PZL0020-LF	↓	13:01 ~~13:26~~	↓	4	X	X	
4	Duplicate-LF	↓	—	↓	4	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Dannyle C2L	9/7/2011	17:05
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-09-0337

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: C2 REM

DATE: 09/07/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.1 °C + 0.5 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: bL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: PT

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** PT

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** TN

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** TN

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 11-12-0581

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: C2 REM

Client Project Name: 20245 S. Vermont St., Torrance, CA

Attention: Stefan Klemm
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Approved for release on 12/14/2011 by:
Xuan Dang
Project Manager

ResultLink ▸

Email your PM ▸

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-12-0581
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	12/08/11 16:25
Attn:	Stefan Klemm		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
SWL 0051						
Trichloroethene	**9.1**		1.0	ug/L	EPA 8260B	EPA 5030C
SWL 0008						
Naphthalene	**12**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**52**		0.50	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	**13**		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	**18**		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	**4.0**		0.50	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	**1.1**		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**10**		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	**35**		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	**15**		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	**82**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**2.9**		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**5.3**		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	**1.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	**68**		10	ug/L	EPA 8260B	EPA 5030C
PZL 0019						
Phenol	**27**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**67**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**250000**		1000	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**4800**		2000	ug/L	EPA 8260B	EPA 5030C
XMW 29						
Phenol	**97**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**73000**		250	ug/L	EPA 8260B	EPA 5030C
PZL 0020						
Phenol	**120**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**170**		10	ug/L	EPA 8270C	EPA 3510C
2-Methylnaphthalene	**18**		10	ug/L	EPA 8270C	EPA 3510C
Phenanthrene	**11**		10	ug/L	EPA 8270C	EPA 3510C
Bis(2-Ethylhexyl) Phthalate	**84**		10	ug/L	EPA 8270C	EPA 3510C
1-Methylnaphthalene	**12**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**190000**		1000	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**5800**		2000	ug/L	EPA 8260B	EPA 5030C

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-12-0581
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	12/08/11 16:25
Attn:	Stefan Klemm		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
XP 02						
1,1-Dichloroethene	**1.7**		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	**7.2**		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**1.9**		1.0	ug/L	EPA 8260B	EPA 5030C
PZL 0018						
Benzene	**6300**		25	ug/L	EPA 8260B	EPA 5030C
SWL 0044						
Naphthalene	**17**		10	ug/L	EPA 8270C	EPA 3510C
1-Methylnaphthalene	**29**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**1.1**		0.50	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	**4.0**		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**4.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	**4.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	**17**		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	**1.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	**1.3**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**3.5**		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	**6.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Duplicate 1						
Naphthalene	**14**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**58**		0.50	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	**14**		1.0	ug/L	EPA 8260B	EPA 5030C
sec-Butylbenzene	**21**		1.0	ug/L	EPA 8260B	EPA 5030C
1,2-Dichloroethane	**4.2**		0.50	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	**1.2**		1.0	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**11**		1.0	ug/L	EPA 8260B	EPA 5030C
Isopropylbenzene	**41**		1.0	ug/L	EPA 8260B	EPA 5030C
Naphthalene	**11**		10	ug/L	EPA 8260B	EPA 5030C
n-Propylbenzene	**89**		1.0	ug/L	EPA 8260B	EPA 5030C
Toluene	**3.0**		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	**5.5**		1.0	ug/L	EPA 8260B	EPA 5030C
Xylenes (total)	**1.6**		1.0	ug/L	EPA 8260B	EPA 5030C
Tert-Butyl Alcohol (TBA)	**75**		10	ug/L	EPA 8260B	EPA 5030C

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-12-0581
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	12/08/11 16:25
Attn:	Stefan Klemm		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: Duplicate 2						
Phenol	**57**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**53**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**370000**		1000	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**5400**		2000	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0051	**11-12-0581-1-D**	**12/08/11 08:50**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 16:20**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	86	42-138		2-Fluorophenol	67	7-121	
Nitrobenzene-d5	97	50-146		p-Terphenyl-d14	105	47-173	
Phenol-d6	43	1-127		2,4,6-Tribromophenol	96	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0025	**11-12-0581-2-D**	**12/08/11 09:37**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 16:47**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	78	42-138		2-Fluorophenol	58	7-121	
Nitrobenzene-d5	88	50-146		p-Terphenyl-d14	93	47-173	
Phenol-d6	37	1-127		2,4,6-Tribromophenol	86	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0008	**11-12-0581-3-D**	**12/08/11 10:19**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 17:14**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	12	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	78	42-138		2-Fluorophenol	56	7-121	
Nitrobenzene-d5	85	50-146		p-Terphenyl-d14	90	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	80	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0019	**11-12-0581-4-D**	**12/08/11 11:38**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 17:41**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	67	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	27	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	88	42-138		2-Fluorophenol	60	7-121	
Nitrobenzene-d5	94	50-146		p-Terphenyl-d14	107	47-173	
Phenol-d6	41	1-127		2,4,6-Tribromophenol	102	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW 29	**11-12-0581-5-D**	**12/08/11 13:20**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 18:07**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	97	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	84	42-138		2-Fluorophenol	66	7-121	
Nitrobenzene-d5	95	50-146		p-Terphenyl-d14	100	47-173	
Phenol-d6	43	1-127		2,4,6-Tribromophenol	92	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0020	**11-12-0581-6-D**	**12/08/11 14:52**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 18:34**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	18	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	12	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	84	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	170	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	11	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	120	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	84	42-138		2-Fluorophenol	58	7-121	
Nitrobenzene-d5	90	50-146		p-Terphenyl-d14	97	47-173	
Phenol-d6	39	1-127		2,4,6-Tribromophenol	92	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0022	**11-12-0581-7-D**	**12/08/11 08:37**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 19:01**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	92	42-138		2-Fluorophenol	66	7-121	
Nitrobenzene-d5	100	50-146		p-Terphenyl-d14	106	47-173	
Phenol-d6	42	1-127		2,4,6-Tribromophenol	99	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0024	**11-12-0581-8-D**	**12/08/11 09:40**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 19:28**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	87	42-138		2-Fluorophenol	66	7-121	
Nitrobenzene-d5	95	50-146		p-Terphenyl-d14	100	47-173	
Phenol-d6	41	1-127		2,4,6-Tribromophenol	95	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP 02	**11-12-0581-9-D**	**12/08/11 11:08**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 19:55**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	84	42-138		2-Fluorophenol	61	7-121	
Nitrobenzene-d5	91	50-146		p-Terphenyl-d14	98	47-173	
Phenol-d6	38	1-127		2,4,6-Tribromophenol	91	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0018	**11-12-0581-10-D**	**12/08/11 12:46**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 20:21**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	88	42-138		2-Fluorophenol	61	7-121	
Nitrobenzene-d5	97	50-146		p-Terphenyl-d14	104	47-173	
Phenol-d6	39	1-127		2,4,6-Tribromophenol	94	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0044	**11-12-0581-11-J**	**12/08/11 13:40**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 20:47**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	29	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	17	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	87	42-138		2-Fluorophenol	62	7-121	
Nitrobenzene-d5	97	50-146		p-Terphenyl-d14	98	47-173	
Phenol-d6	38	1-127		2,4,6-Tribromophenol	90	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate 1	**11-12-0581-12-D**	**12/08/11 00:00**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 21:13**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	14	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	88	42-138		2-Fluorophenol	63	7-121	
Nitrobenzene-d5	95	50-146		p-Terphenyl-d14	105	47-173	
Phenol-d6	40	1-127		2,4,6-Tribromophenol	94	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate 2	**11-12-0581-13-D**	**12/08/11 00:00**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 17:03**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	53	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	57	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	74	42-138		2-Fluorophenol	55	7-121	
Nitrobenzene-d5	84	50-146		p-Terphenyl-d14	92	47-173	
Phenol-d6	37	1-127		2,4,6-Tribromophenol	90	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FB	**11-12-0581-14-D**	**12/08/11 13:35**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 17:30**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	90	42-138		2-Fluorophenol	57	7-121	
Nitrobenzene-d5	94	50-146		p-Terphenyl-d14	105	47-173	
Phenol-d6	38	1-127		2,4,6-Tribromophenol	80	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB	**11-12-0581-15-D**	**12/08/11 14:50**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 17:58**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	92	42-138		2-Fluorophenol	56	7-121	
Nitrobenzene-d5	89	50-146		p-Terphenyl-d14	97	47-173	
Phenol-d6	37	1-127		2,4,6-Tribromophenol	74	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,282**	**N/A**	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11 12:42**	**111209L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	81	42-138		2-Fluorophenol	63	7-121	
Nitrobenzene-d5	93	50-146		p-Terphenyl-d14	99	47-173	
Phenol-d6	40	1-127		2,4,6-Tribromophenol	90	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0051	**11-12-0581-1-A**	**12/08/11 08:50**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 21:37**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	9.1	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	98	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0025	**11-12-0581-2-A**	**12/08/11 09:37**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 22:05**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	99	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0008	**11-12-0581-3-A**	**12/08/11 10:19**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 22:32**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	52	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	10	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	35	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	13	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	18	1.0	1		Naphthalene	15	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	82	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	2.9	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	5.3	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	4.0	0.50	1		Xylenes (total)	1.6	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	1.1	1.0	1		Tert-Butyl Alcohol (TBA)	68	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	80-120		Dibromofluoromethane	93	80-126	
1,2-Dichloroethane-d4	91	80-134		Toluene-d8	103	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0019	**11-12-0581-4-A**	**12/08/11 11:38**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 23:00**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40000	2000		1,1-Dichloropropene	ND	2000	2000	
Benzene	250000	1000	2000		c-1,3-Dichloropropene	ND	1000	2000	
Bromobenzene	ND	2000	2000		t-1,3-Dichloropropene	ND	1000	2000	
Bromochloromethane	ND	2000	2000		Ethylbenzene	4800	2000	2000	
Bromodichloromethane	ND	2000	2000		2-Hexanone	ND	20000	2000	
Bromoform	ND	2000	2000		Isopropylbenzene	ND	2000	2000	
Bromomethane	ND	20000	2000		p-Isopropyltoluene	ND	2000	2000	
2-Butanone	ND	20000	2000		Methylene Chloride	ND	20000	2000	
n-Butylbenzene	ND	2000	2000		4-Methyl-2-Pentanone	ND	20000	2000	
sec-Butylbenzene	ND	2000	2000		Naphthalene	ND	20000	2000	
tert-Butylbenzene	ND	2000	2000		n-Propylbenzene	ND	2000	2000	
Carbon Disulfide	ND	20000	2000		Styrene	ND	2000	2000	
Carbon Tetrachloride	ND	1000	2000		1,1,1,2-Tetrachloroethane	ND	2000	2000	
Chlorobenzene	ND	2000	2000		1,1,2,2-Tetrachloroethane	ND	2000	2000	
Chloroethane	ND	10000	2000		Tetrachloroethene	ND	2000	2000	
Chloroform	ND	2000	2000		Toluene	ND	2000	2000	
Chloromethane	ND	20000	2000		1,2,3-Trichlorobenzene	ND	2000	2000	
2-Chlorotoluene	ND	2000	2000		1,2,4-Trichlorobenzene	ND	2000	2000	
4-Chlorotoluene	ND	2000	2000		1,1,1-Trichloroethane	ND	2000	2000	
Dibromochloromethane	ND	2000	2000		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20000	2000	
1,2-Dibromo-3-Chloropropane	ND	10000	2000		1,1,2-Trichloroethane	ND	2000	2000	
1,2-Dibromoethane	ND	2000	2000		Trichloroethene	ND	2000	2000	
Dibromomethane	ND	2000	2000		Trichlorofluoromethane	ND	20000	2000	
1,2-Dichlorobenzene	ND	2000	2000		1,2,3-Trichloropropane	ND	10000	2000	
1,3-Dichlorobenzene	ND	2000	2000		1,2,4-Trimethylbenzene	ND	2000	2000	
1,4-Dichlorobenzene	ND	2000	2000		1,3,5-Trimethylbenzene	ND	2000	2000	
Dichlorodifluoromethane	ND	2000	2000		Vinyl Acetate	ND	20000	2000	
1,1-Dichloroethane	ND	2000	2000		Vinyl Chloride	ND	1000	2000	
1,2-Dichloroethane	ND	1000	2000		Xylenes (total)	ND	2000	2000	
1,1-Dichloroethene	ND	2000	2000		Methyl-t-Butyl Ether (MTBE)	ND	2000	2000	
c-1,2-Dichloroethene	ND	2000	2000		Tert-Butyl Alcohol (TBA)	ND	20000	2000	
t-1,2-Dichloroethene	ND	2000	2000		Diisopropyl Ether (DIPE)	ND	4000	2000	
1,2-Dichloropropane	ND	2000	2000		Ethyl-t-Butyl Ether (ETBE)	ND	4000	2000	
1,3-Dichloropropane	ND	2000	2000		Tert-Amyl-Methyl Ether (TAME)	ND	4000	2000	
2,2-Dichloropropane	ND	2000	2000		Ethanol	ND	200000	2000	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	96	80-126	
1,2-Dichloroethane-d4	94	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XMW 29	**11-12-0581-5-B**	**12/08/11 13:20**	**Aqueous**	**GC/MS CC**	**12/14/11**	**12/14/11 14:34**	**111214L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10000	500		1,1-Dichloropropene	ND	500	500	
Benzene	73000	250	500		c-1,3-Dichloropropene	ND	250	500	
Bromobenzene	ND	500	500		t-1,3-Dichloropropene	ND	250	500	
Bromochloromethane	ND	500	500		Ethylbenzene	ND	500	500	
Bromodichloromethane	ND	500	500		2-Hexanone	ND	5000	500	
Bromoform	ND	500	500		Isopropylbenzene	ND	500	500	
Bromomethane	ND	5000	500		p-Isopropyltoluene	ND	500	500	
2-Butanone	ND	5000	500		Methylene Chloride	ND	5000	500	
n-Butylbenzene	ND	500	500		4-Methyl-2-Pentanone	ND	5000	500	
sec-Butylbenzene	ND	500	500		Naphthalene	ND	5000	500	
tert-Butylbenzene	ND	500	500		n-Propylbenzene	ND	500	500	
Carbon Disulfide	ND	5000	500		Styrene	ND	500	500	
Carbon Tetrachloride	ND	250	500		1,1,1,2-Tetrachloroethane	ND	500	500	
Chlorobenzene	ND	500	500		1,1,2,2-Tetrachloroethane	ND	500	500	
Chloroethane	ND	2500	500		Tetrachloroethene	ND	500	500	
Chloroform	ND	500	500		Toluene	ND	500	500	
Chloromethane	ND	5000	500		1,2,3-Trichlorobenzene	ND	500	500	
2-Chlorotoluene	ND	500	500		1,2,4-Trichlorobenzene	ND	500	500	
4-Chlorotoluene	ND	500	500		1,1,1-Trichloroethane	ND	500	500	
Dibromochloromethane	ND	500	500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	500	
1,2-Dibromo-3-Chloropropane	ND	2500	500		1,1,2-Trichloroethane	ND	500	500	
1,2-Dibromoethane	ND	500	500		Trichloroethene	ND	500	500	
Dibromomethane	ND	500	500		Trichlorofluoromethane	ND	5000	500	
1,2-Dichlorobenzene	ND	500	500		1,2,3-Trichloropropane	ND	2500	500	
1,3-Dichlorobenzene	ND	500	500		1,2,4-Trimethylbenzene	ND	500	500	
1,4-Dichlorobenzene	ND	500	500		1,3,5-Trimethylbenzene	ND	500	500	
Dichlorodifluoromethane	ND	500	500		Vinyl Acetate	ND	5000	500	
1,1-Dichloroethane	ND	500	500		Vinyl Chloride	ND	250	500	
1,2-Dichloroethane	ND	250	500		Xylenes (total)	ND	500	500	
1,1-Dichloroethene	ND	500	500		Methyl-t-Butyl Ether (MTBE)	ND	500	500	
c-1,2-Dichloroethene	ND	500	500		Tert-Butyl Alcohol (TBA)	ND	5000	500	
t-1,2-Dichloroethene	ND	500	500		Diisopropyl Ether (DIPE)	ND	1000	500	
1,2-Dichloropropane	ND	500	500		Ethyl-t-Butyl Ether (ETBE)	ND	1000	500	
1,3-Dichloropropane	ND	500	500		Tert-Amyl-Methyl Ether (TAME)	ND	1000	500	
2,2-Dichloropropane	ND	500	500		Ethanol	ND	50000	500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	96	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0020	**11-12-0581-6-B**	**12/08/11 14:52**	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11 17:42**	**111210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40000	2000		1,1-Dichloropropene	ND	2000	2000	
Benzene	190000	1000	2000		c-1,3-Dichloropropene	ND	1000	2000	
Bromobenzene	ND	2000	2000		t-1,3-Dichloropropene	ND	1000	2000	
Bromochloromethane	ND	2000	2000		Ethylbenzene	5800	2000	2000	
Bromodichloromethane	ND	2000	2000		2-Hexanone	ND	20000	2000	
Bromoform	ND	2000	2000		Isopropylbenzene	ND	2000	2000	
Bromomethane	ND	20000	2000		p-Isopropyltoluene	ND	2000	2000	
2-Butanone	ND	20000	2000		Methylene Chloride	ND	20000	2000	
n-Butylbenzene	ND	2000	2000		4-Methyl-2-Pentanone	ND	20000	2000	
sec-Butylbenzene	ND	2000	2000		Naphthalene	ND	20000	2000	
tert-Butylbenzene	ND	2000	2000		n-Propylbenzene	ND	2000	2000	
Carbon Disulfide	ND	20000	2000		Styrene	ND	2000	2000	
Carbon Tetrachloride	ND	1000	2000		1,1,1,2-Tetrachloroethane	ND	2000	2000	
Chlorobenzene	ND	2000	2000		1,1,2,2-Tetrachloroethane	ND	2000	2000	
Chloroethane	ND	10000	2000		Tetrachloroethene	ND	2000	2000	
Chloroform	ND	2000	2000		Toluene	ND	2000	2000	
Chloromethane	ND	20000	2000		1,2,3-Trichlorobenzene	ND	2000	2000	
2-Chlorotoluene	ND	2000	2000		1,2,4-Trichlorobenzene	ND	2000	2000	
4-Chlorotoluene	ND	2000	2000		1,1,1-Trichloroethane	ND	2000	2000	
Dibromochloromethane	ND	2000	2000		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20000	2000	
1,2-Dibromo-3-Chloropropane	ND	10000	2000		1,1,2-Trichloroethane	ND	2000	2000	
1,2-Dibromoethane	ND	2000	2000		Trichloroethene	ND	2000	2000	
Dibromomethane	ND	2000	2000		Trichlorofluoromethane	ND	20000	2000	
1,2-Dichlorobenzene	ND	2000	2000		1,2,3-Trichloropropane	ND	10000	2000	
1,3-Dichlorobenzene	ND	2000	2000		1,2,4-Trimethylbenzene	ND	2000	2000	
1,4-Dichlorobenzene	ND	2000	2000		1,3,5-Trimethylbenzene	ND	2000	2000	
Dichlorodifluoromethane	ND	2000	2000		Vinyl Acetate	ND	20000	2000	
1,1-Dichloroethane	ND	2000	2000		Vinyl Chloride	ND	1000	2000	
1,2-Dichloroethane	ND	1000	2000		Xylenes (total)	ND	2000	2000	
1,1-Dichloroethene	ND	2000	2000		Methyl-t-Butyl Ether (MTBE)	ND	2000	2000	
c-1,2-Dichloroethene	ND	2000	2000		Tert-Butyl Alcohol (TBA)	ND	20000	2000	
t-1,2-Dichloroethene	ND	2000	2000		Diisopropyl Ether (DIPE)	ND	4000	2000	
1,2-Dichloropropane	ND	2000	2000		Ethyl-t-Butyl Ether (ETBE)	ND	4000	2000	
1,3-Dichloropropane	ND	2000	2000		Tert-Amyl-Methyl Ether (TAME)	ND	4000	2000	
2,2-Dichloropropane	ND	2000	2000		Ethanol	ND	200000	2000	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	80-120		Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0022	**11-12-0581-7-B**	**12/08/11 08:37**	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11 18:10**	**111210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	99	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0024	**11-12-0581-8-B**	**12/08/11 09:40**	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11 18:37**	**111210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	80-120		Dibromofluoromethane	103	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 9 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
XP 02	**11-12-0581-9-B**	**12/08/11 11:08**	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11 19:05**	**111210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	7.2	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	1.9	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	1.7	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	102	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL 0018	**11-12-0581-10-B**	**12/08/11 12:46**	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11 19:32**	**111210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1000	50		1,1-Dichloropropene	ND	50	50	
Benzene	6300	25	50		c-1,3-Dichloropropene	ND	25	50	
Bromobenzene	ND	50	50		t-1,3-Dichloropropene	ND	25	50	
Bromochloromethane	ND	50	50		Ethylbenzene	ND	50	50	
Bromodichloromethane	ND	50	50		2-Hexanone	ND	500	50	
Bromoform	ND	50	50		Isopropylbenzene	ND	50	50	
Bromomethane	ND	500	50		p-Isopropyltoluene	ND	50	50	
2-Butanone	ND	500	50		Methylene Chloride	ND	500	50	
n-Butylbenzene	ND	50	50		4-Methyl-2-Pentanone	ND	500	50	
sec-Butylbenzene	ND	50	50		Naphthalene	ND	500	50	
tert-Butylbenzene	ND	50	50		n-Propylbenzene	ND	50	50	
Carbon Disulfide	ND	500	50		Styrene	ND	50	50	
Carbon Tetrachloride	ND	25	50		1,1,1,2-Tetrachloroethane	ND	50	50	
Chlorobenzene	ND	50	50		1,1,2,2-Tetrachloroethane	ND	50	50	
Chloroethane	ND	250	50		Tetrachloroethene	ND	50	50	
Chloroform	ND	50	50		Toluene	ND	50	50	
Chloromethane	ND	500	50		1,2,3-Trichlorobenzene	ND	50	50	
2-Chlorotoluene	ND	50	50		1,2,4-Trichlorobenzene	ND	50	50	
4-Chlorotoluene	ND	50	50		1,1,1-Trichloroethane	ND	50	50	
Dibromochloromethane	ND	50	50		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500	50	
1,2-Dibromo-3-Chloropropane	ND	250	50		1,1,2-Trichloroethane	ND	50	50	
1,2-Dibromoethane	ND	50	50		Trichloroethene	ND	50	50	
Dibromomethane	ND	50	50		Trichlorofluoromethane	ND	500	50	
1,2-Dichlorobenzene	ND	50	50		1,2,3-Trichloropropane	ND	250	50	
1,3-Dichlorobenzene	ND	50	50		1,2,4-Trimethylbenzene	ND	50	50	
1,4-Dichlorobenzene	ND	50	50		1,3,5-Trimethylbenzene	ND	50	50	
Dichlorodifluoromethane	ND	50	50		Vinyl Acetate	ND	500	50	
1,1-Dichloroethane	ND	50	50		Vinyl Chloride	ND	25	50	
1,2-Dichloroethane	ND	25	50		Xylenes (total)	ND	50	50	
1,1-Dichloroethene	ND	50	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
c-1,2-Dichloroethene	ND	50	50		Tert-Butyl Alcohol (TBA)	ND	500	50	
t-1,2-Dichloroethene	ND	50	50		Diisopropyl Ether (DIPE)	ND	100	50	
1,2-Dichloropropane	ND	50	50		Ethyl-t-Butyl Ether (ETBE)	ND	100	50	
1,3-Dichloropropane	ND	50	50		Tert-Amyl-Methyl Ether (TAME)	ND	100	50	
2,2-Dichloropropane	ND	50	50		Ethanol	ND	5000	50	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SWL 0044	**11-12-0581-11-A**	**12/08/11 13:40**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 16:06**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	1.1	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	4.6	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	4.6	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	4.0	1.0	1		Naphthalene	17	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	1.6	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	1.3	1.0	1	
Chloroform	ND	1.0	1		Toluene	3.5	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	6.6	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	80-120		Dibromofluoromethane	96	80-126	
1,2-Dichloroethane-d4	95	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 12 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate 1	**11-12-0581-12-B**	**12/08/11 00:00**	**Aqueous**	**GC/MS CC**	**12/13/11**	**12/13/11 16:16**	**111213L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	58	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	11	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	41	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	14	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	21	1.0	1		Naphthalene	11	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	89	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	3.0	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	5.5	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	4.2	0.50	1		Xylenes (total)	1.6	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	1.2	1.0	1		Tert-Butyl Alcohol (TBA)	75	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	80-120		Dibromofluoromethane	97	80-126	
1,2-Dichloroethane-d4	95	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Duplicate 2	**11-12-0581-13-A**	**12/08/11 00:00**	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11 20:26**	**111210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40000	2000		1,1-Dichloropropene	ND	2000	2000	
Benzene	370000	1000	2000		c-1,3-Dichloropropene	ND	1000	2000	
Bromobenzene	ND	2000	2000		t-1,3-Dichloropropene	ND	1000	2000	
Bromochloromethane	ND	2000	2000		Ethylbenzene	5400	2000	2000	
Bromodichloromethane	ND	2000	2000		2-Hexanone	ND	20000	2000	
Bromoform	ND	2000	2000		Isopropylbenzene	ND	2000	2000	
Bromomethane	ND	20000	2000		p-Isopropyltoluene	ND	2000	2000	
2-Butanone	ND	20000	2000		Methylene Chloride	ND	20000	2000	
n-Butylbenzene	ND	2000	2000		4-Methyl-2-Pentanone	ND	20000	2000	
sec-Butylbenzene	ND	2000	2000		Naphthalene	ND	20000	2000	
tert-Butylbenzene	ND	2000	2000		n-Propylbenzene	ND	2000	2000	
Carbon Disulfide	ND	20000	2000		Styrene	ND	2000	2000	
Carbon Tetrachloride	ND	1000	2000		1,1,1,2-Tetrachloroethane	ND	2000	2000	
Chlorobenzene	ND	2000	2000		1,1,2,2-Tetrachloroethane	ND	2000	2000	
Chloroethane	ND	10000	2000		Tetrachloroethene	ND	2000	2000	
Chloroform	ND	2000	2000		Toluene	ND	2000	2000	
Chloromethane	ND	20000	2000		1,2,3-Trichlorobenzene	ND	2000	2000	
2-Chlorotoluene	ND	2000	2000		1,2,4-Trichlorobenzene	ND	2000	2000	
4-Chlorotoluene	ND	2000	2000		1,1,1-Trichloroethane	ND	2000	2000	
Dibromochloromethane	ND	2000	2000		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20000	2000	
1,2-Dibromo-3-Chloropropane	ND	10000	2000		1,1,2-Trichloroethane	ND	2000	2000	
1,2-Dibromoethane	ND	2000	2000		Trichloroethene	ND	2000	2000	
Dibromomethane	ND	2000	2000		Trichlorofluoromethane	ND	20000	2000	
1,2-Dichlorobenzene	ND	2000	2000		1,2,3-Trichloropropane	ND	10000	2000	
1,3-Dichlorobenzene	ND	2000	2000		1,2,4-Trimethylbenzene	ND	2000	2000	
1,4-Dichlorobenzene	ND	2000	2000		1,3,5-Trimethylbenzene	ND	2000	2000	
Dichlorodifluoromethane	ND	2000	2000		Vinyl Acetate	ND	20000	2000	
1,1-Dichloroethane	ND	2000	2000		Vinyl Chloride	ND	1000	2000	
1,2-Dichloroethane	ND	1000	2000		Xylenes (total)	ND	2000	2000	
1,1-Dichloroethene	ND	2000	2000		Methyl-t-Butyl Ether (MTBE)	ND	2000	2000	
c-1,2-Dichloroethene	ND	2000	2000		Tert-Butyl Alcohol (TBA)	ND	20000	2000	
t-1,2-Dichloroethene	ND	2000	2000		Diisopropyl Ether (DIPE)	ND	4000	2000	
1,2-Dichloropropane	ND	2000	2000		Ethyl-t-Butyl Ether (ETBE)	ND	4000	2000	
1,3-Dichloropropane	ND	2000	2000		Tert-Amyl-Methyl Ether (TAME)	ND	4000	2000	
2,2-Dichloropropane	ND	2000	2000		Ethanol	ND	200000	2000	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 14 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FB	**11-12-0581-14-A**	**12/08/11 13:35**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 19:47**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	93	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 15 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EB	**11-12-0581-15-A**	**12/08/11 14:50**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 20:15**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	95	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**11-12-0581-16-A**	**12/08/11 00:00**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 20:42**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	97	80-126	
1,2-Dichloroethane-d4	95	80-134		Toluene-d8	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-6,519**	**N/A**	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11 15:38**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	80-120		Dibromofluoromethane	97	80-126	
1,2-Dichloroethane-d4	94	80-134		Toluene-d8	101	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 18 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-6,528**	**N/A**	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11 11:43**	**111210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	100	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-6,547**	**N/A**	**Aqueous**	**GC/MS CC**	**12/13/11**	**12/13/11 15:11**	**111213L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	80-120		Dibromofluoromethane	99	80-126	
1,2-Dichloroethane-d4	98	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: 20245 S. Vermont St., Torrance, CA			Page 20 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-6,564**	**N/A**	**Aqueous**	**GC/MS CC**	**12/14/11**	**12/14/11 14:07**	**111214L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	80-120		Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	95	80-134		Toluene-d8	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SWL 0044	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11**	**111209S09**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	200.0	36	38	6-138	6	0-39	
2-Chlorophenol	200.0	86	92	48-120	7	0-26	
1,4-Dichlorobenzene	200.0	79	89	13-145	12	0-26	
N-Nitroso-di-n-propylamine	200.0	98	101	60-144	3	0-40	
Naphthalene	200.0	88	94	50-150	6	0-20	
4-Chloro-3-Methylphenol	200.0	89	93	58-130	4	0-27	
Dimethyl Phthalate	200.0	94	102	50-150	8	0-20	
Acenaphthylene	200.0	96	105	50-150	9	0-20	
Acenaphthene	200.0	96	104	46-136	8	0-19	
4-Nitrophenol	200.0	34	33	8-176	1	0-34	
2,4-Dinitrotoluene	200.0	93	100	54-144	7	0-17	
Fluorene	200.0	93	101	50-150	8	0-20	
Pentachlorophenol	200.0	68	62	52-136	9	0-35	
Pyrene	200.0	99	104	39-165	5	0-56	
Butyl Benzyl Phthalate	200.0	104	109	50-150	5	0-20	
1,2,4-Trichlorobenzene	200.0	86	93	28-136	7	0-27	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: 12/08/11
Work Order No: 11-12-0581
Preparation: EPA 5030C
Method: EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SWL 0044	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11**	**111209S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	87	86	78-120	2	0-20	
Carbon Tetrachloride	50.00	92	94	67-139	2	0-20	
Chlorobenzene	50.00	99	97	80-120	2	0-20	
1,2-Dibromoethane	50.00	96	92	80-123	4	0-20	
1,2-Dichlorobenzene	50.00	87	88	76-120	1	0-20	
1,2-Dichloroethane	50.00	96	93	76-130	3	0-20	
1,1-Dichloroethene	50.00	79	76	70-130	3	0-27	
Ethylbenzene	50.00	101	98	73-127	3	0-20	
Toluene	50.00	95	93	72-126	2	0-20	
Trichloroethene	50.00	96	95	74-122	2	0-20	
Vinyl Chloride	50.00	79	79	65-131	1	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	84	86	69-123	3	0-20	
Tert-Butyl Alcohol (TBA)	250.0	84	91	65-131	8	0-22	
Diisopropyl Ether (DIPE)	50.00	74	74	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	84	85	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	99	98	70-124	2	0-20	
Ethanol	500.0	62	66	41-155	7	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-12-0763-1	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11**	**111210S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	105	101	78-120	4	0-20	
Carbon Tetrachloride	50.00	109	104	67-139	5	0-20	
Chlorobenzene	50.00	103	100	80-120	3	0-20	
1,2-Dibromoethane	50.00	100	98	80-123	2	0-20	
1,2-Dichlorobenzene	50.00	100	100	76-120	0	0-20	
1,2-Dichloroethane	50.00	106	101	76-130	5	0-20	
1,1-Dichloroethene	50.00	101	95	70-130	6	0-27	
Ethylbenzene	50.00	104	101	73-127	3	0-20	
Toluene	50.00	103	98	72-126	4	0-20	
Trichloroethene	50.00	105	99	74-122	6	0-20	
Vinyl Chloride	50.00	96	90	65-131	6	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	98	92	69-123	6	0-20	
Tert-Butyl Alcohol (TBA)	250.0	107	108	65-131	0	0-22	
Diisopropyl Ether (DIPE)	50.00	97	92	68-128	6	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	103	98	69-123	5	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	99	96	70-124	4	0-20	
Ethanol	500.0	107	110	41-155	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: 12/08/11
Work Order No: 11-12-0581
Preparation: EPA 5030C
Method: EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-12-0716-3	**Aqueous**	**GC/MS CC**	**12/13/11**	**12/13/11**	**111213S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	100	104	78-120	4	0-20	
Carbon Tetrachloride	50.00	115	129	67-139	12	0-20	
Chlorobenzene	50.00	97	104	80-120	7	0-20	
1,2-Dibromoethane	50.00	103	110	80-123	6	0-20	
1,2-Dichlorobenzene	50.00	94	100	76-120	6	0-20	
1,2-Dichloroethane	50.00	102	110	76-130	7	0-20	
1,1-Dichloroethene	50.00	96	104	70-130	9	0-27	
Ethylbenzene	50.00	100	108	73-127	7	0-20	
Toluene	50.00	94	103	72-126	9	0-20	
Trichloroethene	50.00	103	115	74-122	11	0-20	
Vinyl Chloride	50.00	79	88	65-131	11	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	99	113	69-123	13	0-20	
Tert-Butyl Alcohol (TBA)	250.0	105	106	65-131	1	0-22	
Diisopropyl Ether (DIPE)	50.00	90	102	68-128	12	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	52	64	69-123	19	0-21	3
Tert-Amyl-Methyl Ether (TAME)	50.00	84	95	70-124	13	0-20	
Ethanol	500.0	116	110	41-155	6	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
XMW 29	**Aqueous**	**GC/MS CC**	**12/14/11**	**12/14/11**	**111214S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	25000	80	75	78-120	1	0-20	3
Carbon Tetrachloride	25000	119	117	67-139	1	0-20	
Chlorobenzene	25000	102	100	80-120	2	0-20	
1,2-Dibromoethane	25000	102	102	80-123	0	0-20	
1,2-Dichlorobenzene	25000	104	102	76-120	2	0-20	
1,2-Dichloroethane	25000	111	110	76-130	2	0-20	
1,1-Dichloroethene	25000	98	97	70-130	1	0-27	
Ethylbenzene	25000	105	102	73-127	2	0-20	
Toluene	25000	99	94	72-126	5	0-20	
Trichloroethene	25000	108	104	74-122	3	0-20	
Vinyl Chloride	25000	84	81	65-131	4	0-24	
Methyl-t-Butyl Ether (MTBE)	25000	99	98	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	125000	102	96	65-131	6	0-22	
Diisopropyl Ether (DIPE)	25000	90	88	68-128	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	25000	58	58	69-123	0	0-21	3
Tert-Amyl-Methyl Ether (TAME)	25000	102	100	70-124	2	0-20	
Ethanol	250000	91	95	41-155	4	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 11-12-0581
Preparation: EPA 3510C
Method: EPA 8270C

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,282	**Aqueous**	**GC/MS SS**	**12/09/11**	**12/13/11**	**111209L09**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Phenol	200.0	32	33	4-142	0-165	2	0-24	
2-Chlorophenol	200.0	71	73	53-113	43-123	3	0-17	
1,4-Dichlorobenzene	200.0	49	52	50-122	38-134	7	0-19	ME
N-Nitroso-di-n-propylamine	200.0	74	76	56-146	41-161	3	0-22	
Naphthalene	200.0	57	60	21-133	2-152	5	0-20	
4-Chloro-3-Methylphenol	200.0	70	71	55-121	44-132	2	0-18	
Dimethyl Phthalate	200.0	72	75	0-112	0-131	4	0-20	
Acenaphthylene	200.0	69	72	33-145	14-164	4	0-20	
Acenaphthene	200.0	69	71	55-139	41-153	3	0-17	
4-Nitrophenol	200.0	21	22	1-145	0-169	5	0-29	
2,4-Dinitrotoluene	200.0	72	77	41-161	21-181	6	0-22	
Fluorene	200.0	70	73	59-121	49-131	5	0-20	
Pentachlorophenol	200.0	64	66	34-130	18-146	3	0-23	
Pyrene	200.0	80	81	38-170	16-192	2	0-27	
Butyl Benzyl Phthalate	200.0	78	79	0-152	0-177	2	0-20	
1,2,4-Trichlorobenzene	200.0	53	55	49-121	37-133	4	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	N/A
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0581
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-6,519	**Aqueous**	**GC/MS QQ**	**12/09/11**	**12/09/11**	**111209L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	85	86	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	94	93	66-138	54-150	1	0-20	
Chlorobenzene	50.00	97	96	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	94	93	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	88	89	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	95	94	80-129	72-137	1	0-20	
1,1-Dichloroethene	50.00	78	85	71-131	61-141	9	0-20	
Ethylbenzene	50.00	96	95	80-123	73-130	0	0-20	
Toluene	50.00	93	94	79-121	72-128	1	0-20	
Trichloroethene	50.00	94	95	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	83	89	70-136	59-147	7	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	90	84	72-126	63-135	7	0-22	
Tert-Butyl Alcohol (TBA)	250.0	82	81	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	50.00	76	76	69-129	59-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	89	88	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	101	101	67-133	56-144	0	0-20	
Ethanol	500.0	58	67	47-155	29-173	14	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 11-12-0581
Preparation: EPA 5030C
Method: EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-6,528	**Aqueous**	**GC/MS CC**	**12/10/11**	**12/10/11**	**111210L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	105	106	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	115	116	66-138	54-150	1	0-20	
Chlorobenzene	50.00	106	103	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	100	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	107	105	80-120	73-127	3	0-20	
1,2-Dichloroethane	50.00	102	103	80-129	72-137	2	0-20	
1,1-Dichloroethene	50.00	100	100	71-131	61-141	0	0-20	
Ethylbenzene	50.00	109	107	80-123	73-130	2	0-20	
Toluene	50.00	105	103	79-121	72-128	1	0-20	
Trichloroethene	50.00	105	105	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	97	96	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	94	96	72-126	63-135	2	0-22	
Tert-Butyl Alcohol (TBA)	250.0	104	101	71-125	62-134	2	0-25	
Diisopropyl Ether (DIPE)	50.00	95	96	69-129	59-139	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	102	104	69-129	59-139	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	100	101	67-133	56-144	1	0-20	
Ethanol	500.0	106	103	47-155	29-173	2	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 11-12-0581
Preparation: EPA 5030C
Method: EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-6,547	**Aqueous**	**GC/MS CC**	**12/13/11**	**12/13/11**	**111213L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	104	100	80-120	73-127	4	0-20	
Carbon Tetrachloride	50.00	121	114	66-138	54-150	6	0-20	
Chlorobenzene	50.00	103	99	80-120	73-127	4	0-20	
1,2-Dibromoethane	50.00	98	96	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	110	107	80-120	73-127	3	0-20	
1,2-Dichloroethane	50.00	103	101	80-129	72-137	3	0-20	
1,1-Dichloroethene	50.00	93	89	71-131	61-141	5	0-20	
Ethylbenzene	50.00	107	102	80-123	73-130	5	0-20	
Toluene	50.00	102	99	79-121	72-128	4	0-20	
Trichloroethene	50.00	106	101	80-120	73-127	4	0-20	
Vinyl Chloride	50.00	81	76	70-136	59-147	5	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	87	85	72-126	63-135	2	0-22	
Tert-Butyl Alcohol (TBA)	250.0	101	98	71-125	62-134	3	0-25	
Diisopropyl Ether (DIPE)	50.00	81	79	69-129	59-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	99	98	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	96	95	67-133	56-144	1	0-20	
Ethanol	500.0	98	95	47-155	29-173	4	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 11-12-0581
Preparation: EPA 5030C
Method: EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-6,564	**Aqueous**	**GC/MS CC**	**12/14/11**	**12/14/11**	**111214L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	102	103	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	118	119	66-138	54-150	1	0-20	
Chlorobenzene	50.00	101	100	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	101	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	104	103	80-120	73-127	0	0-20	
1,2-Dichloroethane	50.00	102	105	80-129	72-137	2	0-20	
1,1-Dichloroethene	50.00	95	96	71-131	61-141	1	0-20	
Ethylbenzene	50.00	105	104	80-123	73-130	1	0-20	
Toluene	50.00	96	97	79-121	72-128	1	0-20	
Trichloroethene	50.00	105	106	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	82	80	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	92	97	72-126	63-135	5	0-22	
Tert-Butyl Alcohol (TBA)	250.0	100	95	71-125	62-134	5	0-25	
Diisopropyl Ether (DIPE)	50.00	83	86	69-129	59-139	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	97	94	69-129	59-139	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	98	100	67-133	56-144	2	0-20	
Ethanol	500.0	94	87	47-155	29-173	8	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-12-0581

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 12/8/2011

PAGE: 1 of 2

SAMPLING COMPANY: C2 REM

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA

GLOBAL ID NO.:

ADDRESS: 2382 S.E. Bristol, Suite B

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.: 310-538-3265

E-MAIL:

CONSULTANT PROJECT NO.: 97-101

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

TELEPHONE: 949-261-8098

FAX: 949-261-8097

E-MAIL: kvollmer@c2rem.com

SAMPLER NAME(S) (Print): C2 REM field personnel

LAB USE ONLY: 11-12-0581

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

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.	VOCs+Oxygenates (8260B)	SVOCs (8270C)	TEMPERATURE ON RECEIPT C°
1	SWL 0051	12/8/11	8:50	water	4	X	X	
2	PZL 0025		09:37		4	X	X	
3	SWL 0008		10:19		4	X	X	
4	PZL 0019		11:38		4	X	X	
5	XMW 29		13:20		4	X	X	
6	PZL 0020		14:52		4	X	X	
7	PZL 0022		08:37		4	X	X	
8	PZL 0024		09:40		4	X	X	
9	XP 02		11:08		4	X	X	
10	PZL 0018		12:46		4	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	12/8/2011	~~12/8/2011~~ 1625
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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10/16/00 Revision

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CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way
Garden Grove, CA 92841-1432
(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):
SAP or CRMT NUMBER (TS/CRMT):

DATE: 12/8/2011
PAGE: 2 of 2

SAMPLING COMPANY: C2 REM
LOG CODE:
SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA
GLOBAL ID NO.:
ADDRESS: 2382 S.E. Bristol, Suite B
EDF DELIVERABLE TO (Responsible Party or Designee):
PHONE NO.: 310-538-3265
E-MAIL:
CONSULTANT PROJECT NO.: 97-101
PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm
SAMPLER NAME(S) (Print): C2 REM field personnel
LAB USE ONLY: 12-0581
TELEPHONE: 949-261-8098
FAX: 949-261-8097
E-MAIL: kvollmer@c2rem.com

TURNAROUND TIME (BUSINESS DAYS): ☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

MS/MSD For SWL 0044.

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.	VOCs+Oxygenates (8260B)	SVOCs (8270C)	TEMPERATURE ON RECEIPT C°
11	SWL 0044	12/8/11	13:40	Water	~~3~~ 12	X	X	MS/MSD
12	Duplicate 1	↓	—	↓	4	X	X	
13	Duplicate 2	↓	—	↓	4	X	X	
14	FB	↓	13:35	↓	4	X	X	
15	EB	↓	14:50	↓	4	X	X	
16	Trip Blank.	↓	—	↓	2	X		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	12/8/2011	1625
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-12-0587

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: C2 REN

DATE: 12/08/11

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.2 °C - 0.3 °C (CF) = 2.9 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: PS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: KM

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 111202A **Labeled/Checked by:** KM

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** WK

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** WK

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-12-0581

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: C2 REM

DATE: 12/08/11

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.7 °C - 0.3 °C (CF) = 3.4 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: PS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: KM

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** KM

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** WSC

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** WSC

Calscience Environmental Laboratories, Inc.

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Work Order Number: 11-12-0581

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-12-0581

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS: | **Comments:**

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-13) LABELED AS DUPLICATE - LF, 12/08/11.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: PS 12 / 08/11

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 11-12-0582

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: C2 REM

Client Project Name: 20245 S. Vermont St., Torrance, CA

Attention: Stefan Klemm
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Approved for release on 12/14/2011 by:
Xuan Dang
Project Manager

ResultLink ▸

Email your PM ▸

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience Environmental Laboratories, Inc.

Client:	C2 REM 2382 S.E. Bristol Street, Suite B Newport Beach, CA 92660-0756	Work Order:	11-12-0582
		Project name:	20245 S. Vermont St., Torrance, CA
		Received:	12/08/11 16:25
Attn:	Stefan Klemm		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
PZL0018-LF						
Diethyl Phthalate	**11**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**1700**		10	ug/L	EPA 8260B	EPA 5030C
PZL0019-LF						
Phenol	**52**		10	ug/L	EPA 8270C	EPA 3510C
Naphthalene	**50**		10	ug/L	EPA 8270C	EPA 3510C
Benzene	**370000**		1200	ug/L	EPA 8260B	EPA 5030C
Ethylbenzene	**6200**		2500	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0582
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0018-LF	**11-12-0582-1-D**	**12/08/11 12:16**	**Aqueous**	**GC/MS CCC**	**12/12/11**	**12/13/11 11:58**	**111212L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	11	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	73	42-138		2-Fluorophenol	53	7-121	
Nitrobenzene-d5	83	50-146		p-Terphenyl-d14	88	47-173	
Phenol-d6	35	1-127		2,4,6-Tribromophenol	85	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0582
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0019-LF	**11-12-0582-2-D**	**12/08/11 11:10**	**Aqueous**	**GC/MS CCC**	**12/12/11**	**12/13/11 12:24**	**111212L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	50	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	52	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	68	42-138		2-Fluorophenol	51	7-121	
Nitrobenzene-d5	81	50-146		p-Terphenyl-d14	87	47-173	
Phenol-d6	36	1-127		2,4,6-Tribromophenol	87	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0582
Newport Beach, CA 92660-0756		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,283**	**N/A**	**Aqueous**	**GC/MS CCC**	**12/12/11**	**12/13/11 11:31**	**111212L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Azobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzidine	ND	50	1		Fluoranthene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Fluorene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachlorocyclopentadiene	ND	25	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachloroethane	ND	10	1	
Benzoic Acid	ND	50	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Benzyl Alcohol	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		2-Methylphenol	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		3/4-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
4-Chloroaniline	ND	10	1		Naphthalene	ND	10	1	
2-Chloronaphthalene	ND	10	1		4-Nitroaniline	ND	10	1	
2-Chlorophenol	ND	10	1		3-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		2-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Butyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Di-n-Octyl Phthalate	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		Pentachlorophenol	ND	10	1	
Dibenzofuran	ND	10	1		Phenanthrene	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyridine	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	91	42-138		2-Fluorophenol	56	7-121	
Nitrobenzene-d5	88	50-146		p-Terphenyl-d14	98	47-173	
Phenol-d6	38	1-127		2,4,6-Tribromophenol	84	41-137	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0582
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0018-LF	**11-12-0582-1-B**	**12/08/11 12:16**	**Aqueous**	**GC/MS LL**	**12/09/11**	**12/09/11 16:48**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	400	20		1,1-Dichloropropene	ND	20	20	
Benzene	1700	10	20		c-1,3-Dichloropropene	ND	10	20	
Bromobenzene	ND	20	20		t-1,3-Dichloropropene	ND	10	20	
Bromochloromethane	ND	20	20		Ethylbenzene	ND	20	20	
Bromodichloromethane	ND	20	20		2-Hexanone	ND	200	20	
Bromoform	ND	20	20		Isopropylbenzene	ND	20	20	
Bromomethane	ND	200	20		p-Isopropyltoluene	ND	20	20	
2-Butanone	ND	200	20		Methylene Chloride	ND	200	20	
n-Butylbenzene	ND	20	20		4-Methyl-2-Pentanone	ND	200	20	
sec-Butylbenzene	ND	20	20		Naphthalene	ND	200	20	
tert-Butylbenzene	ND	20	20		n-Propylbenzene	ND	20	20	
Carbon Disulfide	ND	200	20		Styrene	ND	20	20	
Carbon Tetrachloride	ND	10	20		1,1,1,2-Tetrachloroethane	ND	20	20	
Chlorobenzene	ND	20	20		1,1,2,2-Tetrachloroethane	ND	20	20	
Chloroethane	ND	100	20		Tetrachloroethene	ND	20	20	
Chloroform	ND	20	20		Toluene	ND	20	20	
Chloromethane	ND	200	20		1,2,3-Trichlorobenzene	ND	20	20	
2-Chlorotoluene	ND	20	20		1,2,4-Trichlorobenzene	ND	20	20	
4-Chlorotoluene	ND	20	20		1,1,1-Trichloroethane	ND	20	20	
Dibromochloromethane	ND	20	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	20	
1,2-Dibromo-3-Chloropropane	ND	100	20		1,1,2-Trichloroethane	ND	20	20	
1,2-Dibromoethane	ND	20	20		Trichloroethene	ND	20	20	
Dibromomethane	ND	20	20		Trichlorofluoromethane	ND	200	20	
1,2-Dichlorobenzene	ND	20	20		1,2,3-Trichloropropane	ND	100	20	
1,3-Dichlorobenzene	ND	20	20		1,2,4-Trimethylbenzene	ND	20	20	
1,4-Dichlorobenzene	ND	20	20		1,3,5-Trimethylbenzene	ND	20	20	
Dichlorodifluoromethane	ND	20	20		Vinyl Acetate	ND	200	20	
1,1-Dichloroethane	ND	20	20		Vinyl Chloride	ND	10	20	
1,2-Dichloroethane	ND	10	20		Xylenes (total)	ND	20	20	
1,1-Dichloroethene	ND	20	20		Methyl-t-Butyl Ether (MTBE)	ND	20	20	
c-1,2-Dichloroethene	ND	20	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
t-1,2-Dichloroethene	ND	20	20		Diisopropyl Ether (DIPE)	ND	40	20	
1,2-Dichloropropane	ND	20	20		Ethyl-t-Butyl Ether (ETBE)	ND	40	20	
1,3-Dichloropropane	ND	20	20		Tert-Amyl-Methyl Ether (TAME)	ND	40	20	
2,2-Dichloropropane	ND	20	20		Ethanol	ND	2000	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	80-120		Dibromofluoromethane	112	80-126	
1,2-Dichloroethane-d4	99	80-134		Toluene-d8	92	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0582
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZL0019-LF	**11-12-0582-2-A**	**12/08/11 11:10**	**Aqueous**	**GC/MS LL**	**12/09/11**	**12/09/11 17:18**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50000	2500		1,1-Dichloropropene	ND	2500	2500	
Benzene	370000	1200	2500		c-1,3-Dichloropropene	ND	1200	2500	
Bromobenzene	ND	2500	2500		t-1,3-Dichloropropene	ND	1200	2500	
Bromochloromethane	ND	2500	2500		Ethylbenzene	6200	2500	2500	
Bromodichloromethane	ND	2500	2500		2-Hexanone	ND	25000	2500	
Bromoform	ND	2500	2500		Isopropylbenzene	ND	2500	2500	
Bromomethane	ND	25000	2500		p-Isopropyltoluene	ND	2500	2500	
2-Butanone	ND	25000	2500		Methylene Chloride	ND	25000	2500	
n-Butylbenzene	ND	2500	2500		4-Methyl-2-Pentanone	ND	25000	2500	
sec-Butylbenzene	ND	2500	2500		Naphthalene	ND	25000	2500	
tert-Butylbenzene	ND	2500	2500		n-Propylbenzene	ND	2500	2500	
Carbon Disulfide	ND	25000	2500		Styrene	ND	2500	2500	
Carbon Tetrachloride	ND	1200	2500		1,1,1,2-Tetrachloroethane	ND	2500	2500	
Chlorobenzene	ND	2500	2500		1,1,2,2-Tetrachloroethane	ND	2500	2500	
Chloroethane	ND	12000	2500		Tetrachloroethene	ND	2500	2500	
Chloroform	ND	2500	2500		Toluene	ND	2500	2500	
Chloromethane	ND	25000	2500		1,2,3-Trichlorobenzene	ND	2500	2500	
2-Chlorotoluene	ND	2500	2500		1,2,4-Trichlorobenzene	ND	2500	2500	
4-Chlorotoluene	ND	2500	2500		1,1,1-Trichloroethane	ND	2500	2500	
Dibromochloromethane	ND	2500	2500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25000	2500	
1,2-Dibromo-3-Chloropropane	ND	12000	2500		1,1,2-Trichloroethane	ND	2500	2500	
1,2-Dibromoethane	ND	2500	2500		Trichloroethene	ND	2500	2500	
Dibromomethane	ND	2500	2500		Trichlorofluoromethane	ND	25000	2500	
1,2-Dichlorobenzene	ND	2500	2500		1,2,3-Trichloropropane	ND	12000	2500	
1,3-Dichlorobenzene	ND	2500	2500		1,2,4-Trimethylbenzene	ND	2500	2500	
1,4-Dichlorobenzene	ND	2500	2500		1,3,5-Trimethylbenzene	ND	2500	2500	
Dichlorodifluoromethane	ND	2500	2500		Vinyl Acetate	ND	25000	2500	
1,1-Dichloroethane	ND	2500	2500		Vinyl Chloride	ND	1200	2500	
1,2-Dichloroethane	ND	1200	2500		Xylenes (total)	ND	2500	2500	
1,1-Dichloroethene	ND	2500	2500		Methyl-t-Butyl Ether (MTBE)	ND	2500	2500	
c-1,2-Dichloroethene	ND	2500	2500		Tert-Butyl Alcohol (TBA)	ND	25000	2500	
t-1,2-Dichloroethene	ND	2500	2500		Diisopropyl Ether (DIPE)	ND	5000	2500	
1,2-Dichloropropane	ND	2500	2500		Ethyl-t-Butyl Ether (ETBE)	ND	5000	2500	
1,3-Dichloropropane	ND	2500	2500		Tert-Amyl-Methyl Ether (TAME)	ND	5000	2500	
2,2-Dichloropropane	ND	2500	2500		Ethanol	ND	250000	2500	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	80-120		Dibromofluoromethane	112	80-126	
1,2-Dichloroethane-d4	99	80-134		Toluene-d8	91	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0582
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: 20245 S. Vermont St., Torrance, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-6,520**	**N/A**	**Aqueous**	**GC/MS LL**	**12/09/11**	**12/09/11 14:20**	**111209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,1-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromodichloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromoform	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		p-Isopropyltoluene	ND	1.0	1	
2-Butanone	ND	10	1		Methylene Chloride	ND	10	1	
n-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
sec-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
tert-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
Carbon Disulfide	ND	10	1		Styrene	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Tetrachloroethene	ND	1.0	1	
Chloroform	ND	1.0	1		Toluene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,3-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichloroethene	ND	1.0	1	
Dibromomethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		Xylenes (total)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	80-120		Dibromofluoromethane	111	80-126	
1,2-Dichloroethane-d4	101	80-134		Toluene-d8	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM		Date Received:	12/08/11
2382 S.E. Bristol Street, Suite B		Work Order No:	11-12-0582
Newport Beach, CA 92660-0756		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-12-0650-3	**Aqueous**	**GC/MS LL**	**12/09/11**	**12/09/11**	**111209S01**

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	250.0	101	103	78-120	2	0-20	
Carbon Tetrachloride	250.0	115	114	67-139	1	0-20	
Chlorobenzene	250.0	107	104	80-120	2	0-20	
1,2-Dibromoethane	250.0	99	98	80-123	1	0-20	
1,2-Dichlorobenzene	250.0	100	98	76-120	1	0-20	
1,2-Dichloroethane	250.0	97	96	76-130	1	0-20	
1,1-Dichloroethene	250.0	105	105	70-130	1	0-27	
Ethylbenzene	250.0	107	105	73-127	2	0-20	
Toluene	250.0	103	105	72-126	2	0-20	
Trichloroethene	250.0	98	100	74-122	1	0-20	
Vinyl Chloride	250.0	88	86	65-131	2	0-24	
Methyl-t-Butyl Ether (MTBE)	250.0	115	116	69-123	0	0-20	
Tert-Butyl Alcohol (TBA)	1250	95	98	65-131	3	0-22	
Diisopropyl Ether (DIPE)	250.0	117	115	68-128	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	250.0	107	106	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	250.0	100	100	70-124	0	0-20	
Ethanol	2500	110	111	41-155	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 11-12-0582
Preparation: EPA 3510C
Method: EPA 8270C

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,283	**Aqueous**	**GC/MS CCC**	**12/12/11**	**12/13/11**	**111212L04**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Phenol	200.0	32	32	4-142	0-165	1	0-24	
2-Chlorophenol	200.0	71	71	53-113	43-123	0	0-17	
1,4-Dichlorobenzene	200.0	49	49	50-122	38-134	0	0-19	ME
N-Nitroso-di-n-propylamine	200.0	77	76	56-146	41-161	1	0-22	
Naphthalene	200.0	58	57	21-133	2-152	0	0-20	
4-Chloro-3-Methylphenol	200.0	73	72	55-121	44-132	1	0-18	
Dimethyl Phthalate	200.0	75	78	0-112	0-131	4	0-20	
Acenaphthylene	200.0	72	74	33-145	14-164	3	0-20	
Acenaphthene	200.0	71	75	55-139	41-153	4	0-17	
4-Nitrophenol	200.0	37	38	1-145	0-169	3	0-29	
2,4-Dinitrotoluene	200.0	76	78	41-161	21-181	3	0-22	
Fluorene	200.0	72	75	59-121	49-131	4	0-20	
Pentachlorophenol	200.0	71	70	34-130	18-146	0	0-23	
Pyrene	200.0	80	79	38-170	16-192	1	0-27	
Butyl Benzyl Phthalate	200.0	80	80	0-152	0-177	0	0-20	
1,2,4-Trichlorobenzene	200.0	51	52	49-121	37-133	2	0-19	

Total number of LCS compounds : 16
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 11-12-0582
Preparation: EPA 5030C
Method: EPA 8260B

Project: 20245 S. Vermont St., Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-6,520	**Aqueous**	**GC/MS LL**	**12/09/11**	**12/09/11**	**111209L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	50.00	99	100	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	116	114	66-138	54-150	3	0-20	
Chlorobenzene	50.00	104	102	80-120	73-127	3	0-20	
1,2-Dibromoethane	50.00	99	98	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	99	98	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	95	97	80-129	72-137	2	0-20	
1,1-Dichloroethene	50.00	104	103	71-131	61-141	1	0-20	
Ethylbenzene	50.00	104	101	80-123	73-130	3	0-20	
Toluene	50.00	103	103	79-121	72-128	1	0-20	
Trichloroethene	50.00	97	99	80-120	73-127	2	0-20	
Vinyl Chloride	50.00	85	82	70-136	59-147	4	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	107	107	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	250.0	97	99	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	50.00	116	115	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	105	105	69-129	59-139	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	102	102	67-133	56-144	0	0-20	
Ethanol	500.0	106	84	47-155	29-173	23	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-12-0582

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

7440 Lincoln Way

Garden Grove, CA 92841-1432

(714) 895-5494 (714) 894-7501 fax

SHELL 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 St, Ste B
Newport Beach, CA 92660

☑ Environmental Services
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 12/8/2011

PAGE: 1 of 1

SAMPLING COMPANY: C2 REM

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont St., Torrance, CA

GLOBAL ID NO.:

ADDRESS: 2382 S.E. Bristol, Suite B

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.: 310-538-3265

E-MAIL:

CONSULTANT PROJECT NO.: 97-101

PROJECT CONTACT (Hardcopy or PDF Report to): Stefan Klemm

TELEPHONE: 949-261-8098

FAX: 949-261-8097

E-MAIL: kvollmer@c2rem.com

SAMPLER NAME(S) (Print): C2 REM field personnel

LAB USE ONLY: 11-12-0582

TURNAROUND TIME (BUSINESS DAYS):
☐ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ 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 ☐

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.	VOCs+Oxygenates (8260B)	SVOCs (8270C)	TEMPERATURE ON RECEIPT C°
1	PZL0018-LF	12/8/11	12:16	water	4	X	X	
2	PZL0019-LF	↓	11:10	water	4	X	X	
	~~PZL0020-LF~~ SA							

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	12/8/2011	1625 SA
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

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Work Order Number: 11-12-0582

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-12-0582

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: C2RIM

DATE: 12/08/11

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.2 °C - 0.3 °C (CF) = 2.9 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: PS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: KM

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** KM

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** YL

APPENDIX J

2011 GROUNDWATER MANN-KENDALL ANALYSIS

Appendix J
Mann-Kendall Trend Analysis
Del Amo Waste Pits

Mann-Kendall trend test / Two-tailed test (XMW29):

Kendall's tau	0.353
S	48.000
Var(S)	0.000
p-value (Two-tailed)	0.052
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.
The risk to reject the null hypothesis H0 while it is true is 5.18%.

Mann-Kendall trend test / Two-tailed test (XP02):

Kendall's tau	-0.148
S	-19.000
Var(S)	561.000
p-value (Two-tailed)	0.447
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.
The risk to reject the null hypothesis H0 while it is true is 44.73%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Mann-Kendall trend test / Two-tailed test (PZL0018):

Kendall's tau	0.422
S	43.000
Var(S)	399.667
p-value (Two-tailed)	0.036
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 3.57%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Mann-Kendall trend test / Two-tailed test (PZL0019):

Kendall's tau	-0.106
S	-11.000
Var(S)	406.333
p-value (Two-tailed)	0.620
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.
The risk to reject the null hypothesis H0 while it is true is 61.98%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Appendix J
Mann-Kendall Trend Analysis
Del Amo Waste Pits

Mann-Kendall trend test / Two-tailed test (SWL0044):

Kendall's tau	-0.769
S	-60.000
Var(S)	406.333
p-value (Two-tailed)	< 0.0001
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.01%.

Mann-Kendall trend test / Two-tailed test (PZL0025):

Kendall's tau	-0.517
S	-54.000
Var(S)	407.333
p-value (Two-tailed)	0.009
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.86%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Mann-Kendall trend test / Two-tailed test (SWL0008):

Kendall's tau	-0.741
S	-100.000
Var(S)	587.333
p-value (Two-tailed)	< 0.0001
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.01%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Mann-Kendall trend test / Two-tailed test (PZL0020):

Kendall's tau	-0.356
S	-48.000
Var(S)	587.333
p-value (Two-tailed)	0.052
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.
The risk to reject the null hypothesis H0 while it is true is 5.25%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Appendix J
Mann-Kendall Trend Analysis
Del Amo Waste Pits

Mann-Kendall trend test / Two-tailed test (PZL0024):

Kendall's tau	-0.506
S	-45.000
Var(S)	329.000
p-value (Two-tailed)	0.015
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 1.53%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Mann-Kendall trend test / Two-tailed test (PZL0022):

Kendall's tau	-0.105
S	-6.000
Var(S)	168.667
p-value (Two-tailed)	0.700
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.
The risk to reject the null hypothesis H0 while it is true is 70.02%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Mann-Kendall trend test / Two-tailed test (SWL0051):

Kendall's tau	-0.785
S	-49.000
Var(S)	203.000
p-value (Two-tailed)	0.001
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.08%.

Continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.