OMEGA CHEMICAL SITE PRP ORGANIZED GROUP
1322 Scott Street
Suite 104
San Diego, CA 92106
(619)-546-8377
(619)-546-9980
e-mail: edm@demaximis.com

August 1, 2012

Ms. Lynda Deschambault
Remedial Project Manager
U.S. Environmental Project Manager Agency-Region IX
75 Hawthorne Street (SFD-7-1)
San Francisco, CA 94105

Re: June 2012 Short Term Mitigation Air Sampling Report Submittal,
Omega Chemical Superfund Site, Whittier, California

Dear Ms. Deschambault:

Enclosed is the June 2012 Short Term Mitigation Air Sampling Report submittal for the Omega Chemical Superfund site. This report contains a summary of results of indoor air sampling conducted in June 2012 as well as information related to the Subslab Depressurization (SSD) and Interim Soil Vapor Extraction (ISVE) Systems for the Second Quarter 2012. This data submittal is being transmitted in accordance Task 1 of Administrative Settlement Agreement and Order on Consent/Statement of Work (AOC/SOW), which became effective on November 9, 2009.

Should you have any questions, regarding the above, please contact me.

Sincerely,
Omega Chemical Site PRP Organized Group

Edward Modiano
Project Coordinator

cc: David Stensby, USEPA
Tom Perina, CH2MHIL
Dave Chamberlin, CDM
Sharon Wallin, CDM
Stephanie Lewis, DTSC

CDM Smith
111 Academy Way, Suite 150
Irvine, CA 92617
tel: 949-752-5452

July 30, 2012

Mr. Ed Modiano
de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92107

Subject: Short Term Mitigation Air Sampling Report for June 2012
Omega Chemical Superfund Site
CDM Smith Project No: 10500-90421.AOC.IAQ
CDM Smith File No: 10500-5.2.3

Dear Mr. Modiano:

On behalf of the Omega Chemical Site PRP Organized Group (OPOG), CDM Smith Inc. (CDM Smith) is submitting this Short Term Mitigation Air Sampling (STMAS) Report for the June 2012 sampling event. This report includes the analytical results for the monthly and quarterly indoor air quality (IAQ) sampling, describes short-term mitigation measures in place, any changes or alterations, dates of operation, and recommended changes. In addition, this report includes building conditions, laboratory reports, sample location maps, and tabulated analytical results. This report also includes an operation summary of the interim soil vapor extraction 1 (ISVE1), interim soil vapor extraction 2 (ISVE2), and sub-slab depressurization (SSD) systems for the 2nd Quarter 2012 (April 1 through June 30). This report was prepared in accordance with the Administrative Settlement Agreement and Order on Consent (AOC) for the Removal Action, which was effective November 9, 2009.

Sampling Date, Locations Sampled, Number of Samples

June 27, 2012 monthly and quarterly indoor air quality sampling. Twenty-three (23) samples were sent to Air Toxics Ltd. for analysis. Two additional samples were collected as split samples for confirmatory analysis at a second laboratory (CalScience). The Terra Pave and Bishop properties are currently sampled on a quarterly basis, and the Regional Occupational Program (ROP) and Fred R. Rippy (FRR) properties are sampled on a monthly basis. The former Women's and Children's Crisis Shelter (WCCS) was also sampled during this sampling event.

- Terra Pave (four samples, includes one split sample to Calscience)
  - TP1 = First Floor Reception Area – two samples (includes split sample)

  - TP2 = Second Floor Office – one sample
  - TP3 = Maintenance Shop – one sample
- Bishop Co. (four samples, includes one duplicate to Air Toxics)
  - B1 = First Floor Reception/Office Area –two samples (includes duplicate)
  - B2 = Interior Store – one sample
  - B3 = Warehouse – one sample
- ROP (six samples, including one split sample to Calscience)
  - ROP1 – Office (Room 207) – two samples (includes split sample)
  - ROP2 – Classroom (Room 104) – one sample
  - ROP3 - Office (Room 108) – one sample
  - ROP4 - Dental Annex - Lobby/Computer Area - one sample
  - ROP5 - Dental Annex - Classroom - one sample
- WCCS (five samples)
  - WCCS2 – First floor in front of elevator – one sample
  - WCCS3 – First floor office – one sample
  - WCCS4 – First floor "Great Room" – one sample
  - WCCS6 – Second floor middle office 17 – one sample
  - WCCS7 – Second floor office 16 – one sample
- FRR (four samples, including one duplicate to Air Toxics)
  - FRR1 - First floor office – two samples (includes duplicate)
  - FRR2 - Production Area – one sample
  - FRR3 – Warehouse – one sample

- Ambient Air (2 samples)
  - AA1 = Exterior fence between Terra Pave and Madsen – one sample
    Note: A diesel truck was parked adjacent to AA1 all day. Workers were in yard repairing gasoline powered painting equipment. Propane powered forklift operated in the area during the day. Paint was used during the day in the vicinity of the AA1 sample.
  - AA8 - Exterior fence between parking lots near Dental Annex - one sample

There was a slight eastern breeze in the morning and a slight northwestern breeze at the end of the day.

Figures 1 through 4 identify and illustrate the indoor air sampling locations at Terra Pave and Bishop; Figure 5 identifies and illustrates the indoor air sampling locations at ROP. Figures 6 and 7 identify and illustrate the indoor air sampling locations at WCCS. Figure 8 identifies and illustrates the indoor air sampling locations at FRR. Figure 9 presents the indoor air sampling locations for June 2012. Figures are presented in Attachment A. Figure 10 presents the ambient air samples locations for the June 2012 sampling event.

Building Conditions

Terra Pave

- Ferguson Accounting staff is currently using the building during office hours starting at 10am.
- The maintenance shop has been mostly emptied and only minimal equipment remains. Workers were painting equipment outside the vehicle maintenance area during the day.
- The first floor office has been furbished as a receptionist/lobby area. The windows were closed. The front door was also closed but was used throughout the day. The door to the break room was open throughout the day. The office was unoccupied during sample placement and occupied during sample retrieval. The canister was moved from the desk to the floor during mid-day.
- The second floor office space was not in use. All doors to the office were closed during sampling. The window to the office where the canister was placed was open approximately three inches.
- The rollup door in the maintenance shop was closed during canister placement and opened during sample retrieval.

- The ventilation system in the office building does not operate 24 hours a day/seven days a week. The HVAC system serving the first floor was operating during the June 2012 sampling event, however the HVAC system was not operating in the second floor space.

Bishop

- The windows and doors were closed in the office building. The door from the office building to the warehouse was closed.
- The front office/reception area was unoccupied during sample placement, but occupied during sample retrieval. A plug-in air freshener was in the room.
- The front and rear rollup doors were open in the warehouse.
- The ventilation system fans were operating during the time of sampling. The ventilation system fans operate 24 hours a day, seven days a week. There is no HVAC in the warehouse.

ROP

- The ventilation system fans were operating during the time of sampling at the ROP and the Dental Annex. The ventilation system fans operate 24 hours a day, seven days a week.
- ROP staff is in the process of packing up to vacate the building. The move is anticipated to occur at the end of July 2012.
- The SSD system was in operation at the time of sampling, and is routinely operated 24 hours a day, seven days a week.
- The building's windows are sealed and cannot be opened.
- The door to Room 207 was open throughout the day. The office was occupied during sample placement and throughout the day.
- The door to Room 104 was closed and the room was not occupied during sample placement and retrieval.
- The door to Room 108 was opened and the office was occupied during sample placement and unoccupied during sample retrieval.
- The doors to the inner offices in the computer room/lobby area were opened during sampling placement and retrieval. The room was occupied during sample placement but not during sample retrieval.

- The door to the training area classroom at the Dental Annex was opened during canister placement and retrieval. The room was unoccupied at sample placement but occupied during sample retrieval. Classes are no longer held in the classroom.

WCCS

- The building is vacant, not in use, and contains minimal furniture.
- All but one HVAC system fan was operating during the time of sampling.
- The door of the first floor office (northwest corner of the building) was open during canister placement and canister retrieval.
- Both sets of doors from the hallway to the first floor "Great Room" were open during sample placement and retrieval.
- The northwest corner office on the second floor (office number 16) is empty. The door to the office was open during sample placement and retrieval.
- The middle office on the second floor (office number 17) is empty. The sample canister was placed in the middle of the room, on the floor. The door to the office was open during sample placement and retrieval.
- The elevator was not in use throughout the day.

FRR

- The HVAC system operates all day in the front office. There is no HVAC in the warehouse.
- The doors and windows to the production area and outside were closed throughout the day in the front office.
- Roll up doors and overhead windows in the production area were opened during the day.
- The warehouse rollup doors and doors to the outside were opened throughout the day. Electric powered forklifts were used in the area throughout the day.

Short Term Mitigation Measures in Place

- Indoor and ambient air sampling continues on a monthly basis at the ROP building. As requested by EPA, monthly sampling is also being performed at the FRR property.
- As requested, the purifiers at Bishop were shut off by the property owner on October 21, 2010. As discussed in prior STMAS reports, based on operation of the interim soil

vapor extraction 1 (ISVE1) system and review of indoor air analytical results, operation of the air purifiers is no longer necessary.

- The Terra Pave air purifiers were shut off by the property owner in May 2010. As noted above, based on operation of the ISVE1 system and review of indoor air analytical results, operation of the air purifiers is no longer necessary.

- The ISVE2 system began operation on March 6, 2012 in the area of the ROP, WCCS and FRR buildings.

- The SSD system at the ROP property operates 24 hours a day, seven days a week. The SSD system at the former WCCS building has been shut-down as the building is unoccupied.

Indoor Air Analytical Results

As briefly described above, monthly IAQ samples from the FRR and ROP buildings and quarterly IAQ samples from the Terra Pave and Bishop buildings were collected on June 27, 2012. In addition, the currently vacant former WCCS Building was also sampled as part of the evaluation on the effectiveness of the newly installed ISVE2 System, which began operation on March 6, 2012.

Table 1 in Attachment B presents the analytical results. The following provides a brief summary of these sampling results. Results are compared to EPA's Health Protective Screening Criteria (Tables 2 through 6). EPA defines the acceptable risk range as 10^{-4} to 10^{-6} lifetime cancer risk, with the 10^{-6} level defined as the Long-Term Health Protective Screening Criteria. EPA's Regional Screening Level (RSL) for TCE was revised in November 2011, with 300 ug/m^3 as the new 10^{-4} screening cancer risk level for non-residential exposures and 3.0 ug/m^3 as the new 10^{-6} screening cancer risk level for non-residential exposures. EPA's RSL for PCE was revised in May 2012, with 4,700 ug/m^3 as the new 10^{-4} screening cancer risk level for non-residential exposures and 47 ug/m^3 as the new 10^{-6} screening cancer risk level for non-residential exposures. Tables and graphs in Attachments B and C have been revised accordingly.

Bishop

The PCE concentrations in the administration office (0.26 micrograms per cubic meter, [ug/m^3] [field duplicate result was 0.27 ug/m^3]), warehouse (0.24 ug/m^3), and the interior store (0.38 ug/m^3) in June were below the current Long-Term Health Protective Screening Criteria of 47 ug/m^3 during the June sampling event. Based on these data, it appears that the operation of the ISVE1 system has been effective at improving indoor air conditions. PCE in the ambient air sample collected from the fence between Terra Pave and Madsen Roofing was 0.42 ug/m^3 during the June sampling event.

Terra Pave

PCE concentrations in the first floor reception/lobby area (0.36 ug/m^3 [split sample result was 0.36 ug/m^3]), the second floor office (0.31 ug/m^3) and the maintenance shop (0.78 ug/m^3) were below the current Long-Term Health Protective Screening Criteria of 47 ug/m^3 during the June sampling event. Based on these data, it appears that the operation of the ISVE1 system has been effective at improving indoor air conditions. PCE in the ambient air sample collected from the fence between Terra Pave and Madsen Roofing was 0.42 ug/m^3 during the June sampling event.

ROP

The PCE concentrations in Room 108 (0.26 ug/m^3), Room 104 (0.26 ug/m^3), Room 207 (0.26 ug/m^3 [split sample result was 0.42 ug/m^3]), Dental Annex Classroom (0.31 ug/m^3), and the Dental Annex Lobby/Computer Area (0.27 ug/m^3) were below the current Long-Term Health Protective Screening Criteria of 47 ug/m^3 during the June sampling event. PCE was detected at a concentration of 0.29 ug/m^3 in the ambient air sample collected from the parking lot near the Dental Annex during the June sampling event.

WCCS

The PCE concentrations in the first floor great room (0.38 ug/m^3), first floor office (northwest corner of building) (0.41 ug/m^3), first floor elevator lobby (0.38 ug/m^3), second floor Office 16 (0.30 ug/m^3), and the second floor Office 17 (0.29 ug/m^3) are below the current Long-Term Health Protective Screening Criteria of 47 ug/m^3 during the June sampling event. Based on these data, it appears that the operation of the ISVE2 system has been effective at improving indoor air conditions. PCE was detected at a concentration of 0.29 ug/m^3 in the ambient air sample collected from the parking lot near the Dental Annex during the June sampling event.

FRR

PCE concentrations in the front office (0.51 ug/m^3 [field duplicate result was 0.49 ug/m^3]), the production area (0.34 ug/m^3), and the warehouse (0.41 ug/m^3) were below the current Long-Term Health Protective Screening Criteria of 47 ug/m^3 during the June sampling event. Based on these data, it appears that the operation of the ISVE2 system has been effective at improving indoor air conditions. PCE was detected at a concentration of 0.29 ug/m^3 in the ambient air sample collected from the parking lot near the Dental Annex during the June sampling event.

Data Validation

Formal data validation was performed on the analytical results for the 23 samples analyzed by Air Toxics using the Level 4 data package provided by the laboratory. Laboratory reports for the June 27, 2012 sampling events are presented in Attachment F with the validation report. Following validation, the project's analytical Access database was updated (including any data validation flags, if needed) and the attached summary table (Attachment B, Table 1) was generated. As discussed in the data validation memo, two field duplicate samples were collected

during this event. The field duplicate of sample IAQ-B1-062712 (first floor reception/office area) had a 3.8 percent variation from the original sample for PCE (0.26 ug/m^3 in the original sample and 0.27 ug/m^3 in the field duplicate). The field duplicate of sample IAQ-FRR1-062712 (First floor office) had a 4.0 percent variation from the original sample for PCE (0.51 ug/m^3 in the original sample and 0.49 ug/m^3 in the field duplicate). These duplicates were within acceptance criteria and no action was necessary.

Two samples were submitted to a second laboratory (CalScience) as confirmatory split samples. Results for the split sample for location IAQ-TP1-062712 (First Floor Reception Area) had 0.0 percent variation from the original sample for PCE (0.36 ug/m^3 in both the original sample and in the split sample). Results for the split sample for location IAQ-ROP1-062712 (Room 207) had 47.1 percent variation from the original sample for PCE (0.26 ug/m^3 in the original sample and 0.42 ug/m^3 in the split sample). However, since the two data points met the acceptance criteria, no action was necessary.

The results for the split samples and field duplicate samples varied for several of the other detected compounds and are further discussed in the validation report in Attachment F.

ISVE1 System Operation

As part of the interim measures, the ISVE1 system was installed and began operation in June 2010. In September and October 2010, three additional vapor extraction wells (VEWs), two vapor monitoring probes (VMPs), and the corresponding piping conveyance were installed to expand the ISVE1 system. Initial testing of the new VEWs was performed in January and February 2011. In April 2011, the capacity of the treatment system was increased (a 1,000 cubic feet per minute [cfm]-rated blower was installed to replace the previous blower), and the new VEWs were brought online. In August 2011, the carbon adsorption vessels in the treatment system were changed from two 8,000 lb vessels to two 4,000 lb vessels to adjust for the significantly decreased influent concentrations. In May 2012, the two 4,000 lb vessels were replaced with new 4,000 lb vessels for better performance. Figure D1 provides a plan view of the VEWs, VMPs, the conveyance piping, and the treatment plant.

This ISVE1 data reporting and analysis section covers the reporting period from April 1, 2012 to June 30, 2012. The following tables and figures are included in Appendix D:

- Table D1 –VMP Monitoring Data Summary - presents vacuum and photoionization detector (PID) data from all of the vapor monitoring probe (VMP) locations.

- Table D2 – VEW Monitoring Data Summary - presents vacuum, flow, PID data, and other operating conditions at all of the VEWs.

- Table D3 – System Performance Monitoring - System Results - presents a summary of the system performance data, including key events, flow rates, PID data, removal efficiency, and other operating conditions.
- Table D4 – GAC Analytical Results - presents VOC analytical data from samples collected from the influent to the primary granular activated carbon (GAC) vessel, between the GAC vessels, and the treatment system effluent.
- Table D5 – System Performance Monitoring - Cumulative Mass Removal - presents the cumulative mass removal of all constituents detected during system operation.
- Table D6 – Overall Cumulative Mass Removal – presents a summary of VOC mass removal from the Site during the pilot test, the extended pilot test, and the operation of the ISVE1 System.
- Table D7 – VEW and VMP Analytical Results - presents VOC analytical data from samples collected from VEWs and VMPs.
- Figure D1 - Plan View of Extraction Wells, Treatment Plant, and Conveyance Piping Routing - shows a site map with locations of VEWs, VMPs, and the treatment compound.
- Figure D2 – Piping and Instrumentation Diagram - presents a graphical depiction of the treatment process, including piping, vessels, and sample ports.
- Figure D3 – ISVE1 Influence Coverage Map - shows the spatial distribution of vacuum data observed at the VMPs.
- Figure D4 – VOC concentration Trends at VEWs - presents historical VOC concentrations at VEWs over time.
- Figure D5 –Vapor Extraction Rates at VEWs - presents historical VEW flow rate data over time.
- Figure D6 – ISVE1 Influent – Select Chlorinated VOCs Concentrations - presents the chlorinated VOC concentrations measured at the influent to the carbon vessels over time.
- Figure D7– ISVE1 Influent – Select Non-Chlorinated VOCs Concentrations - presents the non-chlorinated VOC concentrations measured at the influent to the carbon vessels over time.
- Figure D8 –ISVE1 Cumulative VOC Mass Removal - demonstrates estimated cumulative mass removal by the ISVE1 System.

Analysis and discussion of these data are presented below.

Vacuum Measurements

The extent of influence is defined as the area where the vacuum produced by the ISVE1 system is observed. Vacuum data collected during the reporting period are presented in Table D1 and Figure D3.

The April 23, 2012 data show that 26 out of the 32 VMPs monitored exhibited a vacuum. This suggests a coverage area that encompasses most of the target treatment area. With the exception of VMP-3, all of the VMPs not exhibiting vacuum influence are located away from the extraction wells where less vacuum influence is to be expected. VMP-3's screen interval depth (40 to 45 feet below ground surface [bgs]) is relatively deep when compared to the VEWs, which have screen intervals of either 12 to 22 feet bgs or 20 to 30 feet bgs. Also, the screen interval of VMP-3 is below the less permeable '30-ft Unit', so less vacuum is not surprising. The lack of vacuum at VMP-3 may be attributable to the difference in depths of screen interval between VMP-3 and its closest VEWs. In addition, historical vacuum data from VMP-3 have not been consistent since January 2011.

The May 21, 2012 data show that 26 out of the 32 VMPs exhibited a vacuum. This suggests a coverage area that encompasses almost the entire target treatment area. With the exception of VMP-3, all of the VMPs not exhibiting vacuum influence are located away from the extraction wells where less vacuum influence is to be expected. The lack of vacuum at VMP-3 may be attributed to the same reasons described for the April 2012 event.

The June 11, 2012 data show that 24 out of the 32 VMPs exhibited a vacuum. This suggests a coverage area that encompasses almost the entire target treatment area. With the exception of VMP-3, all of the VMPs not exhibiting vacuum influence are located away from the extraction wells where less vacuum influence is to be expected. The lack of vacuum at VMP-3 may be attributed to the same reasons described for the April 2012 event.

Vapor Concentration, Flow Rate Analysis, and Mass Removal Estimates

The ISVE1 system operated at an average flow of 928 standard cubic feet per minute (SCFM) (measured at the influent of the GAC adsorbers) at 5.1 inches of mercury (measured at the header pipe) during the reporting period.

Prior to the first quarter 2012 reporting period, VOC concentrations have been declining at most of the VEWs (Figure D4). However, during the first quarter of 2012, and particularly during the March monitoring event, nearly all extraction wells exhibited increases in concentrations. The elevated concentration observed in March 2012 was sustained through the current reporting period. The cause of this VOC concentration increase is unknown, but no significant change to system operation was made that could have attributed to the increase.

Despite the recent increase in VOC concentration, five of seven VEWs that have been in operation since the ISVE1 system started have experienced a greater than 99 percent decline in total VOC influent concentration. Total VOC influent concentration at VE-8S and VE-11S have declined 91 and 98 percent compared to startup, respectively. Decrease in total VOC influent concentration at the expansion wells VE-6S, VE-14S, and VE-15S ranged from 39 to 81 percent compared to startup, but concentrations at these expansion wells were not nearly as elevated as some other wells.

Flows from all VEWs have remained relatively stable during the reporting period. Average flow rates during this reporting period ranged from 44 (VE-14S) to 235 SCFM (VE-6S) (Table D2 and Figure D5).

Concentrations of selected constituents, measured at the influent to the GAC vessels, have also been declining since system startup (Figures D6 and D7). The total VOC concentration at the influent to the GAC vessels has dropped from 350,000 parts per billion by volume (ppbv) on June 9, 2010 to 6,900 ppbv (a 98.0 percent decline) on June 5, 2012. The concentrations observed during the reporting period match the decreasing historical trend.

System flow rate and extracted soil vapor concentration data were used to estimate the amount of mass removed from the site. Estimates were based on analytical data when available, and interpolations of analytical data for periods during which no samples were collected. These estimates shows that as of June 25, 2012, after the ISVE1 system had run for a total of 15,061 hours, a total of approximately 5,977 pounds (lbs) of VOC mass had been removed by this system. The estimated removed mass included 4,822 lbs of tetrachloroethene (PCE), 441 lbs of Freon 113, 241 lbs of 1,1-dichloroethene (1,1-DCE), 198 lbs of trichloroethene (TCE), and 78 lbs of chloroform (CF). Other compounds removed in smaller quantities included vinyl chloride (VC), 1,1,1,-trichloroethane (1,1,1-TCA), 1, 1-dichloroethane (1,1-DCA), 1,2-dichloroethane (1,2-DCA), methylene chloride (MC), Freon 11, Freon 12, carbon disulfide, benzene, toluene, xylenes, methyl ethyl ketone (MEK), and isopropanol. Table D3 presents the ISVE1 system operating conditions and the removal efficiencies of the GAC vessels. Table D4 lists the analytical data from samples collected at the influent to the GAC vessel, in between the GAC vessels, and at the effluent of the GAC vessels. Table D5 includes the estimated cumulative mass removal total for each constituent detected during system operation. Figure D8 presents the cumulative mass removal since system startup.

As of June 25, 2012, approximately 7,209 lbs of VOCs have been removed since vapor extraction began several years ago with SVE pilot tests. This estimate includes VOC mass removed during the SVE pilot test, the extended SVE pilot test, and the current ISVE1 operation. Table D6 summarizes total cumulative mass removal during each phase.

Treatment Efficiency and Compliance

Vapor treatment in the ISVE1 system operated in compliance with SCAQMD requirements that are documented in the most current Operation and Maintenance (O&M) Manual, which contains operational conditions for substantive SCAQMD compliance that are based on a Health Risk Assessment for the ISVE1 System. These conditions include operating status, maintenance and monitoring requirements, sampling requirements, GAC treatment efficiency requirements, and emission concentration limits. The SCAQMD requirements were revised in June 2011 and again in November 2011 based on modified operation parameters due to the ISVE1 system upgrade and modification in April and August, 2011, respectively. The following paragraphs describe compliance of the ISVE1 system with the proposed permit conditions.

One of the revised permit conditions is that the total flow rate at the inlet to the GAC adsorbers shall not exceed 1,000 SCFM. System influent flow has stayed below 1,000 SCFM since the system upgrade in April, 2011. All periodic maintenance, monitoring, and sampling requirements stated in the revised permit conditions have been met.

The adsorption efficiency requirement from the revised permit conditions is 90 percent removal compared to influent concentrations, as measured at the effluent of the primary adsorber vessel (lead vessel) and 99 percent removal, as measured at the system effluent. If adsorption efficiency of 90 percent is not met at the lead vessel effluent, the proposed condition requires that the system be shut down and the GAC replaced. Analytical results showed that adsorption efficiency of the lead vessel was above 90% during all three monthly sampling events in the reporting period. Removal efficiencies of the GAC vessels based on both PID and analytical data are presented in Table D3. Analytical results are presented in Table D4.

Adsorption efficiency of 99 percent by the lead and lag vessels combined was not met on April 2, April 17, May 7, and from May 21 to June 25, based on PID data. Analytical results showed that adsorption efficiency was below 99 percent (97.5%) on April 23, 2012, but above 99% on May 15 and June 5, 2012. The system was shut down on April 30, 2012. On May 4, 2012, the carbon vessels were replaced with new vessels of the same capacity with fresh carbon. The system was restarted on the same day.

The outlet of the secondary GAC absorber (lag vessel) is not to exceed 8.9 part per million by volume (ppmv) based on PID according to the revised permit conditions. The outlet of the lag vessel was within the limit of 8.9 ppmv during all monitoring events within the reporting period.

Emission concentration limits (emission limits) for various constituents from the revised permit conditions are presented in Table D4. These revised emission limits were set based on estimated data to comply with SCAQMD established health risk thresholds of cancer risk probability of less than ten in a million, chronic risk index of less than one, and acute risk index

of less than one. None of the constituents had concentrations that were above the emission limit based on the analytical data from the April 23, May 15, and June 5, 2012 monitoring events. Analytical data from samples collected from the effluent of the GAC vessels are presented in Table D4. Emission limits and analytical data are all included in Table D4.

ISVE2 System Operation

The ISVE2 system was installed and began operation on March 6, 2012. The system consists of 11 VEWs, 42 VMPs (some of which have multiple vapor sampling ports at various depths), vapor conveyance piping, and a treatment system similar to that of the ISVE1 System. Figure E1 provides a plan view of the VEWs, VMPs, the conveyance piping, and the treatment plant. Figure E2 presents the piping and instrumentation diagram of the ISVE2 System.

This ISVE2 data reporting and analysis section covers the reporting period since startup from April 1, 2012 to June 30, 2012. The following tables and figures are included in Appendix E:

- Table E1 –VMP Monitoring Data Summary - presents vacuum and photoionization detector (PID) data from all of the vapor monitoring probe (VMP) locations.
- Table E2 – VEW Monitoring Data Summary - presents vacuum, flow, PID data, and other operating conditions at all of the VEWs.
- Table E3 – System Performance Monitoring - System Results - presents a summary of the system performance data, including key events, flow rates, PID data, removal efficiency, and other operating conditions.
- Table E4 – GAC Analytical Results - presents VOC analytical data from samples collected from the influent to the primary granular activated carbon (GAC) vessel, between the GAC vessels, and the treatment system effluent.
- Table E5 – System Performance Monitoring - Cumulative Mass Removal - presents the cumulative mass removal of all constituents detected during system operation.
- Table E6 – VEW and VMP Analytical Results - presents VOC analytical data from samples collected from VEWs and VMPs.
- Figure E1 – ISVE2 Plan View of Extraction Wells, Treatment Plant, and Conveyance Piping Routing - shows a site map with locations of VEWs, VMPs, and the treatment compound.
- Figure E2 – ISVE2 Piping and Instrumentation Diagram - presents a graphical depiction of the treatment process, including piping, vessels, and sample ports.

- Figure E3 – ISVE2 Influence Coverage Map - shows the spatial distribution of vacuum data observed at the VMPs.
- Figure E4 – ISVE2 VOC concentration Trends at VEWs - presents historical VOC concentrations at VEWs over time.
- Figure E5 –ISVE2 Vapor Extraction Rates at VEWs - presents historical VEW flow rate data over time.
- Figure E6 – ISVE2 Influent – Select Chlorinated VOCs Concentrations - presents the chlorinated VOC concentrations measured at the influent to the carbon vessels over time.
- Figure E7 –ISVE2 Cumulative VOC Mass Removal - demonstrates estimated cumulative mass removal by the ISVE1 System.

Analysis and discussion of these data are presented below.

Vacuum Measurements

The extent of influence is defined as the area where the vacuum produced by the ISVE2 system is observed. Vacuum data collected during the reporting period are presented in Table E1 and Figure E3.

The April 18, 2012 data show that 40 out of 55 VMP ports sampled exhibited a vacuum. This suggests a coverage area that encompasses almost the entire target treatment area. With the exception of FRR-VMP-10, FRR-VMP-11, and VMP-37, all of the VMP ports not exhibiting vacuum influence are either located away from the extraction wells where less vacuum influence is to be expected, or located where vacuum was observed at another depth at the same location. Vacuum influence at FRR-VMP-10 and FRR-VMP-11 may be relatively low due to surrounding lithology or other unknown factor that impedes transmission of suction through the surrounding pore space. VMP-37 is located immediately adjacent to VE-20S and was expected to exhibit vacuum. The lack of vacuum at VMP-37 prompted an investigation of the operation of VE-20S, which resulted in a discovery of a tagging error during piping installation. Subsequent to the tagging correction on May 24, 2012, VE-20S began pulling vacuum and influencing the nearby VMP-37.

The May 2, 2012 data show that 42 out of 58 VMP ports exhibited a vacuum. This suggests a coverage area that encompasses almost the entire target treatment area. With the exception of FRR-VMP-11 and VMP-37, all of the VMP ports not exhibiting vacuum influence are either located away from the extraction wells where less vacuum influence is to be expected, or located where vacuum was observed at another depth at the same location. Vacuum influence at FRR-VMP-11 may be relatively low due to surrounding lithology or other unknown factor that

impedes transmission of suction through the surrounding pore space. The lack of vacuum at VMP-37 may be attributable to the same reasons as stated for the April 18, 2012 event.

The June 12, 2012 data show that 38 out of 70 VMP ports exhibited a vacuum. This suggests a coverage area that encompasses almost the entire target treatment area. With the exception of FRR-VMP-9, FRR-VMP-10, FRR-VMP-11, all of the VMP ports not exhibiting vacuum influence are either located away from the extraction wells where less vacuum influence is to be expected, or located where vacuum was observed at another depth at the same location. Vacuum influence at FRR-VMP-9 thru 11 may be relatively low due to surrounding lithology or other unknown factor that impedes transmission of suction through the surrounding pore space.

Vapor Concentration, Flow Rate Analysis, and Mass Removal Estimates

The ISVE2 system operated at an average of 1,191 SCFM at 4.2 inches of mercury during the reporting period, measured at the influent of the GAC adsorbers.

VOC concentrations at the VEWs were sampled on April 24, May 16, and June 5, 2012. VOC concentrations have declined at all but one of the VEWs since system startup. VOC concentration decline was most apparent at VE-30S, where a 99% concentration decline was observed. VE-21S and VE-24S were the only VEWs with increased VOC concentration after ISVE2 System startup, but have declined in concentration during this reporting period.

It is noted that due to the discovery of a pipe labeling error, data collected prior to May 24, 2012 for VE-20S are considered erroneous. Only one set of monthly data was collected since May 24, 2012 at VE-20S. Therefore, data from VE-20S is not considered during this reporting period's evaluation.

Average flow rates from the VEWs during this reporting period ranged from 28 (VE-28S) to 299 SCFM (VE-25S) (Table E2). Flows from most VEWs have been relatively stable since startup. Flows at VE-26S fluctuated in April but have stabilized since May 2012.

Concentrations of VOCs, measured at the influent to the GAC vessels, have also declined since system startup. The total VOC concentration at the GAC vessels influent has dropped from 51,000 ppbv on March 7, 2012 to 6,000 ppbv (a 88 percent decline) on June 5, 2012.

System flow rate and extracted soil vapor concentration data were used to estimate the amount of mass removed from the site. Estimates were based on analytical data when available, and interpolations of analytical data for periods during which no samples were collected. These estimates shows that as of June 26, 2012, after the ISVE2 system had run for a total of 2,255 hours, a total of approximately 829 lbs of VOC mass had been removed by this system. The estimated removed mass included 570 lbs of PCE, 78 lbs of 1,1-DCE, 37 lbs of TCE, 95 lbs of Freon 113, 19 lbs of Freon 11, and 19 lbs of CF. Other compounds removed in smaller quantities

included VC, 1,1,1-TCA, 1,1-DCA, 1,2-DCA, MC, Freon 12, carbon disulfide, benzene, toluene, xylenes, methyl ethyl ketone (MEK), and isopropanol. Table E3 presents the ISVE2 system operating conditions and removal efficiencies of the GAC vessels. Table E4 lists the analytical data from samples collected at the influent to the GAC vessel, in between the GAC vessels, and at the effluent of the GAC vessels. Table E5 includes the estimated cumulative mass removal total for each constituent detected during system operation.

Treatment Efficiency and Compliance

Vapor treatment in the ISVE2 system is to operate in compliance with SCAQMD requirements that are documented in the most current Operation and Maintenance (O&M) Manual, which contains operational conditions for substantive SCAQMD compliance that are based on a Health Risk Assessment for the system. These conditions include operating status, maintenance and monitoring requirements, sampling requirements, GAC treatment efficiency requirements, and emission concentration limits. The following paragraphs describe compliance of the ISVE2 system with the proposed permit conditions.

One of the revised permit conditions is that the total flow rate at the inlet to the GAC adsorbers shall not exceed 1,060 SCFM. System influent flow was slightly above the permitted flow during monitoring events during the reporting period (average flow during the reporting period was 1191 SCFM). Given the significant decrease in concentrations and the numerous safety factors included in the Health Risk Assessment, it is very unlikely that risk limits were exceeded during 2Q2012. The 2Q2012 data for the ISVE2 system are currently being reviewed to verify that there was no risk exceedance during this period. Other periodic maintenance, monitoring, and sampling requirements stated in the revised permit conditions have been met.

The adsorption efficiency requirement from the revised permit conditions is 90 percent removal compared to influent concentrations, as measured at the effluent of the primary adsorber vessel (lead vessel). If adsorption efficiency of 90 percent is not met at the lead vessel effluent, the proposed condition requires that the system be shut down and the GAC replaced. Analytical results showed that adsorption efficiencies were below 90 percent on April 24 and May 16, 2012 (41 and 58%, respectively), but above 90 percent on June 5, 2012. The system was shut down and carbon changeout of the lead vessel was performed on May 4 and on May 22, 2012.On both occasions, the lead and lag vessel were swapped following carbon changeout of the lead vessel, and the system was restarted on the same day. Removal efficiencies of the GAC vessels based on both PID and analytical data are presented in Table E3. Analytical results are presented in Table E4.

The outlet of the secondary GAC absorber (lag vessel) is not to exceed 3.2 part per million by volume (ppmv) based on PID according to the revised permit conditions. The outlet of the lag vessel was within the limit of 3.2 ppmv during all but two monitoring events in the reporting period. On April 3 and on May 2, 2012, the outlet of the lag vessel exhibited PID readings of

above 3.2 ppmv. The ISVE2 system was shut down on April 3 and on May 4, 2012for carbon changeouts.

Emission concentration limits (emission limits) for various constituents from the revised permit conditions are presented in Table E4. These revised emission limits were set based on estimated data to comply with SCAQMD established health risk thresholds of cancer risk probability of less than ten in a million, chronic risk index of less than one, and acute risk index of less than one. None of the constituents had concentrations that were above the emission limit based on the analytical data from the April 24 and June 5, 2012 monitoring events. However, benzene was detected to be above the emission limit based on analytical data from the May 16, 2012 monitoring event. The system was shut down and carbon changeout of the lead vessel was performed on May 22, 2012. Analytical data from samples collected from the effluent of the GAC vessels are presented in Table E4. Emission limits and analytical data are all included in Table E4.

Sub-Slab Depressurization Systems Operation

In July and August 2010, the SSD systems were installed in the WCCS and ROP buildings. The systems consist of SSDBs installed around WCCS/ROP buildings to induce a downward pressure gradient beneath the building slabs to prevent vapor intrusion into the building and sub-slab vacuum monitoring points (VMPs). The system began operation on August 11, 2010, and new SSDBs have been brought online as they have been installed.

In December 2010, the SSD systems in the WCCS building were modified to include three additional SSD blower/suction pits and three VMPs. Another expansion of the systems was completed during the period from March 2 to March 10, 2011, to further induce a downward pressure gradient beneath the building slabs. During this expansion, four new VMPs were installed within the ROP building, SSDVMP-14 through SSDVMP-17. Five new suction pits were installed within the ROP building, SSDB-12 through SSDB-16. One existing VMP in the Dental Annex of the ROP building, SSDVMP-10, was converted to a suction pit, SSDB-18. One new VMP, SSDVMP-18, was also installed at the Dental Annex. One new suction pit, SSDB-17, and one new VMP, SSDVMP-19, were installed within the WCCS building.

In April and May 2011, the exhaust piping from SSDB-8 and SSDB-17 were plumbed together into a header connected to a knock out pot and two GAC vessels, connected in series, to provide treatment of the extracted vapors. This expanded treatment system began operation on May 6, 2011.

The SSD systems at the former WCCS, including SSDB-8 and SSDB-17, operated normally until December 20, 2011, at which time the systems were shut-down. The shut-down was approved by EPA since WCCS had vacated the premises on September 30, 2011 and the building was unoccupied. The SSD systems at the ROP operated normally during the reporting period, but

will be shut down after the tenants at the ROP have vacated the property (the scheduled move is to occur in July/August, 2012).

Since ISVE2 system operation began on March 6, 2012, indoor air concentrations had significantly decreased to below screening levels at the WCCS (where SSD System has been shut down since December 20, 2011) and at the ROP. Due to the effectiveness of the ISVE2 system, operation parameters of the SSD system at the ROP were not monitored during the reporting period.

Changes or Alterations

- As noted in prior STMAS reports, WCCS staff vacated the building as of September 30, 2011. The building is currently unoccupied.

- Based on the EPA comments to the Omega Technical Memorandum Post-Mitigation Evaluation (CDM Smith, November 3, 2011), the ISVE1 is achieving the objective of maintaining indoor air levels below the Risk Screening Level (RSL) for the Terra Pave and Bishop buildings. Therefore, the sampling frequency at Terra Pave and Bishop has been decreased to once per quarter. As a result, Terra Pave and Bishop will be sampled quarterly in March, June, September and December of each year. The next quarterly sampling event at Terra Pave and Bishop will occur in September 2012.

Recommended Changes/Actions

- Although continued indoor air sampling of the FRR building is not required under the current AOC, OPOG has agreed to do so. Tenants at FRR had been requested by EPA to run the HVAC system 24/7, and to keep the windows open to the extent practicable. As EPA is aware, OPOG has installed an ISVE2 system in the immediate vicinity of the FRR, ROP, and former WCCS buildings, which began operation on March 6, 2012.

- The July 2012 monthly indoor air sampling event occurred on July 31, 2012, with samples collected from the ROP, WCCS and FRR buildings.

- As also approved by EPA, the WCCS SSD system was turned off on December 20, 2011.

- Based on the demonstrated effectiveness of the ISVE1 system at reducing indoor air concentrations inside the Bishop building, it is recommended that 24/7/365 operation of the ventilation fans be discontinued.

- Concentrations inside the ROP building have been below the Long-Term Health Protective Screening Criteria for PCE since 2010. Based on the recent installation and operation of the ISVE2 system and the low concentrations inside the ROP building, the ROP SSD system will be turned off once ROP has moved out of the building (ROP is scheduled to vacate the

premises by July 31st). The property owner will also be requested to change the settings on the HVAC system fans to run in the "Auto" position, and to discontinue 24/7/365 operation of the ROP fans.

- The indoor air quality at the ROP, WCCS, and FRR properties have been monitored on a monthly basis. Based on the recent installation and operation of the ISVE2 system and the low concentration inside the ROP, WCCS, and FRR buildings, a Pro-UCL statistical evaluation will be performed in September 2012 following receipt of the July and August IAQ results to evaluate a potential change in sampling frequency at these locations to quarterly.

Other Short Term Mitigation Measures Activities

None.

If you have any questions regarding this report, please feel free to call me at (949) 930-9866.

Sincerely,

Sharon Wallin, P.G.
Project Manager
CDM Smith Inc.

Attachments

Attachment A:
Attachment A: Figures- IAQ Sample Location Maps
Figures 1 and 2-Terra Pave
Figures 3 and 4-Bishop
Figure 5 - ROP
Figures 6 and 7 – WCCS
Figure 8 – FRR
Figure 9 - Indoor Air Quality Sampling Locations (June 2012)
Figure 10 – Ambient Air Sample Locations (June 2012)

Attachment B: Tables
Table 1 - Analytical Summary Table
Tables 2 through 6- Comparison to Health Protective Screening Criteria
Table 7 – ISVE1, ISVE2, and SSD Data Quality Assessment Table

Attachment C: Graphs of TCE and PCE Concentrations (Bishop, Terra Pave, FRR, WCCS, ROP,)

Attachment D: Interim SVE System 1 (ISVE1) Figures and Tables

Attachment E: Interim SVE System 2 (ISVE2) Figures and Tables

Attachment F: Laboratory Reports and Data Validation Memo

Attachment A - Figures

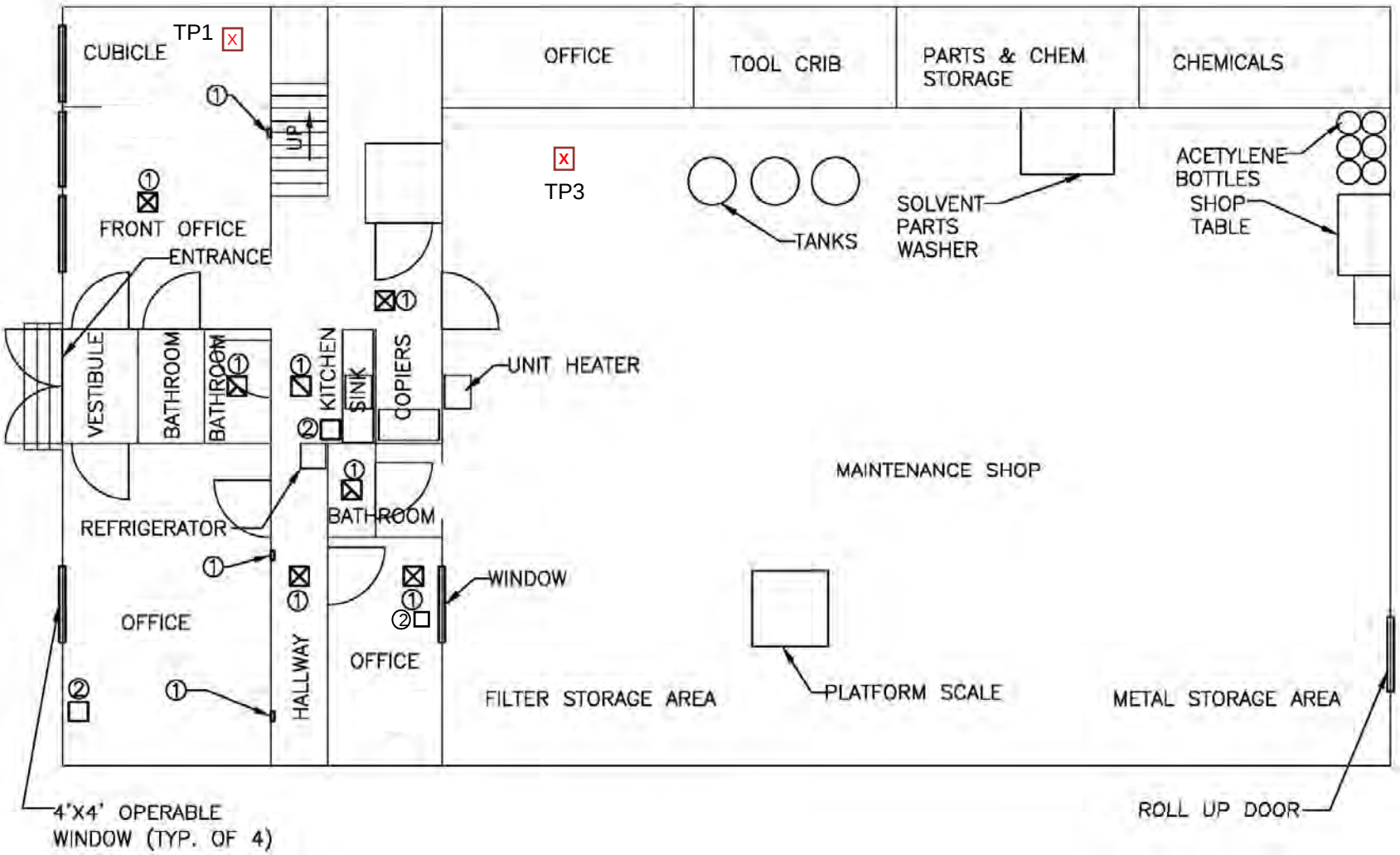
LEGEND

① Diffuser

② Purifier (Installed December 2008, Approximate Location)

[2] Purifier (Installed February 2009, Approximate Location)

[X] Indoor Air Sample Location (TP1, TP2, TP3 Approximate)



TERRA PAVE

NTS

Figure 1
Terra Pave – First Floor

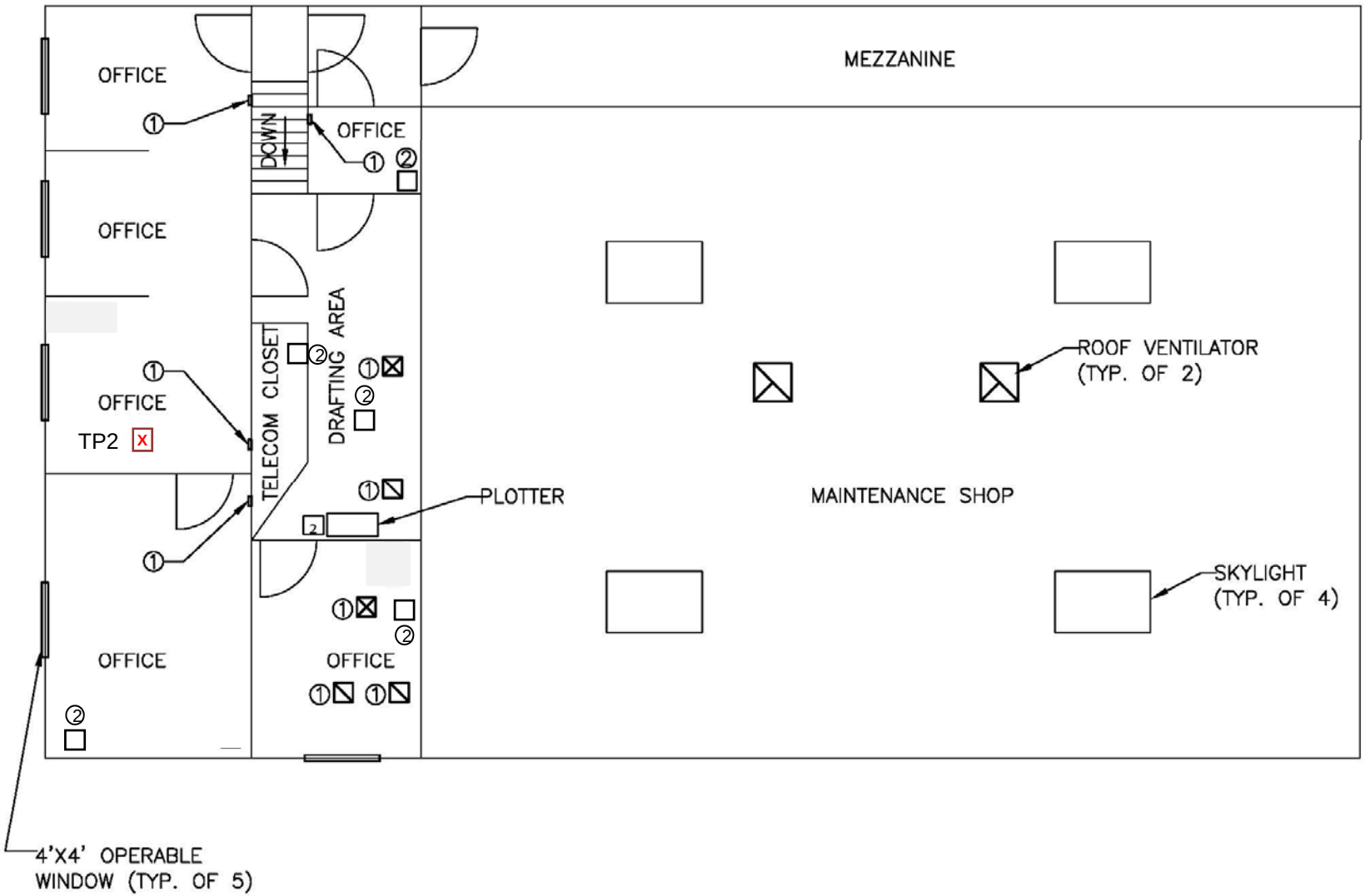
LEGEND

① Diffuser

② Purifier (Installed December 2008, Approximate Location)

[2] Purifier (Installed February 2009, Approximate Location)

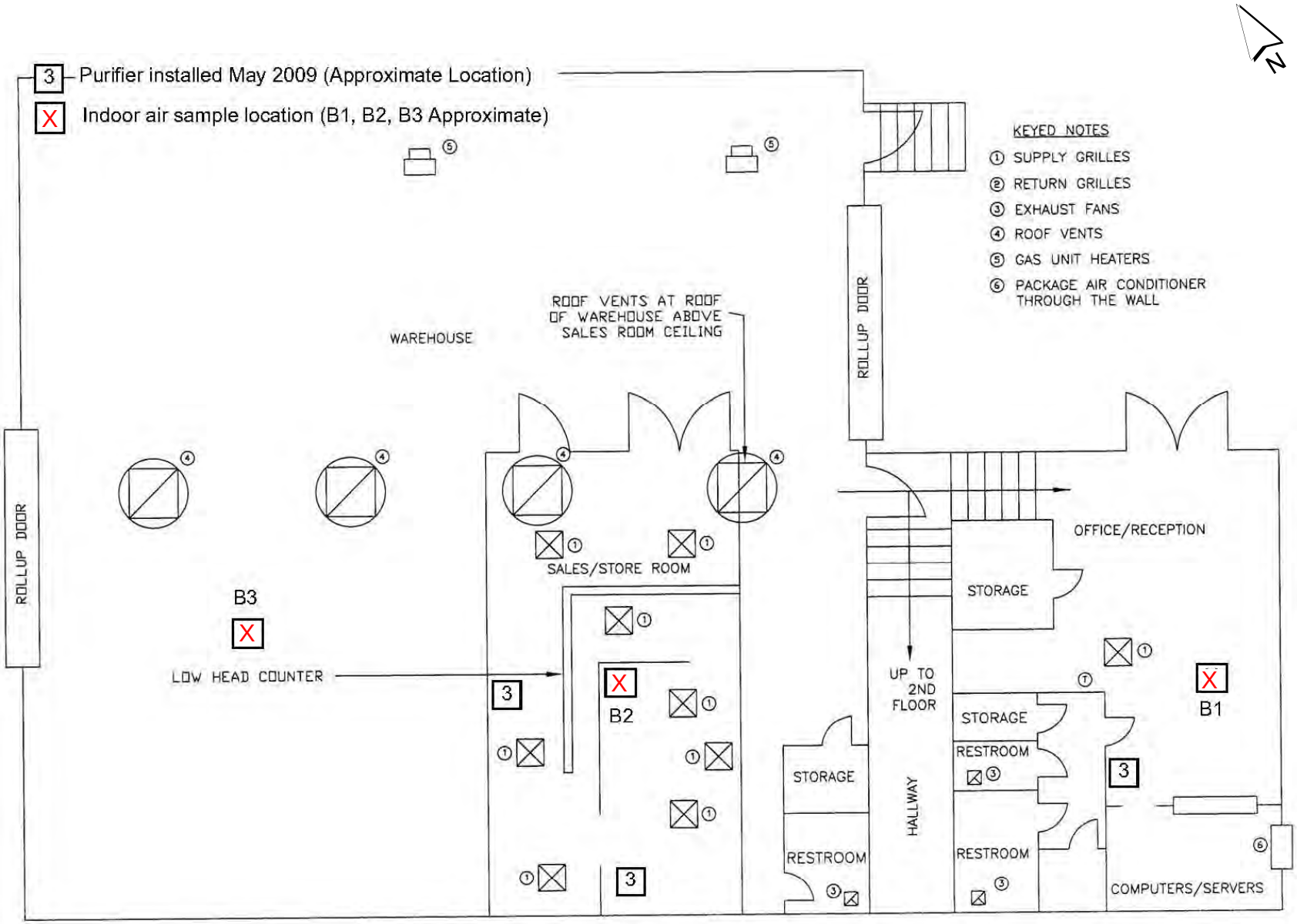
[X] Indoor Air Sample Location (TP1, TP2, TP3 Approximate)



TERRA PAVE

NTS

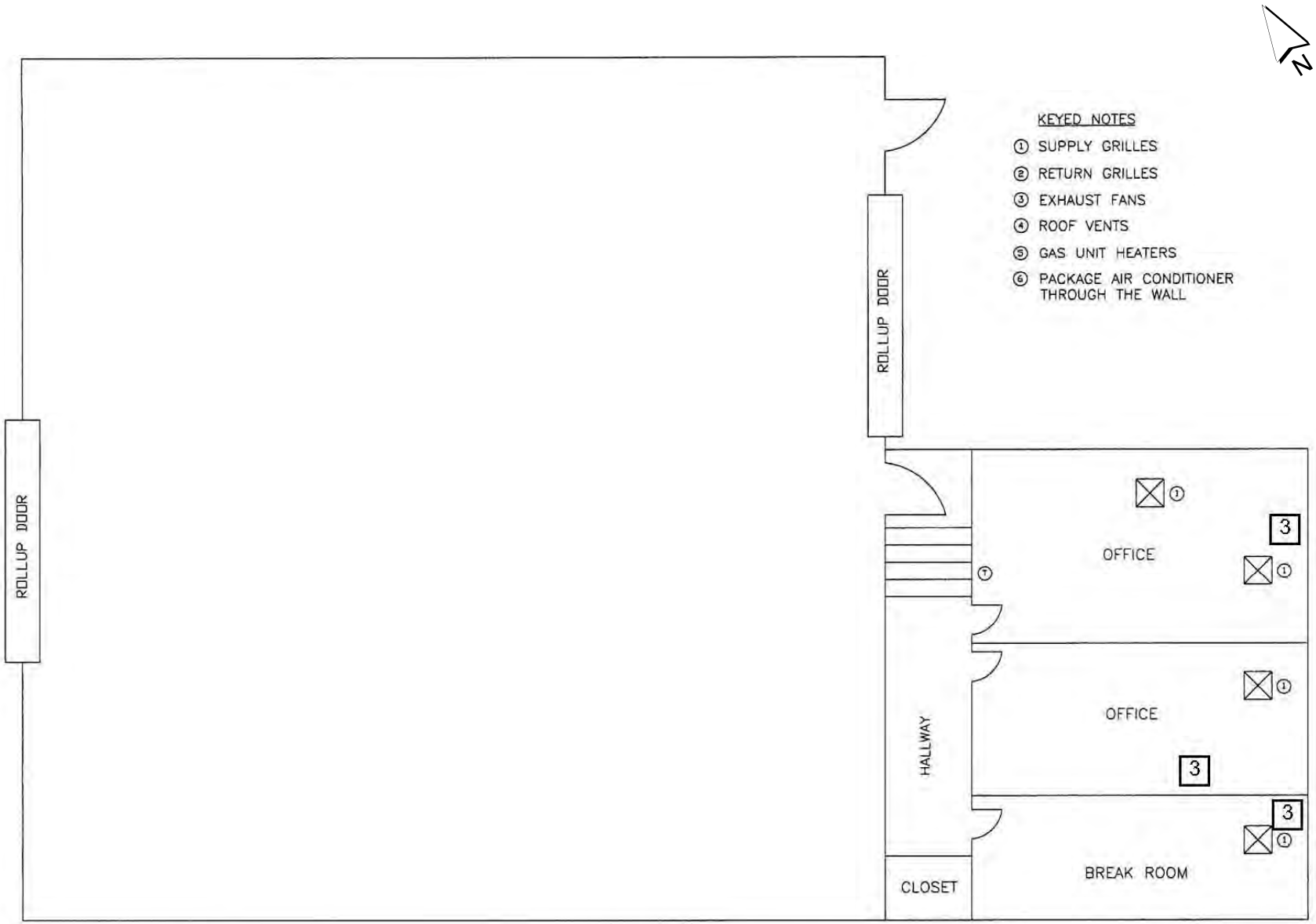
Figure 2
Terra Pave – Second Floor



BISHOP COMPANY FIRST FLOOR

NTS

Figure 3
Bishop – First Floor



BISHOP COMPANY SECOND FLOOR
NTS

Figure 4
Bishop – Second Floor

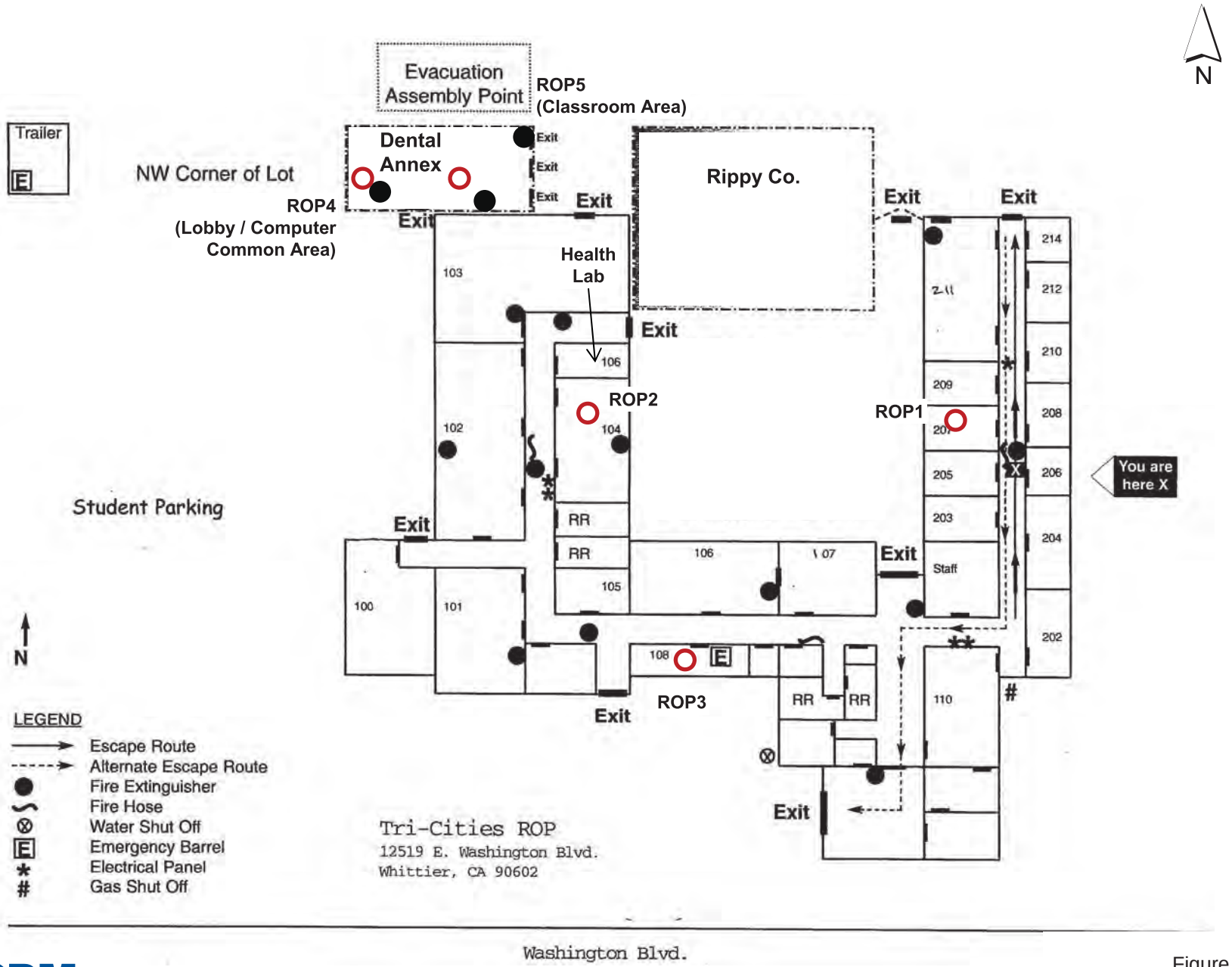
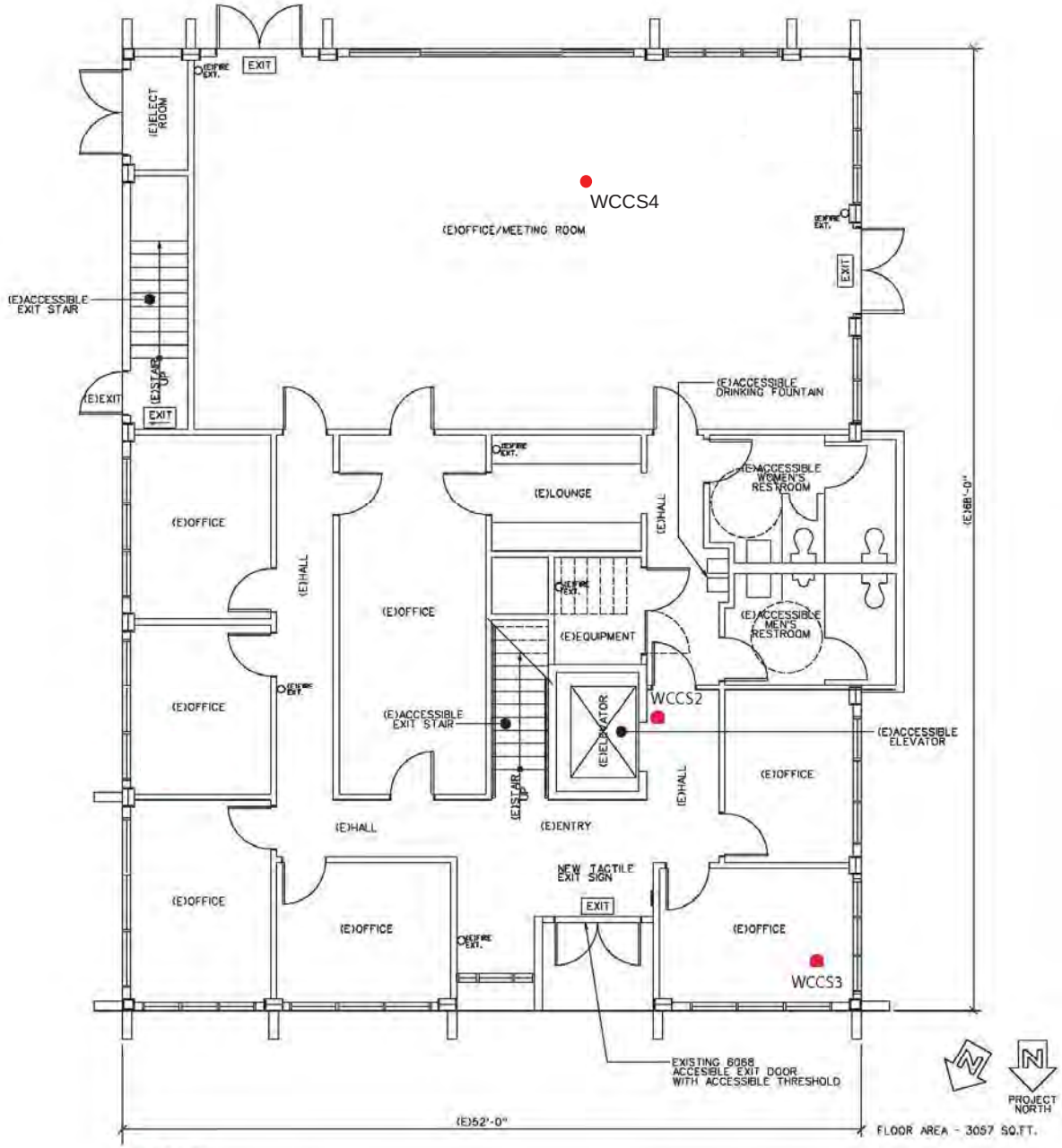


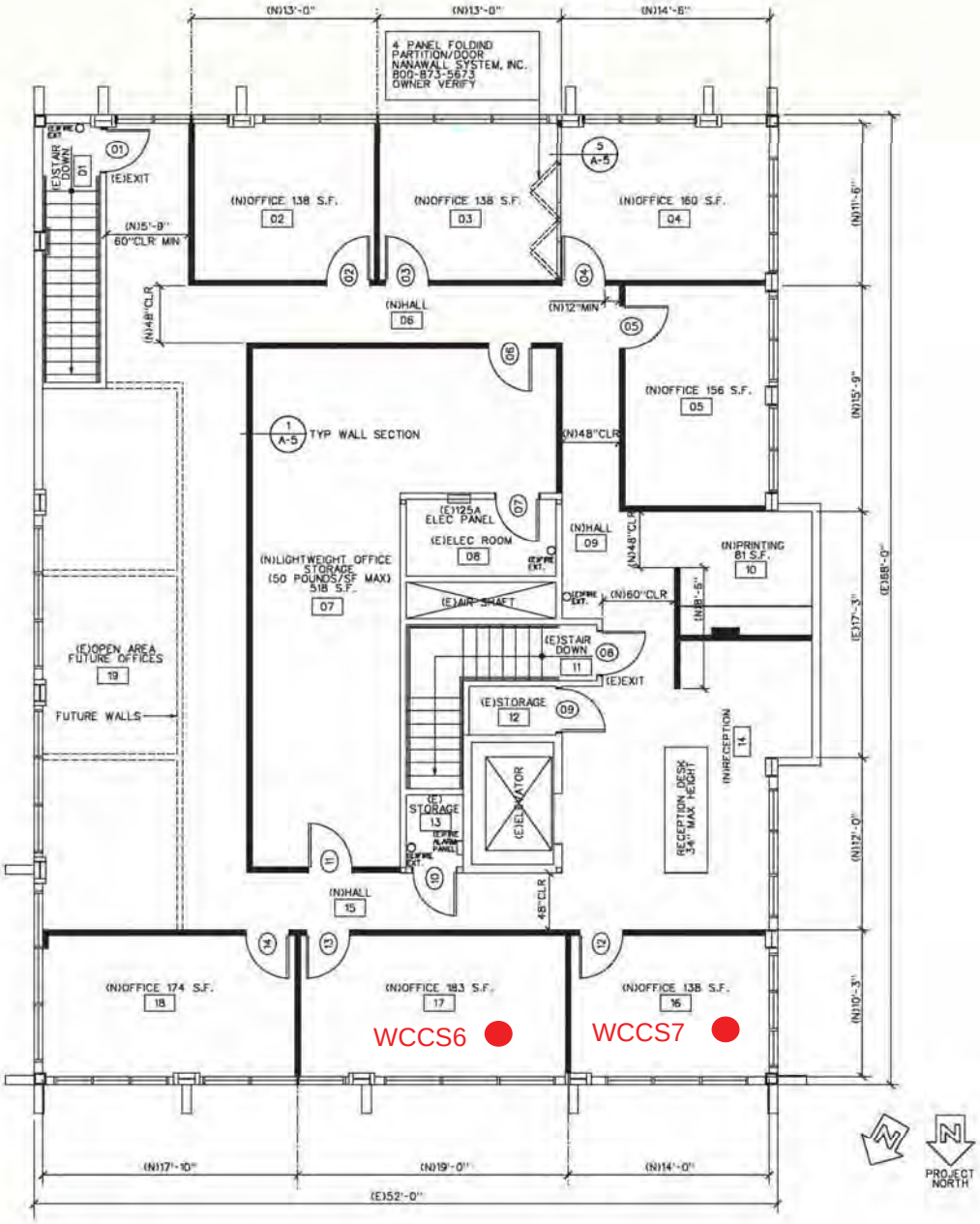
Figure 5
Regional Occupation Program



LEGEND

Sample Location

Figure 6
Women and Children's Crisis Shelter – First Floor



LEGEND

Sample Location

Figure 7
Women and Children's Crisis Shelter – Second Floor

Legend

- Omega Chemical Property
- Phase Ia Area

N

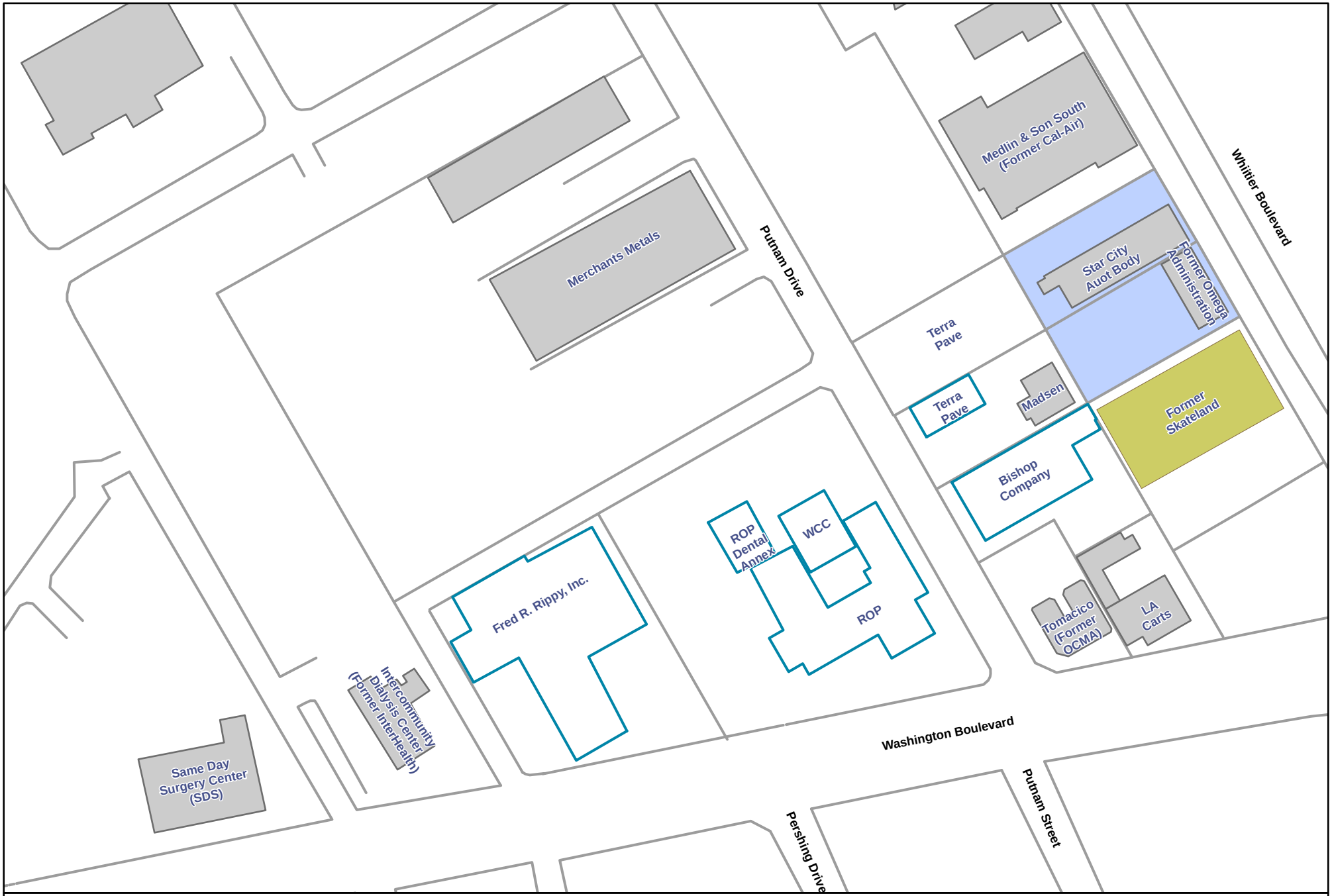
0 50 100 200
Feet

CDM Smith

Omega Chemical

Fred R. Rippy - Aerial View

Figure 8



Legend

- Former Omega Chemical Property
- Former Building
- Sampled Building
- Other Building

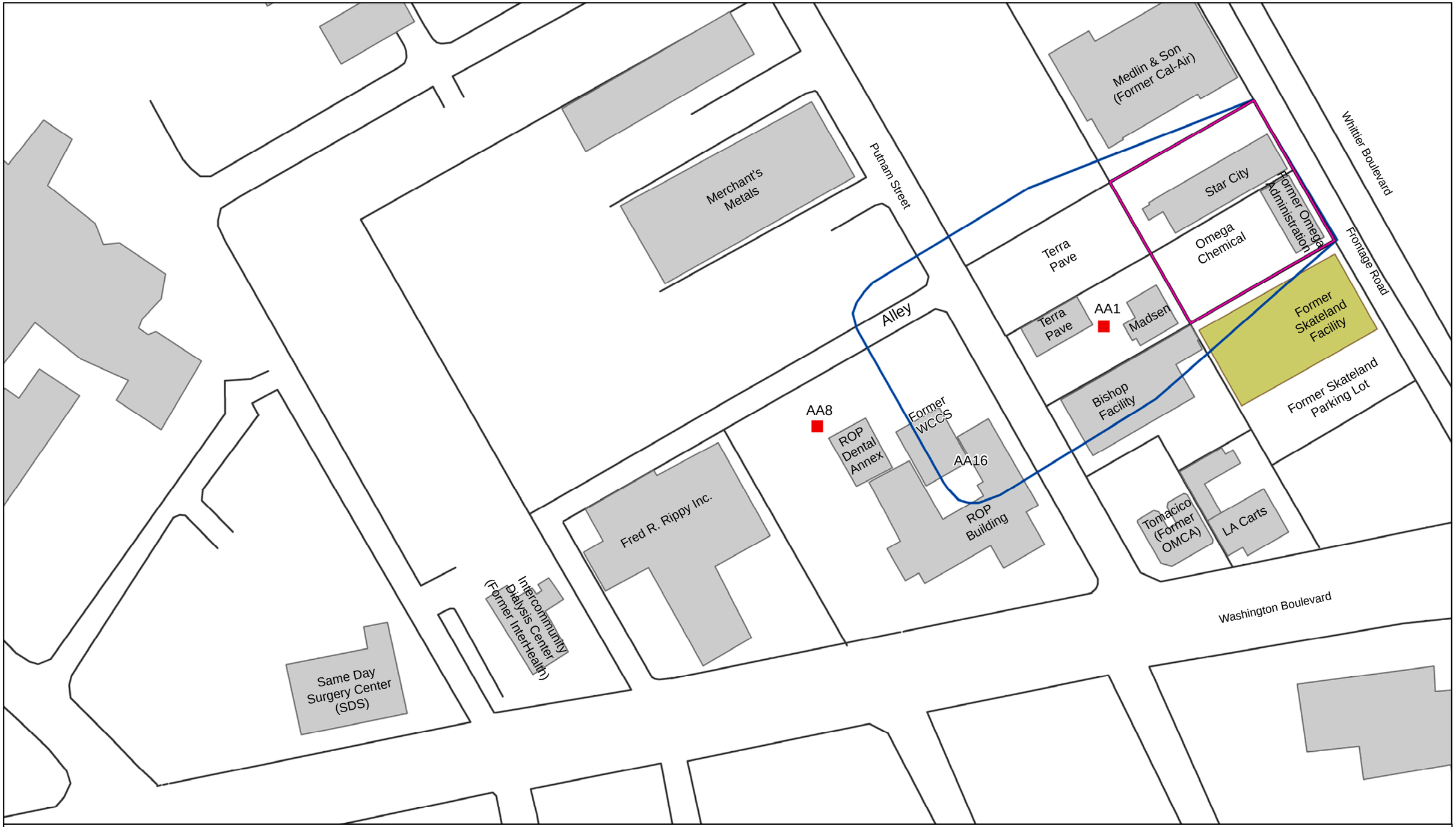
N

0 100 200
Feet

CDM Smith

Omega Chemical
Indoor Air Quality Sampling Locations
June 2012

Figure 9



Legend

- Former Omega Chemical Facility
- Phase Ia Area
- Former Building
- Other Buildings
- Ambient Air Sample Location

N

75 37.5 0 75
Feet
1 inch = 113 feet

CDM Smith

Omega Chemical
Ambient Air Sample Locations
June 2012

Figure 10

Attachment B - Tables

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Ambient																								
Between Star City and 3 Kings																								
	05/11/04	ORIG	1.3 U	1 U	1 U	1 U	0.37 U	0.75 U	1.2 U	0.86 U	0.91 U	6.5 U	1.1 U	1.7	1.4 U	2.4	0.24 U	4000 E	1.5 U	6	0.79 J	2.8	1.2	3.4 U
Between Star City and Medlin & Son																								
	05/11/04	ORIG	1.2	1.1	1.1	0.3 U	0.66	0.22 U	0.5	0.25 U	0.27 U	1.9 U	0.33 U	1.7	1.8	2.6	0.07 U	28	0.82	7.8	0.63	2	0.77	0.98 U
	09/14/05	ORIG	1.7	0.4	0.2 U	0.2 U	0.45	0.15 U	0.62	0.17 U	0.18 U	1.3 U	0.22 U	2	1.5	1.8	0.048 U	46	0.86	4.6	0.63	2	0.51	0.67 U
	03/03/09	ORIG	0.91	0.24	0.19 U	0.19 U	0.27	0.14 U	0.52	0.16 U	0.17 U	1.3	0.21 U	2.2	1.1	2.5	0.045 U	44	1.4	7.4	0.92	3.1	1.1	0.63 U
	03/31/10	ORIG	2.1	0.17 U	0.2	0.18 U	0.1	0.16	0.38	0.15 U	0.16 U	1.1 U	0.19 U	1.1	0.78	2.1	0.041 U	11	0.53	1.4	0.18	0.54	0.18	0.58 U
	10/07/10	ORIG	0.43	0.18 U	0.19 U	0.19 U	0.21	0.14 U	0.44	0.16 U	0.16 J	1.2 U	0.2 U	1.2	0.98	2.5	0.044 U	26	0.96	2.9	0.41	1.1	0.38	0.62 U
	03/30/11	ORIG	0.32	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.45	0.15 U	0.17	2.7	0.2 U	1.6	0.59	2.7	0.043 U	24	1.3	4.9	0.57	1.7	0.56 J	0.6 U
	09/27/11	ORIG	0.5	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.49	0.18 U	0.28	5.2	0.23 U	1.6	0.55	2.7	0.049 U	72	1.7	6.7	1.2	4.1	1.5	0.69 U
Bishop exterior fence																								
	09/08/06	ORIG	0.66	0.18 U	0.19 U	0.19 U	0.56	0.14 U	0.57	0.16 U	0.17 U	1.2 U	0.2 U	1.8	1.5	3	0.044 U	38	1	16	0.68	2	0.74	0.62 U
Exterior fence between Bishop and Skateland																								
	07/16/09	ORIG	0.79	0.2 U	0.2 U	0.2 U	0.27	0.15 U	0.59	0.17 U	0.18 U	1.3 U	0.5	1.4	0.69	2.4	0.047 U	26	1.7	7.2	1.3	2.6	0.85	0.66 U
	08/25/09	ORIG	1.3	0.38	0.19 U	0.19 U	0.57	0.14 U	0.51	0.8 U	0.26	1.2 U	1 U	1.8	1.3 U	2.3	0.045 U	55	2.1	9.4	0.83	2.4	0.95	0.63 U
	09/30/09	ORIG	1	0.28	0.21 U	0.21 U	0.35	0.15 U	0.62	0.18 U	0.19 U	1.3 U	0.23 U	1.5	1.5 J	2.7	0.049 U	12	0.82	5.8	0.31	0.72	0.26	0.69 U
	10/29/09	ORIG	0.8	0.58	0.21 U	0.21 U	0.2 J	0.15 U	0.51	0.18 U	0.19 U	1.3 U	0.23 U	1.5	3.7	2.3	0.049 U	11	1.4	6.5	0.52	1.5	0.5	0.69 U
	11/24/09	ORIG	1.3	0.29	0.21 U	0.21 U	0.45	0.15 U	0.45	0.18 U	0.22	1.3 U	0.23 U	1.6	1.2	2.5	0.049 U	20	1.7	8.6	1	2.9	1.1	0.69 U
	12/28/09	ORIG	1.3	0.18 U	0.19 U	0.19 U	0.56	0.14 U	0.47	0.16 U	0.17 U	1.2 U	0.21 U	1.7	1.2	2.5 J	0.044 U	28	0.76	2.4	0.39	1.2	0.39	0.62 U
	01/27/10	ORIG	0.46	0.2 U	0.21 U	0.21 U	0.18	0.15 U	0.56	0.18 U	0.19 U	24	0.23 U	1.6	0.67	2.5	0.049 U	10	0.74	5.3	0.36	0.96	0.28	0.69 U
	02/24/10	ORIG	0.55	0.17 U	0.18 U	0.18 U	0.29	0.13 U	0.54	0.15 U	0.16 U	1.2	0.19 U	1.6	0.92	2.7 J	0.041 U	14	1.2	7.8	0.52	1.7	0.55	0.58 U
	03/31/10	ORIG	0.45	0.18 U	0.18 U	0.18 U	0.3	0.15	0.42	0.15 U	0.16 U	1.1 U	0.19 J	1.2	0.84	2.2	0.042 U	6.7	0.45	1.1	0.17	0.4	0.14 U	0.59 U
	04/28/10	ORIG	4.8 U	3.8 U	3.9 U	3.9 U	1.4 U	2.9 U	4.5 U	3.3 U	3.5 U	25 U	4.3 U	4 U	5.5 U	3.5 U	0.92 U	42 U	5.7 U	30	3.1 U	6.2 U	3.1 U	13 U
	06/18/10	ORIG	0.24 U	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.22 U	1.4	0.62	2.4	0.046 U	23	0.39	4.6	0.16 U	0.31 U	0.16 U	0.64 U
	06/24/10	ORIG	0.3	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.22 U	1.7	0.64	2.7	0.046 U	26	0.64	5.1	0.17	0.35	0.16 U	0.64 U
	07/08/10	ORIG	0.27	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.41	0.16 U	0.17 U	2.1	0.21 U	1.4	0.6	2.7	0.045 U	22	0.62	2.8	0.16	0.35	0.17	0.63 U
Exterior fence between parking lots near Dental Annex																								
	05/27/10	ORIG	0.77	0.91	0.2 U	0.2 U	0.37 J	0.15 U	0.53	0.17 U	0.18 U	1.3 U	0.22 U	1.7	1.1	2.9	0.047 U	16	0.62	2.1	0.36	0.98	0.32	0.66 U
	07/01/10	ORIG	0.42	0.38	0.2 U	0.2 U	0.11	0.15	0.42	0.16 U	0.19	1.4	0.22 U	1.8	0.73	2.7	0.046 U	21	0.95	2.6	0.25	0.57	0.19	0.64 U
	07/28/10	ORIG	0.38	0.41	0.18 U	0.18 U	0.064 U	0.13 U	0.48	0.15 U	0.16 U	1.1	0.19 U	1.2	0.54	2	0.041 U	21	0.58	1.8	0.29	0.68	0.25	0.58 U
	08/27/10	ORIG	0.49	0.15 U	0.15 U	0.15 U	0.081	0.11 U	0.41	0.13 U	0.18	1	0.17 U	1.7 J	0.66	2.2	0.036 U	17	1.2	3.6	0.36	0.83	0.3	0.5 U
	10/07/10	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.21 U	1.7	0.66	2.6	0.045 U	14	0.62	1.8	0.22	0.57	0.2	0.63 U
	10/27/10	ORIG	0.66	0.18 U	0.19 U	0.19 U	0.13	0.14 U	0.32	0.16 U	0.17 U	17	0.2 U	1.2	0.9	2.5	0.044 U	12	0.44	9.1	0.39	0.63	0.18	0.62 U
	11/30/10	ORIG	0.29	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.46 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.73	2.4	0.049 U	12	0.97	2.2	0.35	0.99	0.3	0.69 U
	12/28/10	ORIG	0.49	0.21 U	0.21 U	0.21 U	0.078 U	0.22	0.5 J	0.18 U	0.24	1.4 U	0.24 U	1.6	0.62	2.8	0.05 U	27	1.1	9.3	0.51	1.3	0.32	0.71 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	01/26/11	ORIG	0.36	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.48 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.6	2.6	0.049 U	20	1	3.4	0.41	1.2	0.34	0.69 U
	02/28/11	ORIG	0.19 U	0.15 U	0.15 U	0.15 U	0.055 UJ	0.11 U	0.28	0.13 U	0.14 U	0.96 U	0.17 U	1.3	0.62	2.5	0.036 U	12	0.96	2.3	0.35	1	0.33	0.5 U
	03/30/11	ORIG	0.34	0.19 U	0.2 U	0.2 U	0.071 U	0.15	0.49	0.16 U	0.18	1.2	0.22 U	1.6	0.59	2.6	0.046 U	18	1.2	3.8	0.5	1.4	0.45 J	0.64 U
	04/29/11	ORIG	0.32	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.2 UJ	1.8	0.58	2.8	0.044 U	25	0.56	1.3	0.14 J	0.34	0.16	0.62 U
	05/31/11	ORIG	0.3	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.54 J	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.65	2.7	0.045 U	12	0.85	2.3	0.28	0.81	0.31 J	0.63 U
	06/29/11	ORIG	0.25 U	0.2 U	0.2 U	0.2 U	0.074 U	0.15 U	0.52	0.17 U	0.18 U	1.3 U	0.22 UJ	1.2	0.56	2.5	0.048 U	13	0.59	1.8	0.29	0.84	0.32	0.67 U
	07/27/11	ORIG	0.34	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.54	0.15 U	0.16 U	1.2 U	0.2 UJ	1.3 J	0.52	2.5	0.043 U	12	0.39	1	0.18	0.5	0.19	0.6 U
	08/31/11	ORIG	0.37	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.22 UJ	2	0.61	3.1	0.046 U	17	0.53	1.5	0.22	0.54	0.2	0.64 U
	09/27/11	ORIG	0.54	0.22 U	0.22 U	0.22 U	0.082 U	0.18 J	0.43	0.19 U	0.22	1.4 U	0.25 U	1.4	0.56	2.5	0.053 U	32 J	1.4	4.4 J	0.68 J	1.9 J	0.93 J	0.74 U
	09/27/11	DUP	0.48	0.17 U	0.17 U	0.17 U	0.063 U	0.38 J	0.51	0.14 U	0.25	3.4	0.19 U	1.4	0.6	2.4	0.04 U	47 J	1.3	8.1 J	1.6 J	4.4 J	1.4 J	0.57 U
	10/28/11	ORIG	0.44	0.15 U	0.16 U	0.16 U	0.057 U	0.16	0.44	0.13 U	0.26	1	0.17 U	1.4	0.65	2.7	0.037 U	36	2	6.6	0.96	3.5	1.3	0.52 U
	11/30/11	ORIG	0.58	0.18	0.19 U	0.19 U	0.068 U	0.17	0.47	0.16 U	0.25	1.4	0.2 UJ	1.3	0.57	2.4	0.044 U	38	1.9	6.4	0.97	3.1	1.1	0.62 U
	12/21/11	SPLIT	0.59	0.085	0.22 U	0.22 U	0.079 U	0.16 U	0.57 J	0.18 U	0.23 J	1.4 U	0.24 U	1.5	0.66	2.8	0.051 U	24 J	1.9 J	5.6 J	1.1	3.1 J	1.3	0.72 U
	12/21/11	ORIG	0.71	0.18 U	0.18 U	0.18 U	0.07	0.21	0.84 J	0.15 U	0.43 J	1.1 U	0.2 U	1.4	0.66	2.7	0.042 U	30 J	2.8 J	8 J	1.3	4.4 J	1.5	0.59 U
	01/31/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.52	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.57	2.5	0.043 U	7.2	0.66	1.8	0.26	0.85	0.3	0.61 U
	02/29/12	ORIG	1.3	0.2	0.19 U	0.19 U	0.23	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.68	2.5	0.044 U	10	1	2.7	0.44 J	1.3 J	0.46 J	0.62 U
	03/29/12	ORIG	0.82	0.18 U	0.19 U	0.19 U	0.3	0.14 U	0.66	0.16 U	0.17 U	1.2 UJ	0.2 U	1.5	0.58	2.4	0.044 U	9	0.67	2	0.28	0.89 J	0.3 J	0.62 U
	04/30/12	SPLIT	0.38	0.054 U	0.11 U	0.11 U	0.63	0.072	0.51	0.092 U	0.11	0.69 U	0.12 U	1.6	0.58	2.3 J	0.026 U	9 J	0.69	1.5	0.3	0.87	0.34	0.36 U
	04/30/12	ORIG	0.33	0.18 U	0.19 U	0.19 U	0.82	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.2 U	1.5	0.62	0.17 UJ	0.044 U	15 J	0.56	1.4	0.23	0.63	0.3	0.62 U
	05/30/12	SPLIT	0.34	0.064 U	0.13 U	0.13 U	0.047 U	0.073	0.55	0.11 U	0.11	0.83 U	0.14 U	1.3	0.67	2.6	0.03 U	7.4	0.55	1.7 J	0.29	0.81	0.34	0.43 U
	05/30/12	ORIG	0.26 U	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.43	0.18 U	0.19 U	1.3 U	0.23 U	1.1	0.52	2.2	0.049 U	8	0.38	0.72 J	0.16 U	0.33 U	0.16 U	0.69 U
	06/27/12	ORIG	0.29	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.37 J	0.16 U	0.17	1.2 U	0.21 U	1.1	0.54	2	0.045 U	12	0.81	2.6	0.44	1.3	0.49	0.63 U
Exterior fence between Terra Pave and Madsen Roofing																								
	07/23/08	ORIG	1.3	0.25	0.2 U	0.2 U	0.074 U	0.15 U	0.44	0.17 U	0.18 U	1.3 U	0.22 U	1.3	0.96	2.3	0.048 U	15	1	4.8	0.64	2	0.65	0.67 U
	03/03/09	ORIG	1.2	0.29	0.2 U	0.2 U	0.17	0.15 U	0.51	0.17 U	0.18 U	1.3 U	0.22 U	2.5	0.77	2.4	0.048 U	32	1.4	19	0.61	2	0.75	0.67 U
	07/16/09	ORIG	1.1	0.18 U	0.19 U	0.19 U	0.084	0.14 U	0.57	0.16 U	0.17 U	1.2 U	0.2 U	1.6	0.56	2.5	0.044 U	48	1.2	19	0.51	1.3	0.45	0.62 U
	08/25/09	ORIG	7.9	0.86	0.86 U	0.86 U	0.52	0.64 U	0.99 U	0.73 U	0.77 U	5.5 U	0.95 U	2.2	1.4	3	0.2 U	870 E	3.5	410	2.1	7.2	2.4	2.8 U
	09/30/09	ORIG	4.5	0.47	0.4 U	0.4 U	0.41	0.3 U	0.63	0.34 U	0.36 U	2.5 U	0.44 U	1.6	1.3 J	2.9	0.093 U	31	2.3	20	3.5	13	4.5	1.3 U
	10/29/09	ORIG	9.1	0.78	0.38 U	0.38 U	0.53 J	0.28 U	0.52	0.32 U	0.34 U	3.1	0.42 U	1.8	5	2.7	0.089 U	250 E	2.5	170	2.1	6.7	2.4	1.3 U
	11/24/09	ORIG	8.7	0.66	0.2 U	0.2 U	0.72	0.15 U	0.46	0.17 U	0.18 U	2.8	0.22 U	1.3	1.3	2.5	0.048 U	32	7.3	40	10	40	12	0.67 U
	12/28/09	ORIG	1.9	0.19 U	0.19 U	0.19 U	0.22	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	1.5	0.82	2.4	0.045 U	140 E	0.89	3.5	2.4	7.8	2	0.63 U
	01/27/10	ORIG	3	0.28	0.21 U	0.21 U	0.28	0.15 U	0.48	0.18 U	0.19 U	2.7	0.23 U	1.6	0.73	2.5	0.049 U	16	1.1	4.7	1	3.4	1.2	0.69 U
	02/24/10	ORIG	2.8	0.43	0.16 U	0.16 U	0.24	0.12 U	0.51	0.14 U	0.15 U	1.8	0.18 U	1.5	0.77	2.9 J	0.039 U	130 E	1.8	32	3.6	17	6.8	0.55 U
	03/31/10	ORIG	5.1	0.37	0.19 U	0.19 U	0.46	0.2	0.41	0.16 U	0.17 U	2.1	0.21 U	1.1	0.87	2.1	0.045 U	12	6.6	38	5.3	24	6.7	0.63 U
	04/28/10	ORIG	2.4	0.34	0.18 U	0.18 U	0.22 J	0.14 U	0.4	0.15 U	0.16 U	7.2	0.2 U	1.2	0.78 J	2.4	0.043 U	16	0.4	4.8	0.14 J	0.38	0.14 U	0.6 U
	05/27/10	ORIG	0.99	0.18 U	0.19 U	0.19 U	0.31	0.14 U	0.55	0.16 U	0.17 U	1.2 U	0.2 U	1.8	1.1	3.1	0.044 U	17	1.1	4.5	0.65	1.8	0.58	0.62 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	06/18/10	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.56	2.3	0.044 U	31	1	5.1	0.5	1.4	0.45	0.62 U
	06/24/10	ORIG	0.32	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.38	0.16 U	0.17 U	1.2 U	0.22 U	1.5	0.57	2.4	0.046 U	25	1.9	6.6	0.53	1.5	0.5	0.64 U
	07/01/10	ORIG	0.34	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.42	0.16 U	0.17 U	1.9	0.21 U	1.7	0.66	2.6	0.045 U	62	2.1	8.4	0.71	2	0.68	0.63 U
	07/08/10	ORIG	0.23	0.18 U	0.18 U	0.18 U	0.067 U	0.14 UJ	0.42	0.15 U	0.16 U	1.9	0.2 U	1.7	0.68	2.7	0.043 U	33	0.9	3	0.31	0.82	0.28	0.6 U
	07/28/10	ORIG	0.36	0.15 U	0.15 U	0.15 U	0.055 U	0.11 U	0.42	0.13 U	0.14 U	1.2	0.17 U	1.3	0.46	2	0.036 U	17	1.9	7.2	1	3.7	1.4	0.5 U
	08/27/10	ORIG	0.34	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.42	0.16 U	0.17 U	1.3	0.22 U	1.6 J	0.67	2.4	0.046 U	14	1.6	5.9	0.52	1.3	0.42	0.64 U
	10/27/10	ORIG	0.25 U	0.2 U	0.2 U	0.2 U	0.074 U	0.15 U	0.45	0.17 U	0.18 U	1.3 U	0.22 U	1.4	2.1	2.5	0.048 U	10	0.48	1.3	0.31	1.1	0.39	0.67 U
	11/30/10	ORIG	0.47	0.19 U	0.19 U	0.19 U	0.069 U	0.18	0.46 J	0.16 U	0.17 U	1.2 U	0.21 U	1	0.55	2.3	0.045 U	130 E	3.5	14	2.4	8.7	2.9	0.63 U
	12/28/10	ORIG	0.51	0.2 U	0.21 U	0.21 U	0.076 U	0.2	0.45 J	0.18 U	0.19 U	1.3 U	0.23 U	1.6	0.61	2.8	0.049 U	18	1.1	9.6	0.5	1.4	0.47	0.69 U
	01/26/11	ORIG	0.6	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.46 J	0.15 U	0.16 U	2.3	0.2 U	1.3	0.56	2.5	0.043 U	170 E	4.1	32	2.5	9.1	2.6	0.6 U
	02/28/11	ORIG	0.34	0.18 U	0.18 U	0.18 U	0.065 UJ	0.14	0.48	0.15 U	0.16 U	3.6	0.2 U	1.2	0.57	2.4	0.042 U	260 E	3.5	63	4.9	14	3.2	0.59 U
	04/29/11	ORIG	0.3	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.42	0.16 U	0.17 U	1.2	0.2 UJ	1.9	0.63	2.8	0.044 U	10	0.92	2.8	0.32	0.9	0.28	0.62 U
	05/31/11	ORIG	0.74	0.19 U	0.19 U	0.19 U	0.087	0.15 J	0.52 J	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.64	2.6	0.045 U	15	3.7	15	1.4	4.9	1.5 J	0.63 U
	06/29/11	ORIG	0.41	0.17 U	0.17 U	0.17 U	0.062 U	0.13 U	0.57	0.14 U	0.15 U	2.3	0.19 UJ	1.1	0.36	2.6	0.04 U	20	6.1	31	5.8	22	8	0.56 U
	07/27/11	ORIG	0.4	0.19 U	0.2 U	0.2 U	0.071 U	0.16	0.49	0.16 U	0.17 U	1.2 U	0.22 UJ	1.2 J	0.51	2.3	0.046 U	7.7	1.6	4.2	0.51	1.7	0.58	0.64 U
	08/31/11	ORIG	0.67	0.21 U	0.21 U	0.21 U	0.087	0.16 U	0.58	0.18 U	0.19 U	1.4 U	0.23 UJ	1.6	0.64	2.9	0.05 U	24	2.4	25	5.7	25	8.2	0.7 U
	10/28/11	ORIG	0.53	0.2 U	0.2 U	0.2 U	0.072 U	0.16	0.4	0.17 U	0.24	1.4	0.22 U	1.4	0.59	2.5	0.047 U	32	4.4	21	3.6	15	5.2	0.66 U
	11/30/11	ORIG	0.53	0.22 U	0.22 U	0.22 U	0.08 U	0.18	0.45	0.18 U	0.25	1.5	0.24 UJ	1.4	0.55	2.4	0.051 U	39	4	13	1.7	5.6	2	0.72 U
	12/21/11	ORIG	0.43 J	0.35 U	0.35 U	0.35 U	0.13 U	0.47	0.78	0.3 U	0.32 U	2.2 U	0.39 U	1.4	0.63	2.6	0.083 U	410 E	5	29	36	160	59	1.2 U
	01/31/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.07 U	0.14 U	0.5	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.56	2.3	0.045 U	7.9	2.6	16	2.2	9	2.7	0.63 U
	02/29/12	ORIG	0.31	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.52	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.67	2.6	0.044 U	20	2.2	18	4.2 J	18 J	6.2 J	0.62 U
	03/28/12	ORIG	0.22 U	0.18 U	0.18 U	0.18 U	0.065 U	0.13 U	0.78	0.15 U	0.19	1.1 UJ	0.2 U	1.3	0.62	2.3	0.042 U	8.5	3.4	32	5	20	6.2 J	0.59 U
	06/27/12	ORIG	0.42	0.18 U	0.18 U	0.18 U	0.067 U	0.23	0.42 J	0.16 U	0.18	1.2 J	0.2 U	1.1	0.5	2	0.043 U	20	1.9	52	10	36	11	0.61 U
Former 3 Kings rooftop, southwest corner																								
	09/27/11	ORIG	0.5	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.51	0.18 U	0.26	2	0.23 U	1.5	0.53	2.6	0.049 U	42	1.5	4.8	0.75	2.2	0.84	0.69 U
Former Merchants Metals parking lot																								
	05/11/04	ORIG	0.6	0.23	0.2 U	0.2 U	0.074 U	0.15 U	0.58	0.17 U	0.18 U	1.3 U	0.4	1.6	0.73	2.6	0.048 U	15	1	5.1	0.78	2.3	0.87	0.67 U
	12/21/11	ORIG	0.5	0.17 U	0.17 U	0.17 U	0.062	0.23	0.85	0.14 U	0.19	1.1 U	0.19	1.3	0.78	2.7	0.04 U	23	2.6	7.6	1.2	4.3	1.5	0.56 U
FRR parking lot by warehouse door and employee break area																								
	01/09/12	ORIG	1.1	0.21	0.22 U	0.22 U	0.41	0.16 U	0.55	0.18 U	0.21	1.4 U	0.24 U	1.4	0.86	2.5	0.051 U	29	2.4	11	1.4	3.8	1.3	0.72 U
JHA trailer rooftop, southeast corner																								
	09/27/11	SPLIT	0.59	0.15	0.27 U	0.27 U	0.099 U	0.2 U	0.54	0.23 U	0.31	1.7 U	0.3 U	1.3	0.72	3.2 J	0.064 U	38	1.8	6.9 J	0.82	2.6 J	1.5 J	0.9 U
	09/27/11	ORIG	0.52	0.21 U	0.21 U	0.21 U	0.078 U	0.18	0.45	0.18 U	0.26	1.6	0.24 U	1.5	0.54	2.5 J	0.05 U	38	1.5	4.6 J	0.69	1.9 J	0.75 J	0.71 U
Kaiser parking lot across from NW corner of Medlin South																								
	12/21/11	ORIG	0.34	0.19 U	0.19 U	0.19 U	0.069 U	0.19	0.78	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.6	2.7	0.045 U	18	1.7	4.6	0.81	2.6	0.91	0.63 U

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Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Medlin & Son roof intake																								
	05/11/04	ORIG	0.55	0.2 U	0.2 U	0.2 U	0.15	0.15 U	0.59	0.17 U	0.18 U	2.1	0.22 U	1.9	1.3	3.4	0.046 U	19	0.91	5.5	0.79	2.1	0.8	0.66 U
Northeast corner of ROP rooftop																								
	09/27/11	ORIG	2.1	0.2	0.2 U	0.2 U	0.4	0.17	0.48	0.17 U	0.3	1.9	0.22 U	1.6	0.73	2.4	0.048 U	32	1.8	5.3	0.86	2.8	1.2	0.67 U
	10/28/11	ORIG	1.7	0.2 U	0.2 U	0.2 U	0.27	0.17	0.51	0.17 U	0.25	1.7	0.22 U	1.5	0.79	2.7	0.047 U	30	2	6.3	0.97	3.4	1.2	0.66 U
	11/30/11	ORIG	1.9	0.22	0.19 U	0.19 U	0.24	0.17	0.46	0.16 U	0.25	1.4	0.21 UJ	1.3	0.8	2.3	0.045 U	36	1.8	6	0.89	2.8	1	0.63 U
	12/21/11	ORIG	0.9	0.18 U	0.19 U	0.19 U	0.1	0.24	0.88	0.16 U	0.17	1.2 U	0.21 U	1.4	0.68	2.9	0.044 U	17	2.5	7	1.2	3.7	1.3	0.62 U
	01/31/12	ORIG	0.72	0.19 U	0.19 U	0.19 U	0.11	0.14 U	0.56	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.75	2.7	0.045 U	6.6	0.75	1.8	0.27	0.9	0.34	0.63 U
Oncology Care Rooftop																								
	09/08/06	ORIG	0.32	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.53	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.74	2.7	0.045 U	38	1.2	4.4	0.87	2.9	1.1	0.63 U
Outside rear of Madsen Roofing building by AC intake																								
	07/23/08	ORIG	0.99	0.23 U	0.23 U	0.23 U	0.18	0.17 U	0.45	0.2 U	0.21 U	1.5 U	0.25 U	1.3	1.2	2.4	0.054 U	18	1.2	6.6	1.3	3.7	0.95	0.76 U
Rippy Parking Lot																								
	05/11/04	ORIG	0.86	0.48	0.2 U	0.2 U	0.16	0.15 U	0.5	0.17 U	0.18 U	1.3 U	0.22 U	1.7	1.1	2.7	0.048 U	19	1.3	6.7	1.4	5	1.9	0.67 U
	05/11/04	DUP	0.57	0.42	0.16 U	0.16 U	0.12	0.12 U	0.6	0.14 U	0.14 U	1 U	0.18 U	1.8	1.1	2.9	0.038 U	14	0.9	3.3	0.47	1.5	0.52	0.54 U
	09/14/05	ORIG	0.84	0.42	0.2 U	0.2 U	0.13	0.15 U	0.63	0.17 U	0.18 U	1.3 U	0.22 U	1.8	1.4	2	0.047 U	14	0.99	3.7	0.45	1.3	0.45	0.66 U
ROP rooftop, centered on roof on eastern side of building																								
	09/27/11	ORIG	1.7	0.2 U	0.2 U	0.2 U	0.31	0.18	0.51	0.17 U	0.33	2.1	0.22 U	1.6	0.73	2.6	0.048 U	39	1.8	5.5	0.87	2.8	1.3	0.67 U
Same Day Surgery Center parking lot																								
	05/30/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.47	0.16 U	0.17 U	1.2 U	0.2 U	1.2	0.5	2.2	0.044 U	9	0.79	2.1	0.39	1.2	0.46	0.62 U
Skateland - adjacent to front door																								
	08/04/04	ORIG	1.2	0.26	0.19 U	0.19 U	0.58	0.14 U	0.72	0.16 U	0.17 U	1.5	0.22	2.1	2.6	3.4 J	0.044 U	61	1.6	5.7	1	3.6	1.8	0.62 U
Skateland - adjacent to sewer manhole																								
	08/04/04	ORIG	1.7	0.22	0.2 U	0.2 U	0.89	0.15 U	0.61	0.17 U	0.18 U	1.8	0.22 U	2	1.8	3.5 J	0.048 U	34	1.7	5.3	0.85	2.2	0.9	0.67 U
Southeast corner of ROP rooftop																								
	09/27/11	ORIG	0.78	0.2 U	0.2 U	0.2 U	0.094	0.15 U	0.48	0.17 U	0.32	2.2	0.24	1.5	0.6	2.6	0.048 U	34	1.9	5.7	0.91	2.8	1.2	0.67 U
	10/28/11	ORIG	1.2	0.2 U	0.2 U	0.2 U	0.2	0.15 U	0.53	0.17 U	0.26	1.3 U	0.22 U	1.5	0.76	2.7	0.047 U	32	2.2	6.8	1.2	4.3	1.4	0.66 U
	11/30/11	ORIG	0.44	0.18 U	0.19 U	0.19 U	0.068 U	0.18	0.36	0.16 U	0.24	1.4	0.2 UJ	1.3	0.54	2.5	0.044 U	39	2	6.6	0.98	3.2	1.4	0.62 U
	12/21/11	ORIG	0.67	0.19 U	0.19 U	0.19 U	0.069 U	0.22	0.76	0.16 U	0.17	1.2 U	0.21 U	1.4	0.72	2.8	0.045 U	18	2.6	7.3	1.1	3.8	1.3	0.63 U
	01/31/12	ORIG	0.62	0.18 U	0.19 U	0.19 U	0.096	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.72	2.5	0.044 U	9	0.79	3.7	0.37	1.1	0.39	0.62 U
Southwest corner of ROP rooftop																								
	07/27/11	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.5 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	0.5	2.4	0.044 U	11	0.39	1.2	0.2	0.61	0.23	0.62 U
Star City rooftop, southwest corner																								
	09/27/11	ORIG	0.56	0.21 U	0.21 U	0.21 U	0.078 U	0.17	0.5	0.21	0.27	2.8	0.24 U	1.5	0.57	2.6	0.05 U	69	1.5	8.2	1.6	5.7	2	0.71 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Terra Pave rooftop, along south edge, centered																								
	09/27/11	ORIG	0.71	0.2 U	0.21 U	0.21 U	0.076 U	0.15 U	0.51	0.18 U	0.36	2	0.23 U	1.6	0.62	2.6	0.049 U	40	1.8	5.4	0.82	2.3	0.92	0.69 U
Tree lawn across from driveway to former Skateland																								
	12/21/11	ORIG	0.3	0.16 U	0.16 U	0.16 U	0.059 U	0.19	0.75	0.14 U	0.15 U	1 U	0.18 U	1.4	0.59	2.7	0.038 U	14	1.4	4	0.62	2	0.73	0.54 U
Tree lawn across from driveway to Star City																								
	12/21/11	ORIG	0.32	0.19 U	0.19 U	0.19 U	0.069 U	0.2	0.72	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.57	2.7	0.045 U	20	1.6	4.7	0.91	3.2	1.2	0.63 U
Tree lawn across from former 3 Kings building																								
	12/21/11	ORIG	0.36	0.18 U	0.19 U	0.19 U	0.068 U	0.2	0.85	0.16 U	0.17 U	1.2 U	0.21 U	1.4	0.8	2.7	0.044 U	16	1.5	4.2	0.7	2.2	0.78	0.62 U
	12/21/11	DUP	0.3	0.15 U	0.15 U	0.15 U	0.055 U	0.17	0.75	0.13 U	0.14 U	0.96 U	0.17 U	1.3	0.73	2.6	0.036 U	15	1.3	3.7	0.58	1.9	0.68	0.5 U
WCCS rooftop, north central side of building																								
	10/28/11	ORIG	1.3	0.2 U	0.21 U	0.21 U	0.19	0.16	0.51	0.18 U	0.23	1.3 U	0.23 U	1.4	0.79	2.5	0.049 U	28	1.3	4.3	0.66	2.3	0.84	0.69 U
	11/30/11	ORIG	2.2	0.27	0.18 U	0.18 U	0.27	0.17	0.5	0.15 U	0.95	1.4	0.19 UJ	1.4	1.2	2.1	0.041 U	43	2	5.9	0.9	2.9	1	0.58 U
	12/21/11	ORIG	1.3	0.19 U	0.19 U	0.19 U	0.12	0.24	0.69	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.62	2.6	0.046 U	15	2.5	7.4	1.1	4	1.4	0.64 U
	01/31/12	ORIG	2.1	0.19 U	0.19 U	0.19 U	0.3	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.84	2.4	0.045 U	10	0.98	3	0.44	1.6	0.55	0.63 U
	03/28/12	ORIG	0.32	0.18 U	0.18 U	0.18 U	0.087	0.14 U	0.75	0.15 U	0.16 U	1.2 UJ	0.2 U	1.2	0.56	2.3	0.043 U	7.3	1.1	3.2	0.51	1.8	0.62 J	0.6 U
	04/30/12	ORIG	0.24 U	0.19 U	0.2 U	0.2 U	0.25	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.22 U	1.3	0.7	0.18 U	0.046 U	12	0.52	1.2	0.18	0.51	0.26	0.64 U
WCCS rooftop, southern side of building near intake vent																								
	09/27/11	ORIG	4.8	0.36	0.19 U	0.19 U	2.5	0.14	0.49	0.16 U	0.3	2	0.2 U	2.8	1.1	2.6	0.044 U	35	1.5	4.6	0.92	3.6	2	0.62 U
	10/28/11	ORIG	2.6	0.22	0.21 U	0.21 U	0.49	0.16	0.53	0.18 U	0.26	1.3 U	0.23 U	1.5	0.76	2.4	0.049 U	28	1.3	4.2	0.66	2.1	0.79	0.69 U
	11/30/11	ORIG	2.9	0.29	0.19 U	0.19 U	0.4	0.18	0.47	0.16 U	0.28	1.6	0.21 UJ	1.5	0.88	2.5	0.045 U	38	2.1	6.8	1	3.4	1.4	0.63 U
	12/21/11	ORIG	1.1	0.19 U	0.19 U	0.19 U	0.1	0.23	0.73	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.64	2.7	0.045 U	16	2.6	7.6	1.2	3.9	1.4	0.63 U
	01/31/12	ORIG	1.6	0.19 U	0.19 U	0.19 U	0.23	0.14 U	0.52	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.81	2.5	0.045 U	10	0.97	3	0.43	1.6	0.54	0.63 U
	03/28/12	ORIG	0.71	0.18 U	0.18 U	0.18 U	0.098	0.14 U	0.66	0.15 U	0.16 U	1.2 UJ	0.2 U	1.3	0.55	2.4	0.043 U	10	1.1	3.2	0.51	1.7	0.71 J	0.6 U
	04/30/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.18	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.59	0.17 U	0.045 U	15	0.54	1.2	0.2	0.56	0.21	0.63 U
	05/30/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.43	0.15 U	0.16 U	1.2 U	0.2 U	1.1	0.5	2.2	0.043 U	8	0.41	1.2	0.22	0.62	0.24	0.6 U
3 Kings Construction																								
Interior office area																								
	05/11/04	ORIG	3.2	0.92	0.22	0.19 U	2.7	0.14 U	0.58	0.16 U	0.25	2.1	0.2 U	3	4.1	2.6	0.044 U	28	6	40	4.4	20	5.6	0.62 U
	09/14/05	ORIG	7.6	2.2	0.2 U	0.2 U	4.9	0.15 U	0.57	0.17 U	0.18 U	49	0.22 U	3.8	4.2	1.4	0.048 U	24	2.8	36	3.2	14	2.9	0.67 U
Storage and work area																								
	05/11/04	ORIG	1	0.25	0.21	0.18 U	0.7	0.13 U	0.59	0.15 U	0.16 U	1.8	0.2 U	2	1.6	2.7	0.043 U	37	5.1	34	3.8	18	5	0.6 U
	09/14/05	ORIG	13	3.3	0.51 U	0.51 U	9.2	0.38 U	0.65	0.43 U	0.46 U	260	0.56 U	5.9	6.8	3.1	0.12 U	50	11	170	16	82	17	1.7 U
Bishop																								
Admin Office																								
	09/08/06	ORIG	9.3	0.5	0.34 U	0.34 U	5.3	0.25 U	0.57	0.28 U	0.3 U	2.2 U	0.37 U	2.3	3.9	3.1	0.079 U	64	1.2	6.5	0.72	2.4	0.93	1.1 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	09/08/06	DUP	11	0.56	0.16 U	0.16 U	5.8	0.12 U	0.58	0.14 U	0.15	1 J	0.32	2.4	4	2.9	0.038 U	18	1.1	7.7	0.9	3	1.1	0.54 U
	03/03/09	ORIG	110	4.5	0.17 U	0.17 U	44	0.12 U	0.51	0.14 U	0.16	1.1 U	0.19 U	9.1	35	2.3	0.04 U	13	1	4.7	0.61	2	0.75	0.56 U
	03/03/09	EPA	149.2	5.9 J	10.4 U	10.4 U	51.5	7.7 U	12 U	8.7 U	9.3 U	6.6 U	11.4 U	10.1 J	39.9	9.4 U	4.9 U	--	6.1 U	4.1 J	8.3 U	16.9 U	8.3 U	--
	03/03/09	DUP	110	4.6	0.18 U	0.18 U	44	0.13 U	0.54	0.15 U	0.16 J	1.1 U	0.2 U	9.5	36	2.4	0.042 U	14	1	4.7	0.61	2	0.76	0.59 U
	07/16/09	ORIG	14	0.71	0.19 U	0.19 U	2.9	0.14 U	0.58	0.16 U	0.18	1.2 U	0.2 U	2	1.8	2.4	0.044 U	24 J	1	4.2	0.47	1.2	0.43	0.62 U
	07/16/09	DUP	14	0.74	0.18 U	0.18 U	3	0.14 U	0.58	0.15 U	0.18	1.2 U	0.2 U	2	1.7	2.4	0.043 U	37 J	1.1	4.5	0.48	1.2	0.44	0.6 U
	08/25/09	ORIG	3.8	0.59	0.18 U	0.18 U	0.58 J	0.13 J	0.52	0.15 U	0.31	1.4	0.2 U	1.8	0.97	2.6	0.042 U	40 J	2.4	8.7	0.79	2.1 J	0.69 J	0.59 U
	08/25/09	DUP	3.5	0.68	0.19 U	0.19 U	0.74 J	0.17	0.79	0.79 U	0.33	1.6	1 U	1.8	1.3 U	2.3	0.044 U	28 J	2.4	7.8	0.93	2.6 J	1 J	0.62 U
	09/30/09	ORIG	6.5	0.58	0.18 U	0.18 U	1.3	0.13 U	0.58	0.15 U	0.16 U	5.9	0.2 U	1.6	1.7 J	2.6	0.042 U	21 J	0.83	3.8	0.41	0.9	0.32	0.59 U
	09/30/09	DUP	6.3	0.59	0.2 U	0.2 U	1.2	0.14 U	0.62	0.16 U	0.17 U	6.1	0.22 U	1.6	1.8 J	2.9	0.046 U	16 J	0.85	4.2	0.39	0.85	0.3	0.64 U
	10/29/09	ORIG	55	2.4	0.18 U	0.18 U	8 J	0.14 U	0.53	0.15 U	0.18	1.2 U	0.2 U	2.4	9.5	2.4	0.043 U	13	1.8	7	0.72	2.1	0.7	0.6 U
	10/29/09	DUP	55	2.4	0.18 U	0.18 U	8.4 J	0.14 U	0.49	0.15 U	0.18	1.2 U	0.2 U	2.5	9.8	2.4	0.043 U	14	1.8	7.2	0.72	2.2	0.73	0.6 U
	11/24/09	ORIG	140	5.6	0.25 U	0.25 U	26	0.18 U	0.47	0.21 U	0.36	3.4	0.27 U	5.4	15	2.6	0.058 U	25	2.5	36 J	2.4 J	5.4 J	2 J	0.81 U
	11/24/09	DUP	160	5.9	0.26 U	0.26 U	28	0.19 U	0.49	0.22 U	0.34	1.7 U	0.29 U	4.6	15	2.5	0.061 U	25	2.4	9.7 J	1.5 J	4.4 J	1.5 J	0.86 U
	12/28/09	ORIG	210	8.2	0.22 U	0.22 U	61	0.16 U	0.46	0.19 U	0.24	1.4 U	0.25 U	13	40	2.5	0.052 U	18 J	0.97	4.2	0.6	1.8	0.61	0.74 U
	12/28/09	DUP	220	8.4	0.24 U	0.24 U	61	0.18 U	0.46	0.21 U	0.24	1.6 U	0.27 U	13	40	2.5	0.057 U	28 J	0.95	4.5	0.7	2.1	0.76	0.81 U
	01/27/10	ORIG	220	8.1	0.4 U	0.4 U	60	0.3 U	0.5	0.34 U	0.36 U	2.5 U	0.44 U	14	44	2.4	0.094 U	14	1	3.4	0.51	1.3	0.47	1.3 U
	01/27/10	DUP	210	7.8	0.21 U	0.21 U	57	0.16 U	0.48	0.18 U	0.24	2.1	0.24 U	13	41	2.6	0.05 U	18	1	3.5	0.5	1.3	0.45	0.71 U
	02/24/10	ORIG	60	2.5	0.18 U	0.18 U	21	0.14 U	0.51	0.15 U	0.16 U	3.2	0.2 U	4.8	15	3.2 J	0.043 U	18 J	1.3	4.1 J	0.66	2	0.7	0.6 U
	02/24/10	DUP	60	2.5	0.17 U	0.17 U	22	0.12 U	0.54	0.14 U	0.16	3.4	0.19 U	5.1	16	3.2 J	0.04 U	13 J	1.4	5.3 J	0.67	2.1	0.69	0.56 U
	03/31/10	ORIG	94	3.6	0.18 U	0.18 U	28	0.13 U	0.39	0.15 U	0.16 U	1.1 U	0.2 U	5.2	21	2.1	0.042 U	12	0.47	1.2	0.18	0.44	0.16	0.59 U
	03/31/10	DUP	96	3.7	0.2 U	0.2 U	27	0.14 U	0.4	0.16 U	0.17 U	1.2 U	0.22 U	5.5	22	2.2	0.046 U	13	0.48	1.2	0.17	0.44	0.16	0.64 U
	04/28/10	ORIG	28	1.4	0.21 U	0.21 U	6.3 J	0.16 U	0.42	0.18 U	0.19 U	1.8 J	0.24 U	2.3	5.8 J	2.4	0.05 U	8.8	0.37	1.4 J	0.17 U	0.34 U	0.17 U	0.71 U
	04/28/10	DUP	28	1.4	0.2 U	0.2 U	6.6 J	0.2	0.43	0.17 U	0.18 U	2.4 J	0.22 U	2.4	5.8 J	2.5	0.048 U	9.9	0.41	16 J	0.27	0.38	0.16 U	0.67 U
	05/27/10	ORIG	84	3.2	0.2 U	0.2 U	28	0.14 U	0.53	0.16 U	0.18	1.2 U	0.22 U	4.6	15	2.8	0.046 U	22	0.64	2.5	0.32	0.75	0.26	0.64 U
	06/18/10	ORIG	1.1	0.17 U	0.18 U	0.18 U	0.065	0.13 U	0.37	0.15 U	0.16 U	1.1 U	0.19 U	1.2	0.55	2.2	0.041 U	27 J	0.44	2.2	0.2	0.44	0.22	0.58 U
	06/18/10	DUP	1.1	0.17 U	0.18 U	0.18 U	0.086	0.13 U	0.39	0.15 U	0.16 U	1.1 U	0.19 U	1.4	0.63	2.4	0.041 U	19 J	0.43	2.2	0.18	0.4	0.15	0.58 U
	06/24/10	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.32	0.15 U	0.16 U	1.2 U	0.2 U	1.6	0.63	2.7	0.043 U	22 J	0.69	3.4	0.22	0.42	0.14 U	0.6 U
	06/24/10	DUP	0.77	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.43	0.15 U	0.16 U	1.2 U	0.2 U	1.5	0.59	2.5	0.043 U	34 J	0.65	3.2	0.21	0.42	0.15	0.6 U
	07/01/10	ORIG	0.83	0.17 U	0.18 U	0.18 U	0.072	0.13 U	0.4	0.15 U	0.17	1.5	0.19 U	1.7	0.63	2.6	0.041 U	44	0.93	4.3	0.3	0.67	0.3	0.58 U
	07/08/10	ORIG	0.4	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.4	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.72	2.5	0.045 U	20 J	0.6	1.7	0.17	0.38	0.19	0.63 U
	07/08/10	DUP	0.41	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.4	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.69	2.5	0.045 U	32 J	0.58	1.7	0.16	0.34	0.16	0.63 U
	07/28/10	ORIG	0.61	0.17 U	0.17 U	0.17 U	0.063 U	0.13 U	0.42	0.14 U	0.15 U	1.1 U	0.19 U	1.2	0.46	2.1	0.04 U	28	0.82	2.6	0.34	0.87	0.34	0.57 U
	08/27/10	ORIG	0.5	0.16 U	0.16 U	0.16 U	0.068	0.12 U	0.42	0.13 U	0.18	1.6	0.18 U	1.6 J	0.71	2.4	0.037 U	18	0.95	3.3	0.37	0.9	0.29	0.53 U
	09/29/10	ORIG	0.68	0.16 U	0.16 U	0.16 U	0.38 J	0.14	0.44	0.14 U	0.19	1.4	0.18 U	2.1	1	2.8	0.039 U	32	1.5	4.7	0.65	1.6	0.64	0.55 U
	09/29/10	DUP	0.71	0.18 U	0.18 U	0.18 U	0.17 J	0.14 U	0.53	0.15 U	0.18	1.4	0.2 U	1.9	0.82	2.7	0.043 U	30	1.5	4.6	0.67	1.8	0.65	0.6 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	10/27/10	ORIG	1.3	0.15 U	0.15 U	0.15 U	0.59	0.11 U	0.46	0.12 U	0.3	1.5	0.16 U	2.3	3.6	2.9	0.035 U	24	5.5	15	2.1	7.3	2.2	0.49 U
	11/30/10	ORIG	0.75	0.18 U	0.18 U	0.18 U	0.11	0.18	0.44 J	0.15 U	0.16 U	1.1 U	0.2 U	1.3	0.57	2.4	0.042 U	14	2.1	5.8	1	3.4	1.1	0.59 U
	12/28/10	ORIG	1.2	0.14 U	0.15 U	0.15 U	0.21	0.18	0.82 J	0.12 U	0.18	1	0.16 U	1.5	0.73	2.7	0.034 U	18	4.5	13	1.6	5.4	1.6	0.48 U
	01/26/11	ORIG	1.2	0.18 U	0.19 U	0.19 U	0.1	0.14 U	0.49 J	0.16 U	0.19	2.8	0.2 U	1.7	0.75	2.7	0.044 U	33	2.4	7.1	0.97	2.9	0.86	0.62 U
	02/28/11	ORIG	0.64	0.19 U	0.2 U	0.2 U	0.12 J	0.14	0.4	0.16 U	0.17 U	1.2 U	0.22 U	1.5	0.62	2.4	0.046 U	12	1.3	3.2	0.51	1.6	0.55	0.64 U
	03/30/11	ORIG	0.79	0.18 U	0.19 U	0.19 U	0.14 J	0.16	0.46	0.16 U	0.7	1.6	0.26	1.4	0.59	2.4	0.044 U	22	1.4	5.6	0.71	2.1	0.85	0.62 U
	03/30/11	DUP	0.81	0.18 U	0.19 U	0.19 U	0.14 J	0.17	0.47	0.16 U	0.74	1.6	0.2 U	1.4	0.6	2.5	0.044 U	21	1.4	5.8	0.69	2.1	0.73	0.62 U
	04/29/11	ORIG	0.26	0.17 U	0.17 U	0.17 U	0.061 U	0.16	0.5 J	0.14 U	1.7	3	0.19 J	2 J	1.1	3	0.04 U	18	0.62	2	0.27	0.66	0.26	0.56 U
	05/31/11	ORIG	0.92	0.2 U	0.2 U	0.2 U	0.12	0.15 UJ	0.55 J	0.17 U	0.22	1.3 U	0.22 U	1.2	1	2.6	0.047 U	16	1.2	4.2	0.56	1.7	0.61 J	0.66 U
	05/31/11	DUP	0.92	0.18 U	0.18 U	0.18 U	0.12	0.14 J	0.55 J	0.15 U	0.23	1.1 U	0.2 U	1.1	1	2.6	0.042 U	18	1.3	4.8	0.58	1.8	0.63 J	0.59 U
	06/29/11	ORIG	0.69	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	1	2.5	0.043 U	21	0.7	2.5	0.4	1.2	0.54	0.61 U
	06/29/11	DUP	0.67	0.18 U	0.18 U	0.18 U	0.067 U	0.14	0.52	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	1	2.5	0.043 U	18	0.63	0.13 U	0.4	1.2	0.54	0.6 U
	07/27/11	ORIG	0.34	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.53 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.2	1.5	2.4	0.044 U	12	0.39	1.4 J	0.22	0.66	0.25	0.62 U
	07/27/11	DUP	0.29	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.53 J	0.16 U	0.17 U	1.2 U	0.2 UJ	1.3	1.6	2.6	0.044 U	12	0.36	0.8 J	0.15 U	0.3 U	0.15 U	0.62 U
	08/31/11	ORIG	0.57	0.17 U	0.18 U	0.18 U	0.064 U	0.16	0.63	0.15 U	0.16 U	1.1 U	0.19 UJ	1.9	1.4	3	0.041 U	19	0.6	2.5	0.3	0.83	0.31	0.58 U
	08/31/11	DUP	0.56	0.17 U	0.17 U	0.17 U	0.061 U	0.14	0.63	0.14 U	0.15 U	1.5	0.19 UJ	1.9	1.4	2.9	0.04 U	20	0.61	2.5	0.3	0.84	0.33	0.56 U
	09/27/11	ORIG	0.76	0.18 U	0.19 U	0.19 U	0.069	0.17 J	0.5	0.16 U	0.34	2	0.2 U	1.5	0.59	2.6	0.044 U	36	1.8	6	1	3.1	1.3	0.62 U
	09/27/11	DUP	0.73	0.19 U	0.19 U	0.19 U	0.069 U	0.44 J	0.49	0.16 U	0.34	2	0.21 U	1.5	0.6	2.6	0.045 U	36	1.9	6.3	1.1	3.2	1.4	0.63 U
	12/21/11	ORIG	0.49	0.18 U	0.18 U	0.18 U	0.067 U	0.24	0.9	0.16 U	0.2	1.2 U	0.2 U	1.4	0.84	2.8	0.043 U	19	2.7	7.7	1.2	4	1.4	0.61 U
	12/21/11	DUP	0.47	0.18 U	0.18 U	0.18 U	0.067 U	0.24	0.8	0.16 U	0.19	1.2 U	0.2 U	1.4	0.83	2.9	0.043 U	20	2.7	7.9	1.2	4.2	1.4	0.61 U
	03/28/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.57	0.16 U	0.17 U	1.2 UJ	0.21 U	1.2	0.59	2.3	0.045 U	12	0.94	3	0.47	1.5	0.53 J	0.63 U
	03/28/12	DUP	0.37	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.72	0.16 U	0.17 U	1.2 UJ	0.21 U	1.2	0.54	2.3	0.045 U	13	0.89	3.1	0.47	1.5	0.67 J	0.63 U
	06/27/12	ORIG	0.26	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.37 J	0.16 U	0.2	1.2 U	0.2 U	1.1	3.9	2	0.043 U	16	0.85	4	0.64	1.7	0.62	0.61 U
	06/27/12	DUP	0.27	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.35 J	0.16 U	0.2	1.2 U	0.21 U	1.1	3.8	2	0.044 U	18	0.85	3.9	0.62	1.5	0.56	0.62 U
Interior Store																								
	09/08/06	ORIG	29	1.5	0.19	0.18 U	14	0.13 U	0.51	0.15 U	0.18	1.7	0.21	3.7	10	2.7	0.041 U	28	1.2	8.4	1.7	4.9	1.7	0.67
	03/03/09	ORIG	72	3.9	0.2 U	0.2 U	31	0.15 U	0.52	0.17 U	0.24	1.8	0.22 U	7.2	21	2.4	0.047 U	24	1.8	9.8	2.4	6.6	2.2	0.69
	07/16/09	ORIG	16	0.89	0.18 U	0.18 U	3.9	0.13 U	0.58	0.15 U	0.22	1.5	0.2 U	2.2	2.5	2.5	0.042 U	26	1.5	7.8	1	3	0.83	0.59 U
	08/25/09	ORIG	17	1.3	0.28 U	0.28 U	4	0.21 U	0.49	1.2 U	0.33	2.4	1.6 U	2.2	2.9	2.4	0.066 U	71	2.6	8.8	1.6	4.3	1.7	0.93 U
	09/30/09	ORIG	36	2	0.19 U	0.19 U	7.8	0.14 U	0.61	0.16 U	0.21	7.9	0.21 U	2.3	5.9 J	2.7	0.045 U	32	1.1	5.8	0.85	2.3	0.7	0.63 U
	10/29/09	ORIG	82	3.9	0.18 U	0.18 U	14 J	0.14 U	0.51	0.15 U	0.27	2	0.2 U	3.6	15	2.3	0.043 U	26	2.5	9.7	1.4	4.3	1.3	0.6 U
	11/24/09	ORIG	130	6.6	0.23	0.2 U	34	0.15 U	0.49	0.17 U	0.44	2.8	0.23	7	22	2.7	0.047 U	35	3.3	19	2.6	8.1	2.6	0.66 U
	12/28/09	ORIG	180	9.7	0.36	0.24 U	69	0.18 U	0.44	0.2 U	0.46	1.6	0.26 U	15	44	2.6	0.056 U	40	1.5	7.4	1.6	4.6	1.5	0.79 U
	01/27/10	ORIG	100	5.4	0.23	0.2 U	34	0.14 U	0.48	0.16 U	0.41	3.1	0.22 U	7.6 J	19	2.5	0.046 U	30	1.7	10	1.5	4.2	1.3	0.64 U
	02/24/10	ORIG	40	2.1	0.2 U	0.2 U	14	0.14 U	0.53	0.16 U	0.19	5	0.22 U	3.5	8.9	2.6 J	0.046 U	16	1.5	5.4	0.86	2.8	0.91	0.64 U
	03/31/10	ORIG	16 J	0.95 J	0.15 UJ	0.15 UJ	6.1 J	0.13 J	0.44 J	0.12 UJ	0.13 UJ	1.1 J	0.16 UJ	2.1 J	4.4 J	2.2 J	0.034 UJ	14 J	0.65 J	7.3 J	0.41 J	0.97 J	0.3 J	0.48 UJ

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	04/28/10	ORIG	23	1.4	0.19 U	0.19 U	6.9 J	0.14 U	0.41	0.16 U	0.17 U	3.4	0.2 U	2.2	4.8 J	2.4	0.044 U	19	0.47	1.6	0.37	0.8	0.22	0.62 U
	05/27/10	ORIG	26	1.3	0.18 U	0.18 U	8.5 J	0.13 U	0.53	0.15 U	0.2	1.4	0.19 U	2.7	5.2	2.8	0.041 U	18	0.72	3.8	0.63	1.5	0.46	0.58 U
	06/18/10	ORIG	1.8	0.17 U	0.17 U	0.17 U	0.24	0.12	0.38	0.14 U	0.16	1.1 U	0.19 U	1.4	0.7	2.3	0.04 U	22	0.61	3.7	0.35	0.84	0.36	0.56 U
	06/24/10	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.22	0.13 U	0.42	0.15 U	0.16 U	1.3	0.2 U	1.8	0.7	2.7	0.042 U	25	0.75	3.7	0.32	0.65	0.2	0.59 U
	07/01/10	ORIG	1.1	0.18 U	0.18 U	0.18 U	0.17	0.14 U	0.4	0.15 U	0.2	1.8	0.2 U	1.8	0.66	2.6	0.043 U	34	1.1	6.6	0.6	1.5	0.44	0.6 U
	07/08/10	ORIG	0.62	0.2 U	0.2 U	0.2 U	0.072 U	0.15 UJ	0.39	0.17 U	0.18 U	2	0.22 U	1.7	0.75	2.6	0.047 U	30	0.81	2.6	0.37	0.74	0.29	0.66 U
	07/28/10	ORIG	1.1	0.15 U	0.15 U	0.15 U	0.19	0.11 U	0.43	0.13 U	0.14	1.3	0.17 U	1.3	0.46	2	0.036 U	28	1.1	5.8	1	3.3	1.1	0.51 U
	08/27/10	ORIG	0.69	0.17 U	0.18 U	0.18 U	0.14	0.13 U	0.41	0.15 U	0.24	2	0.19 U	1.6 J	0.7	2.3	0.041 U	20	1.2	4.4	0.6	1.4	0.45	0.58 U
	09/29/10	ORIG	0.92	0.17 U	0.18 U	0.18 U	0.24	0.13 U	0.45	0.15 U	0.22	1.8	0.19 U	2	0.87	2.8	0.041 U	31	2	6.6	1	2.5	0.84	0.58 U
	10/27/10	ORIG	0.77	0.18 U	0.18 U	0.18 U	0.19	0.14 U	0.45	0.15 U	0.19	1.4	0.2 U	2	1.6	2.6	0.043 U	18	2	5.9	1	3	0.9	0.6 U
	11/30/10	ORIG	1.9	0.17 U	0.18 U	0.18 U	0.51	0.18	0.43 J	0.15 U	0.17	1.2	0.19 U	1	0.61	2.4	0.041 U	21	2.5	7.2	1.4	4.6	1.4	0.58 U
	12/28/10	ORIG	1.6	0.18 U	0.18 U	0.18 U	0.2	0.26	0.47 J	0.15 U	0.18	1.7	0.2 U	1.4	0.66	2.6	0.042 U	26	3.3	22	2.2	5.6	2.2	0.59 U
	01/26/11	ORIG	8.4	0.17 U	0.18 U	0.18 U	0.23	0.13 U	0.5 J	0.15 U	0.25	2.7	0.19 U	1.8	1.2	2.6	0.041 U	35	3.6	12	2	6.2	1.6	0.58 U
	02/28/11	ORIG	0.83	0.19 U	0.19 U	0.19 U	0.14 J	0.14	0.38	0.16 U	0.17 U	1.2 U	0.21 U	1.5	0.64	2.4	0.045 U	13	1.5	4.3	0.89	2.7	0.91	0.63 U
	03/30/11	ORIG	1.4	0.18 U	0.18 U	0.18 U	0.28 J	0.14 U	0.46	0.15 U	0.31	1.7	0.2 U	0.83	0.6	2.3	0.043 U	19	1.5	6.9	1.1	3.4	1	0.6 U
	04/29/11	ORIG	0.64 J	0.17 U	0.18 U	0.18 U	0.088	0.13 U	0.47 J	0.15 U	0.22 J	1.8	0.19 J	2 J	2.6 J	3	0.041 U	21 J	0.87 J	5.2 J	0.74 J	1.6 J	0.47 J	0.58 U
	04/29/11	DUP	0.26 J	0.17 U	0.17 U	0.17 U	0.07	0.14	0.5	0.14 U	1.8 J	1.1	0.19 UJ	2	1.2 J	3	0.04 U	16 J	0.55 J	2.1 J	0.18 J	0.43 J	0.15 J	0.56 U
	05/31/11	ORIG	2	0.2 U	0.2 U	0.2 U	0.38	0.15 UJ	0.53 J	0.17 U	0.2	2.2	0.22 U	1.3	1.7	2.7	0.047 U	20	1.7	6.8	1.2	3.6	1.2 J	0.66 U
	06/29/11	ORIG	0.87	0.18 U	0.18 U	0.18 U	0.09	0.13	0.5	0.15 U	0.16 U	1.4	0.2 UJ	1.3	1.7	2.5	0.042 U	21	0.88	3.8	0.97	2.9	1	0.6 U
	07/27/11	ORIG	0.58	0.16 U	0.16 U	0.16 U	0.062	0.12 U	0.5 J	0.13 U	0.14 U	1.4	0.18 UJ	1.2	5.9	2.4	0.037 U	19	0.49	2.9	0.75	2.1	0.67	0.53 U
	08/31/11	ORIG	0.98	0.17 U	0.17 U	0.17 U	0.092	0.14	0.61	0.14 U	0.17	1.3	0.19 UJ	1.8	3	3	0.04 U	27	0.7	3	0.68	1.7	0.58	0.56 U
	09/27/11	ORIG	0.91	0.18 U	0.19 U	0.19 U	0.093	0.17	0.49	0.16 U	0.35	2.3	0.2 U	1.5	0.7	2.6	0.044 U	43	2	7.5	1.6	5.1	1.7	0.62 U
	12/21/11	ORIG	0.65	0.19 U	0.19 U	0.19 U	0.069 U	0.27	0.62	0.16 U	0.21	1.2 U	0.21 U	1.4	0.98	2.9	0.045 U	37	2.8	8.4	1.5	4.8	1.5	0.63 U
	03/28/12	ORIG	0.34	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.68	0.16 U	0.17 U	1.7 J	0.2 U	1.2	0.56	2.2	0.044 U	12	1.3	6.1	1.1	3.7	1.2 J	0.62 U
	06/27/12	ORIG	0.38	0.18 U	0.18 U	0.18 U	0.066 U	0.13 U	0.38 J	0.15 U	0.21	1.2 U	0.2 U	1.1	9.8	2	0.042 U	18	0.98	4.6	1.2	3.4	1.2	0.6 U
Warehouse																								
	09/08/06	ORIG	7.1	0.44	0.18 U	0.18 U	3.6	0.13 U	0.54	0.15 U	0.16 U	1.1 U	0.19 U	2.2	3.4	2.9	0.041 U	31	1.2	6.9	1	3.7	1.4	0.58 U
	03/03/09	ORIG	6	0.48	0.18 U	0.18 U	2.4	0.14 U	0.53	0.15 U	0.16 U	1.2 U	0.2 U	2.9	2.3	2.4	0.043 U	12	1.4	6.3	0.85	2.7	1	0.6 U
	07/16/09	ORIG	4.3	0.32	0.2 U	0.2 U	0.96	0.15 U	0.58	0.17 U	0.18 U	1.3 U	0.22 U	1.8	0.92	2.5	0.047 U	23	1.2	5.2	0.56	1.4	0.5	0.66 U
	08/25/09	ORIG	5.7	0.72	0.18 U	0.18 U	1.2	0.14 U	0.78	0.77 U	0.28	1.2	1.3	1.9	1.4	2.4	0.043 U	22	2.3	8.6	1.4	3.8	1.4	0.6 U
	09/30/09	ORIG	8.5	0.69	0.2 U	0.2 U	1.8	0.14 U	0.6	0.16 U	0.17 U	1.2 U	0.22 U	1.8	2.6 J	2.8	0.046 U	18	0.9	4.1	0.42	0.94	0.33	0.64 U
	10/29/09	ORIG	8.9	0.82	0.16 U	0.16 U	1.5 J	0.12 U	0.5	0.14 U	0.17	1 U	0.18 U	1.6	6.1	2.5	0.038 U	21	2	8.8	0.8	2.4	0.84	0.54 U
	11/24/09	ORIG	9.5	0.72	0.19 U	0.19 U	1.8	0.14 U	0.46	0.16 U	0.24	1.2 U	0.2 U	1.9	1.9	2.5	0.044 U	29	2	9.3	1.1	3.2	1.1	0.62 U
	12/28/09	ORIG	20	0.93	0.19 U	0.19 U	5.8	0.14 U	0.43	0.16 U	0.17 U	1.2 U	0.21 U	2.8	5.4	2.4	0.044 U	20	1.1	3.8	0.65	1.8	0.68	0.62 U
	01/27/10	ORIG	8.4	0.45	0.18 U	0.18 U	2.2	0.13 U	0.45	0.15 U	0.16 U	3	0.2 U	1.9 J	2	2.4	0.042 U	22	0.97	7.5	0.61	1.6	0.6	0.59 U
	02/24/10	ORIG	12	0.78	0.16 U	0.16 U	3.7	0.12 U	0.52	0.14 U	0.15 U	1	0.18 U	2	3.1	2.8 J	0.039 U	14	1.4	6.7	0.76	2.3	0.75	0.55 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	03/31/10	ORIG	6.9	0.5	0.15 U	0.15 U	2.9	0.13	0.38	0.13 U	0.14 U	2	0.17 U	1.6	2.8	2.3	0.036 U	11	0.47	3.4	0.3	0.97	0.27	0.51 U
	04/28/10	ORIG	2.9	0.28	0.2 U	0.2 U	0.77 J	0.15 U	0.41	0.17 U	0.18 U	1.3 U	0.22 U	1.5	1.3 J	2.5	0.048 U	7.2	0.38	1	0.16 U	0.32 U	0.16 U	0.67 U
	05/27/10	ORIG	3.9	0.34	0.18 U	0.18 U	1.2 J	0.13 U	0.56	0.15 U	0.16 U	1.1 U	0.19 U	1.9	1.5	3	0.041 U	22	0.62	3.1	0.3	0.73	0.24	0.58 U
	06/18/10	ORIG	0.43	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.36	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.54	2.3	0.045 U	27	0.43	4.1	0.24	0.52	0.18	0.63 U
	06/24/10	ORIG	0.34	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.2 U	1.7	0.63	2.6	0.044 U	30	0.71	3.9	0.25	0.48	0.15	0.62 U
	07/01/10	ORIG	0.38	0.15 U	0.15 U	0.15 U	0.054 U	0.11 U	0.35	0.12 U	0.16	1.2	0.16 U	1.6	0.53	2.4	0.035 U	27	0.97	4.6	0.3	0.66	0.21	0.49 U
	07/08/10	ORIG	0.23	0.17 U	0.17 U	0.17 U	0.063 U	0.13 UJ	0.43	0.14 U	0.15 U	1.2	0.19 U	1.8	0.76	2.8	0.04 U	20	0.69	2.3	0.2	0.45	0.19	0.57 U
	07/28/10	ORIG	0.38	0.16 U	0.16 U	0.16 U	0.059 U	0.12 U	0.48	0.14 U	0.14 U	1.3	0.18 U	1.2	0.46	2	0.038 U	52	0.69	2.5	0.39	1	0.38	0.54 U
	08/27/10	ORIG	0.38	0.18 U	0.19 U	0.19 U	0.08	0.14 U	0.42	0.16 U	0.19	1.2	0.2 U	1.7	0.72	2.2	0.044 U	16	0.91	3.5	0.38	0.88	0.29	0.62 U
	09/29/10	ORIG	0.68	0.19 U	0.19 U	0.19 U	0.5	0.14 U	0.49	0.16 U	0.18	1.2	0.21 U	1.8	1.1	2.7	0.045 U	33	1.4	4.8	0.67	1.8	0.63	0.63 U
	10/27/10	ORIG	0.4	0.18 U	0.18 U	0.18 U	0.096	0.14 U	0.44	0.15 U	0.16 U	1.2 U	0.2 U	1.5	1.1	2.7	0.043 U	10	1.6	4.1	0.58	1.6	0.6	0.6 U
	11/30/10	ORIG	0.87	0.18 U	0.18 U	0.18 U	0.11	0.19	0.45 J	0.15 U	0.16 U	1.1 U	0.2 U	1	0.54	2.5	0.042 U	18	2.2	5.8	0.95	3	0.99	0.59 U
	12/28/10	ORIG	0.93	0.14 U	0.15 U	0.15 U	0.12	0.11	0.48 J	0.12 U	0.13 U	0.93 U	0.16 U	1.4	0.61	2.7	0.034 U	13	2.2	6	0.76	2.2	0.71	0.48 U
	01/26/11	ORIG	1.1	0.19 U	0.19 U	0.19 U	0.11	0.14 U	0.46 J	0.16 U	0.18	2.2	0.21 U	1.7	0.73	2.7	0.045 U	24	2.2	6.6	0.83	2.3	0.68	0.63 U
	02/28/11	ORIG	0.57	0.19 U	0.2 U	0.2 U	0.12 J	0.14 U	0.32	0.16 U	0.17 U	1.2 U	0.22 U	1.6	0.61	2.4	0.046 U	9.3	1.2	2.8	0.44	1.3	0.45	0.64 U
	03/30/11	ORIG	0.78	0.17 U	0.17 U	0.17 U	0.061 U	0.12 U	0.48	0.14 U	0.22	2.9	0.19 U	1.5	0.72	2.5	0.04 U	21	1.2	9.8	0.69	1.8	0.72	0.56 U
	04/29/11	ORIG	0.2 J	0.14 UJ	0.15 UJ	0.15 UJ	0.053 UJ	0.15 J	0.47 J	0.12 UJ	0.16 J	7.1 J	0.16 UJ	2 J	0.82 J	3 J	0.034 UJ	13 J	0.62 J	2.5 J	0.29 J	0.65 J	0.2 J	0.48 UJ
	05/31/11	ORIG	0.96	0.2 U	0.21 U	0.21 U	0.11	0.15 UJ	0.5 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.78	2.5	0.049 U	14	1.2	4.2	0.57	1.6	0.56 J	0.69 U
	06/29/11	ORIG	0.67	0.18 U	0.18 U	0.18 U	0.071	0.14 U	0.6	0.15 U	0.16 U	1.2	0.2 UJ	1.2	0.66	2.4	0.043 U	15	0.63	2.5	0.38	1.2	0.42	0.6 U
	07/27/11	ORIG	0.27	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.48 J	0.16 U	0.17 U	1.2 U	0.21 UJ	1.2	0.64	2.4	0.045 U	14	0.44	2	0.25	0.71	0.26	0.63 U
	08/31/11	ORIG	0.44	0.17 U	0.18 U	0.18 U	0.064 U	0.14	0.61	0.15 U	0.16 U	1.1 U	0.19 UJ	1.8	0.96	3	0.041 U	14	0.68	2.3	0.33	0.89	0.31	0.58 U
	09/27/11	ORIG	0.74	0.19 U	0.19 U	0.19 U	0.069 U	0.17	0.44	0.16 U	0.28	2	0.21 U	1.3	0.54	2.3	0.045 U	31	1.8	6.1	0.99	3	1.1	0.63 U
	12/21/11	ORIG	0.45	0.19	0.19 U	0.19 U	0.068 U	0.26	0.76	0.16 U	0.16 J	1.2 U	0.21 U	1.4	0.7	2.8	0.044 U	20	2.6	7.6	1.1	3.6	1.2	0.62 U
	03/28/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.69	0.16 U	0.17 U	1.2 UJ	0.21 U	1.3	0.55	2.4	0.045 U	10	0.9	3.4	0.46	1.4	0.51 J	0.63 U
	06/27/12	ORIG	0.24	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.34 J	0.16 U	0.17 U	1.2 U	0.21 U	1.1	2.6	2	0.045 U	14	0.91	3.4	0.57	1.7	0.62	0.63 U
Former InterHealth/Current Intercommunity Dialysis Center																								
Nurses Station																								
	03/28/12	ORIG	0.22 J	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.78	0.15 U	0.16 U	1.2 UJ	0.2 U	1.3	0.89	2.4	0.043 U	25	0.85	2.7	0.43	1 J	0.38 J	0.6 U
Open Office																								
	04/29/11	ORIG	0.2 U	0.15 U	0.16 U	0.16 U	0.057 U	0.15	0.44	0.13 U	0.17	2.9	0.17 UJ	20	0.61	2.7	0.037 U	16	0.66	4.8	0.31	0.56	0.18	0.52 U
Research Area																								
	03/28/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.64	0.15 U	0.16 U	1.2 UJ	0.2 U	1.3	0.62	2.3	0.043 U	92 E	0.95	3.9	2	4.9 J	2 J	0.6 U
Waiting Room T11033																								
	04/29/11	SPLIT	0.23	0.095	0.11 U	0.11 U	0.04 U	0.081 U	0.55	0.092 U	0.12	0.69 U	0.12 J	24 J	0.63	18 J	0.026 U	10 J	0.65	2 J	0.35 J	1.1 J	0.44	0.36 U
	04/29/11	ORIG	0.2 U	0.16 U	0.16 U	0.16 U	0.059 U	0.13	0.47	0.14 U	0.14 U	1 U	0.18 UJ	30 J	0.64	2.7 J	0.038 U	13 J	0.54	1.5 J	0.16 J	0.39 J	0.13 U	0.54 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Former OCMA/Current Tomacico																								
Admin Office																								
	09/08/06	ORIG	0.43 U	0.34 U	0.34 U	0.34 U	0.2	0.26 U	0.52	0.29 U	0.66	2.2 U	0.38 U	1.7	1.2	2.9	0.081 U	95	1.2	16	1	3	1.2	1.1 U
	03/31/10	ORIG	0.61 U	0.48 U	0.49 U	0.49 U	1.1	0.36 U	0.56 U	0.41 U	1.2	3.1 U	0.54 U	6.5	2.3	14	0.11 U	90	0.72 U	3.7	0.44	0.78 U	0.39 U	1.6 U
	04/29/11	ORIG	0.24	0.18 U	0.18 U	0.18 U	0.065 U	0.13	0.47	0.15 U	1.1	1.1 U	0.2 UJ	2	0.68	2.9	0.042 U	25	0.61	2.2	0.18	0.48	0.16	0.59 U
Nurses Station																								
	09/08/06	ORIG	0.44	0.35 U	0.35 U	0.35 U	0.23	0.32	0.5	0.3 U	0.57	2.2 U	0.39	1.8	1.6	3.4	0.082 U	99	1.1	17	0.94	3.1	1.3	1.2 U
	03/31/10	ORIG	9.5 U	7.5 U	7.6 U	7.6 U	1.6 J	5.7 U	8.8 U	6.4 U	6.8 U	4.9 U	8.4 U	3.5 J	11 U	5.5 J	3.6 U	51	0.79 J	3.7 J	0.57 J	1 J	6.1 U	5 U
	04/29/11	ORIG	0.22 U	0.18 U	0.18 U	0.18 U	0.065 U	0.13	0.46	0.15 U	0.55	1.1 U	0.2 UJ	2	0.66	2.9	0.042 U	24	0.62	2.2	0.18	0.51	0.16	0.59 U
Tomacico Admin Office																								
	09/27/11	ORIG	0.55	0.18 U	0.18 U	0.18 U	0.089	0.45	0.47	0.15 U	5.6	6.7	0.2 U	2	0.67	2.4	0.043 U	140 E	1.6	14	1.6	6	3.2	0.6 U
	03/28/12	ORIG	0.23	0.18 U	0.19 U	0.19 U	0.068 U	0.18	0.75	0.16 U	1.4	1.7 J	0.2 U	2.1	0.55	2.1	0.044 U	110 E	1.3	7	0.85	3.1	1.3 J	0.62 U
Fred R. Rippy Company																								
Front Office																								
	07/01/10	ORIG	12	140	0.18 U	0.18 U	9.7	0.6	0.4	0.15 U	0.33	2.1	8.8	4	7.1	2.7	0.043 U	36 J	0.94	3.2	0.3	0.73	0.29	0.6 U
	07/01/10	DUP	12	140	0.18 U	0.18 U	10	0.59	0.41	0.15 U	0.33	1.7	9.4	4.1	7.6	2.6	0.043 U	49 J	0.92	3	0.3	0.74	0.25	0.6 U
	08/27/10	ORIG	1.2	6.1	0.19 U	0.19 U	0.63	0.25	0.42	0.16 U	0.18	1.2 U	1.1	1.6	0.96	2.2	0.044 U	19	1	3.3	0.37	0.92	0.3	0.62 U
	08/27/10	DUP	1.2	6.3	0.18 U	0.18 U	0.64	0.24	0.43	0.15 U	0.18	1.2 U	1.2	1.7	1	2.3	0.043 U	19	1	3.4	0.4	0.95	0.3	0.6 U
	11/30/10	ORIG	34 J	2.8	0.15 U	0.15 U	18	0.39	0.42 J	0.12 U	0.39	1.8	4.7	3.5	8.7	2.6	0.035 U	69 J	4.7	12	1.5	5.6	2	0.49 U
	11/30/10	DUP	42 J	3.3	0.18 U	0.18 U	22	0.38	0.46 J	0.15 U	0.45	1.1 U	5.2	4.1	10	2.6	0.041 U	99 J	4.8	10	1.4	5	1.8	0.58 U
	01/26/11	ORIG	28	2.2	0.21	0.18 U	15	0.48	0.51 J	0.15 U	0.44	2	4.8	4.5	8.4	2.6	0.041 U	170 E	3.3	11	1.5	5.5	1.9	0.58 U
	01/26/11	DUP	29	2.3	0.21	0.18 U	15	0.39	0.52 J	0.15 U	0.45	1.9	5.2	4.5	8.5	2.7	0.043 U	170 E	3.3	11	1.5	5.6	2.1	0.6 U
	02/28/11	ORIG	25 J	2.1 J	0.15 U	0.15 U	18 J	0.2	0.37	0.12 U	0.42	0.92 J	2.9	4.4 J	8.2 J	2.5	0.034 U	27 J	2.4	7 J	1 J	3.5 J	1.2 J	0.48 U
	02/28/11	DUP	47 J	3.8 J	0.18 U	0.18 U	33 J	0.25	0.41	0.15 U	0.52	1.1 U	3.2	6.8 J	14 J	2.4	0.041 U	44 J	2	5.7 J	0.81 J	2.7 J	0.92 J	0.58 U
	03/30/11	ORIG	36	2.9	0.35 U	0.35 U	31 J	0.48	0.5	0.3 U	0.46	2.2 U	15 J	4.7	12	2.5	0.082 U	100	1.2	5.1	0.56	1.6	0.55 J	1.2 U
	03/30/11	DUP	36	3	0.35 U	0.35 U	30 J	0.37	0.51	0.3 U	0.45	2.2 U	6.6 J	4.6	12	2.6	0.082 U	100	1.3	5.2	0.54	1.5	0.48 J	1.2 U
	04/29/11	ORIG	31	2.4	0.19 U	0.19 U	18	0.34 J	0.47 J	0.16 U	0.43	1.2 U	9.7 J	5.8 J	9.2	2.8	0.044 U	38	0.63	3.8 J	0.25 J	0.64 J	0.2	0.62 U
	04/29/11	DUP	27	2.1	0.18 U	0.18 U	15	0.6 J	0.45 J	0.15 U	0.39	1.2	8.4 J	5.1 J	7.8	2.7	0.041 U	35	0.68	10 J	0.56 J	1 J	0.32	0.58 U
	05/31/11	ORIG	45	3.1	0.25	0.18 U	23	0.3 J	0.51 J	0.15 U	0.51	1.1 U	24	3.1	7.7	2.5	0.042 U	38	1.2	4.7	0.64	2	0.71 J	0.59 U
	06/29/11	ORIG	24	1.8	0.17 U	0.17 U	11	0.41	0.54	0.14 U	0.29	1.1 U	13 J	2.6	4.3	2.5	0.039 U	58	0.71	2.8	0.45	1.4	0.59	0.55 U
	07/27/11	ORIG	19	1.4	0.16 U	0.16 U	8.9	0.12 U	0.56 J	0.13 U	0.28	1.2	15 J	2.4	3.7	2.5	0.037 U	26	0.42	1.8	0.32	0.99	0.37	0.53 U
	08/31/11	ORIG	24	1.8	0.17 U	0.17 U	11	0.45	0.63	0.14 U	0.33	1.2	15 J	6.7	4.5	2.9	0.04 U	32	0.61	2.5	0.39	1.1	0.4	0.57 U
	09/27/11	ORIG	22	1.8	0.19 U	0.19 U	11	0.39	0.49	0.16 U	0.5	2.3	13	2.7	3.9	2.5	0.044 U	49	2.1	7.4	1.4	5	2.2	0.62 U
	09/27/11	DUP	21	1.8	0.18 U	0.18 U	10	0.39	0.48	0.15 U	0.5	2.3	12	2.7	4	2.5	0.043 U	48	2	7.2	1.3	4.7	2.1	0.6 U
	10/28/11	ORIG	26	2.1	0.18 U	0.18 U	13	0.34 J	0.51	0.15 U	0.51	1.6	1.8 J	3.1	4.5	2.6	0.043 U	78	3.2	10	1.4 J	4.6 J	1.6 J	0.6 U
	10/28/11	DUP	26	2	0.17 U	0.17 U	12	0.32 J	0.5	0.14 U	0.51	1.7	6.7 J	2.8	4.3	2.5	0.04 U	73	3.1	10	1.9 J	7.2 J	2.7 J	0.57 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	11/30/11	ORIG	85	6.4	0.2 U	0.2 U	37	0.42	0.5	0.17 U	0.95	2.1	6.7 J	5.7	14	2.5	0.047 U	77 J	3.2	12	1.9	6.1	2.2	0.66 U
	11/30/11	DUP	84	6.3	0.2 U	0.2 U	37	0.43	0.5	0.17 U	0.99	2	5 J	5.5	14	2.5	0.047 U	100 E	3.2	12	1.8	6	2.2	0.66 U
	12/21/11	ORIG	35	2.6	0.18 U	0.18 U	16	0.38	0.8	0.16 U	0.45	1.2 U	5.5 J	3.4	6.5	2.6	0.043 U	27	3	9.6	1.5	5.4	1.8	0.61 U
	12/21/11	DUP	35	2.8	0.18 U	0.18 U	18	0.42	0.87	0.16 U	0.48	1.2 U	2.7 J	3.6	6.9	2.8	0.043 U	32	3.3	10	1.5	5.1	1.7	0.61 U
	01/31/12	ORIG	37	2.8	0.18 U	0.18 U	18	0.14 U	0.53	0.16 U	0.38	1.2 U	8	3.4	7	2.4	0.043 U	22	1.5	5.5	0.8	2.9	0.96	0.61 U
	01/31/12	DUP	36	2.8	0.18 U	0.18 U	18	0.14 U	0.52	0.16 U	0.38	1.2 U	7.5	3.3	6.9	2.5	0.043 U	23	1.5	5.6	0.78	2.8	0.95	0.61 U
	02/29/12	ORIG	23	1.8	0.18 U	0.18 U	6	0.14 U	0.58	0.15 U	0.39	1.2 U	9.3	2	2.5	2.7	0.043 U	24	1.6	6.7	0.96 J	3.4 J	1.2 J	0.6 U
	02/29/12	DUP	24	1.8	0.19 U	0.19 U	5.9	0.19	0.59	0.16 U	0.37	1.2 U	9.2	1.9	2.4	2.5	0.044 U	25	1.6	6.6	0.94 J	3.3 J	1.2 J	0.62 U
	03/28/12	ORIG	0.87	0.18 U	0.18 U	0.18 U	0.067 U	0.19	0.74	0.15 U	0.19	1.2 UJ	17	1.2	0.58	2.3	0.043 U	24 J	1.4	5.4	0.74	2.6	0.89 J	0.6 U
	03/28/12	DUP	0.85	0.18 U	0.18 U	0.18 U	0.065 U	0.19	0.65	0.15 U	0.18	1.1 UJ	20	1.2	0.56	2.3	0.042 U	19 J	1.4	5.2	0.75	2.7	0.94 J	0.59 U
	04/30/12	ORIG	0.63	0.18 U	0.19 U	0.19 U	0.068 U	0.29	0.37	0.16 U	0.17 U	1.2 U	9.2	1	0.41	0.17 U	0.044 U	26	0.52	2.7	0.3	0.84	0.28	0.62 U
	04/30/12	DUP	0.58	0.18 U	0.18 U	0.18 U	0.067 U	0.23	0.42	0.15 U	0.16 U	1.2 U	9	1	0.57	0.17 U	0.043 U	28	0.54	2.7	0.28	0.83	0.36	0.6 U
	05/30/12	ORIG	0.41	0.18 U	0.18 U	0.18 U	0.067 U	0.26	0.49	0.15 U	0.16 U	1.2 U	6.3	1.2	0.52	2.3	0.043 U	26 J	0.53	2.2	0.38	1.2	0.42	0.6 U
	05/30/12	DUP	0.37	0.18 U	0.18 U	0.18 U	0.065 U	0.24	0.38	0.15 U	0.16 U	1.1 U	5.2	1.1	0.48	2.1	0.042 U	21 J	0.49	1.9	0.34	1	0.37	0.59 U
	06/27/12	ORIG	0.51	0.18 U	0.18 U	0.18 U	0.067 U	0.24	0.47 J	0.16 U	0.26	1.2 U	3.1	1.1	0.51	2	0.043 U	24	1	11 J	1.7 J	6 J	1.8 J	0.61 U
	06/27/12	DUP	0.49	0.18 U	0.19 U	0.19 U	0.068 U	0.2	0.38 J	0.16 U	0.25	1.2 U	3.4	1.1	0.52	2.2	0.044 U	24	0.99	4.6 J	0.65 J	2.1 J	0.76 J	0.62 U
Production Area																								
	07/01/10	ORIG	14	990	4.7 U	4.7 U	5.7	3.5 U	5.4 U	3.9 U	4.2 U	5.1	5.1 U	4.8 U	6.6 U	4.2 U	2.2 U	30	2.7 U	4.6	3.7 U	3.7 U	3.7 U	3.1 U
	08/27/10	ORIG	5.9	130	0.19 U	0.19 U	2.4	0.14 U	0.4	0.16 U	0.17	1.4	1	2	1.8	2.3	0.044 U	16	1	2.9	0.35	0.89	0.28	0.62 U
	11/30/10	ORIG	37	3.7	0.45	0.15 U	14	0.21	0.42 J	0.43	0.36	1.2	12	2.9	6.6	2.5	0.034 U	140 E	8.4	19	1.8	6.7	2.8	0.48 U
	01/26/11	ORIG	30	2.5	0.61	0.19 U	9.5	0.26	0.51 J	0.18	0.4	1.9	6.6	3.7	5.4	2.6	0.045 U	270 E	2.8	16	1.8	6.2	2.4	0.63 U
	02/28/11	ORIG	51	4.3	0.28	0.18 U	24 J	0.24	0.41	0.15 U	0.44	1.1 U	1.5	5	9.2	2.3	0.042 U	160 E	2	6.1	0.71	2.2	0.72	0.59 U
	03/30/11	ORIG	32	3	1.5 U	1.5 U	10 J	1.1 U	1.7 U	1.2 U	1.3 U	9.4 U	19	3.9	5.2	2.4	0.35 U	140	2.2 U	5.1	1.2 U	2.4 U	1.2 U	4.9 U
	04/29/11	ORIG	10	0.77	0.19 U	0.19 U	3.1	0.15	0.44 J	0.16 U	0.16	1.2 U	2.7 J	2.6 J	1.9	2.8	0.044 U	210 E	0.66	3.9	0.22	0.58	0.19	0.62 U
	05/31/11	ORIG	35	2.3	1.2	0.18 U	13	0.14 J	0.5 J	0.15 U	0.4	1.6	29	2.5	4.8	2.5	0.043 U	32	1.2	5.2	0.69	2.6	1.1 J	0.6 U
	06/29/11	ORIG	13	0.96	0.18 U	0.18 U	3.8	0.13 U	0.53	0.15 U	0.2	1.2 U	2.6 J	1.8	1.8	2.5	0.042 U	130 E	0.74	9.9	1.5	2.7	0.81	0.6 U
	07/27/11	ORIG	6.7	0.48	0.16 U	0.16 U	1.9	0.12 U	0.57 J	0.14 U	0.14 U	1.3	5.2 J	1.5	1.1	2.6	0.038 U	13	0.45	1.6	0.25	0.8	0.29	0.54 U
	08/31/11	ORIG	16	1	0.16 U	0.16 U	4.2	0.13	0.55	0.14 U	0.21	4.2	4.3 J	11	1.8	2.8	0.038 U	24	0.7	4.1	0.51	1.5	0.64	0.54 U
	09/27/11	ORIG	24	1.8	0.18 U	0.18 U	7.6	0.16	0.47	0.15 U	0.5	2.8	4.4	2.4	3	2.5	0.043 U	45	2.2	6.7	1.1	3.7	1.5	0.6 U
	10/28/11	ORIG	20	1.6	0.18 U	0.18 U	6.6	0.15 J	0.5	0.15 U	0.41	1.4	3.4 J	2	2.4	2.5	0.043 U	150 E	3.6	11	2.3	8	3.1	0.6 U
	11/30/11	ORIG	82	5.4	0.2 U	0.2 U	23	0.18	0.47	0.17 U	0.74	1.8	5.6 J	4	7.5	2.4	0.047 U	92 E	2.8	9.6	1.5	5	1.9	0.66 U
	12/21/11	ORIG	17	2	0.18 U	0.18 U	10	0.3	0.72	0.15 U	0.39	1.4	0.19 U	2.5	3.7	2.7	0.041 U	37	2.5	3.6	0.14 U	0.28 U	0.14 U	0.58 U
	01/31/12	ORIG	30	2.1	0.18 U	0.18 U	10	0.14 U	0.6	0.15 U	0.26	1.2 U	14	2.3	3.2	2.5	0.043 U	15	1.2	6.1	0.69	2.7	1	0.6 U
	02/29/12	ORIG	16	1.2	0.18 U	0.18 U	2.7	0.14	0.59	0.15 U	0.26	1.2 U	18	1.5	1.2	2.5	0.043 U	31	1.6	11	1.4 J	5.8 J	2 J	0.6 U
	03/28/12	ORIG	0.8	0.16 U	0.16 U	0.16 U	0.075	0.12 U	0.72	0.14 U	0.18	1 UJ	24	1.2	0.65	2.4	0.039 U	15	1.3	6	0.62	2.2	0.77 J	0.55 U
	04/30/12	ORIG	0.24	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.4	0.15 U	0.16 U	1.2 U	1	1	0.58	0.17 U	0.043 U	23	0.58	3.5	0.27	0.83	0.36	0.6 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	05/30/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.46	0.16 U	0.17 U	1.2 U	0.45	1.1	0.49	2.2	0.044 U	9.8	0.51	2	0.28	0.89	0.34	0.62 U
	06/27/12	ORIG	0.34	0.18 U	0.42	0.19 U	0.068 U	0.14 U	0.32 J	0.16 U	0.2	1.2 U	0.51	1.1	0.52	2.2	0.044 U	34	1	20	0.72	2.3	0.88	0.62 U
Warehouse																								
	07/01/10	ORIG	12	410	7.6 U	7.6 U	5.6 U	5.7 U	8.8 U	6.4 U	6.8 U	4.9 U	8.4 U	7.9 U	11 U	6.9 U	3.6 U	47	4.5 U	9.2	6.1 U	6.1 U	6.1 U	5 U
	08/27/10	ORIG	11	65	1.8 U	1.8 U	2	1.4 U	2.1 U	1.5 U	1.6 U	12 U	2 U	2.6	2.8	2.3	0.43 U	24	2.7 U	7.7	1.4 U	3.2	1.5	6 U
	11/30/10	ORIG	13	1.9	0.94	0.18 U	4.6	0.18	0.46 J	0.53	0.27	1.1 U	6.9	2.1	4.4	2.4	0.042 U	27	3	24	1.3	4.6	2	0.59 U
	01/26/11	ORIG	12	2.1	0.91	0.18 U	3.3	0.2	0.5 J	0.47	0.29	1.6	5.6	2.6	3.1	2.6	0.042 U	59	3	20	2	6.8	2.7	0.59 U
	02/28/11	ORIG	9.7	1.4	0.9	0.16 U	4 J	0.13	0.43	0.15	0.25	1 U	1	2.4	2.8	2.4	0.037 U	21	1.9	10	0.76	2.5	0.92	0.53 U
	03/30/11	ORIG	9.2	3.5	1.7 U	1.7 U	2.6 J	1.3 U	2 U	1.4 U	1.5 U	11 U	4.7	2.6	2.4 J	2.5	0.4 U	32	2.5 U	5.4	1.4 U	2.7 U	1.4 U	5.7 U
	04/29/11	ORIG	1.6	1.7	0.21	0.15 U	0.31	0.11 U	0.48 J	0.12 U	0.15	0.93 U	2.9 J	2 J	1.1	2.8	0.034 U	15	0.57	1.4	0.27	0.96	0.38	0.48 U
	05/31/11	ORIG	4.4	0.39	0.78	0.18 U	1.2	0.13 UJ	0.52 J	0.15 U	0.26	1.3	6	1.4	1.2	2.6	0.042 U	18	1.4	5.6	0.76	3	1.3 J	0.59 U
	06/29/11	ORIG	6.8	0.6	0.18 U	0.18 U	1.7	0.14 U	0.53	0.15 U	0.16 U	1.2 U	0.22 J	1.6	1.4	2.4	0.043 U	23	0.62	2.9	0.49	1.4	0.54	0.6 U
	07/27/11	ORIG	6.2	0.52	0.16 U	0.16 U	1.5	0.12 U	0.5 J	0.14 U	0.14 U	1.3	1.3 J	1.4	1.2	2.2	0.038 U	9.1	0.68	2.7	0.43	1.2	0.48	0.54 U
	08/31/11	ORIG	11	0.86	0.18 U	0.18 U	2.7	0.13 U	0.6	0.15 U	0.22	1.1 U	3.5 J	9.9	2.1	3	0.041 U	14	0.72	2.1	0.38	1.1	0.48	0.58 U
	09/27/11	ORIG	11	1.1	0.19 U	0.19 U	3.2	0.15	0.5	0.16 U	0.46	2.4	1.2	2	2.1	2.3	0.044 U	34	2.2	6.4	0.97	2.9	1.1	0.62 U
	10/28/11	ORIG	8.4	0.77	0.18 U	0.18 U	2.4	0.14 J	0.49	0.15 U	0.34	1.3	1 J	1.7	1.6	2.4	0.042 U	45	3	9.4	1.6	6.1	2.2	0.59 U
	11/30/11	ORIG	34	3.1	0.18 U	0.18 U	10	0.3	0.39	0.15 U	0.65	2.4	5 J	3	5.3	2.4	0.043 U	100 E	3.3	16	2.1	6.7	2.4	0.6 U
	12/21/11	ORIG	11	1.1	0.18 U	0.18 U	3.8	0.22	0.78	0.15 U	0.3	1.1 U	5	2	2.2	2.8	0.042 U	30	3.6	13	1.8	6.2	2.1	0.59 U
	01/31/12	ORIG	9.6	0.83	0.18 U	0.18 U	2.9	0.13 U	0.6	0.15 U	0.18	1.2 U	5	1.6	1.7	2.5	0.042 U	15	1.5	5	0.85	3.2	1.2	0.6 U
	02/29/12	ORIG	3.8	0.42	0.18 U	0.18 U	0.64	0.13 U	0.22	0.15 U	0.16 U	1.1 U	29	1.4	0.83	2.5	0.042 U	38	1.7	9.1	1.8 J	7.9 J	2.6 J	0.59 U
	03/28/12	ORIG	1.2	0.2	0.18 U	0.18 U	0.11	0.13 U	0.77	0.15 U	0.17	1.1 UJ	7.7	1.3	0.72	2.4	0.042 U	12	1.6	4.5	0.68	2.4	0.83 J	0.59 U
	04/30/12	ORIG	0.32	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.42	0.15 U	0.16 U	1.2 U	0.2 U	1.1	0.6	0.17 U	0.043 U	16	0.56	1.6	0.24	0.73	0.27	0.6 U
	05/30/12	ORIG	0.35	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.38	0.16 U	0.17 U	1.2 U	0.2 U	1.1	0.49	2.2	0.044 U	10	0.45	1.9	0.26	0.85	0.32	0.62 U
	06/27/12	ORIG	0.41	0.18 U	0.68	0.19 U	0.068 U	0.14 U	0.35 J	0.16 U	0.19	1.2 U	0.21 U	1.1	0.52	2	0.044 U	51	1	28	0.61	1.9	0.66	0.62 U
LA Carts																								
Admin Office																								
	09/08/06	ORIG	0.24	1.2	0.15 U	0.15 U	0.06	0.11 U	0.5	0.12 U	0.14	5.2	0.16	1.5	0.7	2.6	0.034 U	74 E	1.6	10	1.2	4.5	1.7	0.48 U
	03/31/10	ORIG	0.25 U	0.66	0.2 U	0.2 U	0.2	0.16	0.38	0.17 U	0.18 U	1.6	0.22 U	1	0.79	2	0.048 U	12	0.55	5.7	0.2	0.46	0.16 U	0.67 U
Large Production Room																								
	09/08/06	ORIG	1.6	0.38 U	0.39 U	0.39 U	2.5	0.29 U	0.52	0.33 U	0.37	5.9	0.43 U	2.9	8.7	3.2	0.092 U	480 E	2.2	210	2	7.3	2.6	1.3 U
	03/31/10	ORIG	0.25	0.28	0.18 U	0.18 U	0.74	0.13 U	0.38	0.15 U	0.16 U	1.1 U	0.2 U	1.2	1.4	2	0.042 U	15	0.55	43	0.35	0.94	0.23	0.59 U
Small Production Room																								
	09/08/06	ORIG	1.1 U	0.88 U	0.89 U	0.89 U	3.6	0.66 U	1 U	0.76 U	0.8 U	5.7 U	0.99 U	3.2	14	2.9	0.21 U	1200 E	1.3	570	0.95	2.9	1	3 U
	03/31/10	ORIG	0.24 J	0.2 U	0.2 U	0.2 U	0.79	0.15 U	0.38	0.17 U	0.18 U	1.3 U	0.22 U	1.3	1.5	2.1	0.047 U	13	0.58	52	0.22	0.4	0.16 U	0.66 U

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Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Madsen Roofing																								
Office																								
	07/23/08	ORIG	2.5	0.96	0.19	0.18 U	0.21	0.2	0.44	0.15 U	0.27	1.1 U	0.2 U	1.2	1	2.1	0.042 U	37	1.5	6.3	4.4	12	1.9	0.59 U
	07/23/08	DUP	1.6 J	0.19 J	0.15 UJ	0.15 UJ	0.053 UJ	0.11 UJ	0.43 J	0.12 UJ	0.16 J	0.93 UJ	0.16 UJ	1.3 J	0.81 J	2.2 J	0.034 UJ	18 J	0.77 J	4 J	7.3 J	21 J	2.9 J	0.48 UJ
	03/03/09	ORIG	2.3	0.37	0.18 U	0.18 U	0.26	0.13 U	0.53	0.15 U	0.17	1.1 U	0.2 U	2.5	0.96	2.5	0.042 U	23	1.7	9.5	1.3	4.7	1.7	0.59 U
	03/31/10	ORIG	5	0.53	0.2 U	0.2 U	0.78	0.16	0.42	0.17 U	0.36	1.3 U	0.22 U	1.3	1.7	2.1	0.048 U	32	2.6	8.3	0.95	3	1.1	0.67 U
	09/29/10	ORIG	0.51	0.19 U	0.2 U	0.2 U	0.16	0.14 U	0.44	0.16 U	0.18	1.6	0.22 U	2	0.84	2.9	0.046 U	30	5.4	10	1.4	4.2	1.4	0.64 U
	03/30/11	ORIG	0.47	0.15 U	0.16 U	0.16 U	0.46 J	0.18	0.44	0.13 U	0.18	2.5	0.17 U	1.9	0.8	2.5	0.037 U	40	7.6	14	1.8	6.3	2.7 J	0.52 U
	09/27/11	ORIG	0.65	0.19 U	0.2 U	0.2 U	0.071 U	0.16	0.44	0.16 U	0.3	2.5	0.22 U	1.5	0.56	2.3	0.046 U	50	3.3	7.8	1.2	3.9	1.5	0.64 U
	03/28/12	ORIG	0.21 U	0.17 U	0.17 U	0.17 U	0.063 U	0.13 U	0.69	0.14 U	0.16	1.1 UJ	0.19 U	1.2	0.57	2.3	0.04 U	33	2.1	9	1.3	4.7	1.7 J	0.57 U
Warehouse																								
	07/23/08	ORIG	1.6	0.28	0.19 U	0.19 U	0.069 U	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.81	2.4	0.045 U	18	0.94	4.2	13	37	4.9	0.63 U
	07/23/08	EPA	6.1 U	4.83 U	4.91 U	4.91 U	3.57 U	3.64 U	5.66 U	4.14 U	4.39 U	23.95	5.41 U	5.06 U	6.9 U	4.45 U	2.3 U	--	2.87 U	3.39 U	3.91 U	7.38 U	3.91 U	--
Medlin & Son																								
Front office area																								
	05/11/04	ORIG	4.3	2.7	0.46 U	0.46 U	5.1	0.34 U	0.67	0.39 U	0.42 U	3.9	0.95	8.7	40	2.6 J	0.11 U	3400 E	1	5.3	0.79	2.2	0.87	1.5 U
	09/14/05	ORIG	22	14	0.18 U	0.18 U	10	0.13 U	0.84	0.15 U	0.27	1.7	0.2	12	34	1.8	0.041 U	530 E	1	7.4	0.72	2.5	0.9	0.58 U
	03/03/09	ORIG	17	6.6	0.36 U	0.36 U	4.4	0.27 U	0.52	0.31 U	0.33 U	34	0.49	4.8	9.8	2.5	0.086 U	3800 E	1.7	8.8	3.8	7.5	2.2	1.2 U
	03/03/09	EPA	13.6 U	10.7 U	10.9 U	10.9 U	7.9 U	8.1 U	12.6 U	9.2 U	9.8 U	6.9 U	12 U	11.2 U	15.3 U	9.9 U	5.1 U	--	6.4 U	10.2	8.7 U	17.8 U	8.7 U	--
	03/31/10	ORIG	23	10	0.18 U	0.18 U	4.3	0.17	0.37	0.15 U	0.16 U	2.3	0.19 U	3	8.9	2.2	0.041 U	170 E	0.54	2.3	3.8	15	3.7	0.58 U
	09/29/10	ORIG	0.88	0.34	0.18 U	0.18 U	0.57	0.13 U	0.42	0.15 U	0.21	1.8	0.2 U	2.1	1.5	2.7	0.042 U	390 E	1.7	5.2	1.7	4	1.5	0.59 U
	03/30/11	SPLIT	2.3 J	0.74 J	0.11 U	0.11 U	0.4 J	0.098	0.56	0.092 U	0.32 J	5.2	0.22	1.6	0.92	2.7	0.026 U	52	1.8 J	6.5 J	1.8 J	5.3 J	2.2 J	0.36 U
	03/30/11	ORIG	1.6 J	0.59 J	0.18 U	0.18 U	0.93 J	0.13 U	0.5	0.15 U	0.23 J	4.9	0.24	1.7	1	2.6	0.041 U	60	1.3 J	5.2 J	0.95 J	3.2 J	1.3 J	0.58 U
	09/27/11	SPLIT	0.62	0.18	0.11 U	0.41	0.054	0.095 J	0.56	0.092 U	0.37	51 J	0.2	1.2 J	0.72	3.2	0.026 U	57	2.1	9.5 J	1.8 J	7.1 J	3.1 J	0.36 U
	09/27/11	ORIG	0.64	0.2 U	0.2 U	0.2 U	0.074 U	0.16 J	0.5	0.17 U	0.32	34 J	0.22 U	1.5 J	0.61	2.7	0.048 U	68	1.9	6.8 J	1.3 J	4.6 J	1.7 J	0.67 U
	03/28/12	SPLIT	0.35 J	0.1	0.11 U	0.11 U	0.044	0.11	0.55 J	0.092 U	0.22	33	0.16	1.4	0.64	2.7 J	0.026 U	300	1.7 J	6.1	1.8 J	6.1	2.3 J	0.36 U
	03/28/12	ORIG	0.21 J	0.16 U	0.16 U	0.16 U	0.06 U	0.12 U	0.74 J	0.14 U	0.22	32 J	0.18 U	1.3	0.57	2.5 J	0.039 U	360 E	1.3 J	5	1.3 J	5	1.8 J	0.55 U
Production area																								
	05/11/04	ORIG	6.2	2.6	0.21	0.19 U	6.6	0.14 U	0.8	0.16 U	0.2	5.1	0.21 U	8.9	36	3.3	0.044 U	39	1.1	7.3	0.85	2.7	1	0.63 U
	09/14/05	ORIG	4.6	2.3	0.2 U	0.2 U	2.9	0.15 U	1.3	0.17 U	0.32	1.3 U	0.22 U	5.4	17	1.2	0.047 U	22	0.91	4.8	0.79	2.7	0.98	0.66 U
	03/03/09	ORIG	2.3	0.9	0.19 U	0.19 U	0.89	0.14 U	0.5	0.16 U	0.17 U	36	0.21 U	2.6	2.8	2.3	0.045 U	41	1.1	6.2	2	4.2	1.3	0.63 U
	03/31/10	ORIG	10	4.8	0.6 U	0.6 U	3.5	0.44 U	0.69 U	0.5 U	0.53 U	5.1	0.66 U	3.1	9.4	2.3	0.14 U	280 E	0.87 U	1.6	7.1	26	5.8	2 U
	09/29/10	ORIG	0.8	0.24	0.19 U	0.19 U	0.88	0.14 U	0.43	0.16 U	0.21	1.7	0.21 U	2.3	2.3	2.9	0.045 U	180 E	1.6	4.7	2.5	5.8	2.5	0.63 U
	03/30/11	ORIG	0.62	0.19	0.16 U	0.16 U	0.18 J	0.14	0.48	0.14 U	0.18	5.8	0.18 U	1.6	1	2.8	0.039 U	22	1.5	6	1.3	4.5	1.6 J	0.55 U
	09/27/11	ORIG	0.51	0.19 U	0.2 U	0.2 U	0.071 U	0.14 J	0.45	0.16 U	0.26	59	0.22 U	1.4	0.55	2.4	0.046 U	44	1.7	5.7	1.1	3.6	1.3	0.64 U
	03/28/12	ORIG	0.22 U	0.17 U	0.18 U	0.18 U	0.064 U	0.13 U	0.71	0.15 U	0.16 U	80 J	0.19 U	1.2	0.56	2.4	0.041 U	140 E	0.88	3.4	1.2	4.9	1.6 J	0.58 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Medlin North																								
Building Interior																								
	09/08/06	ORIG	1.6 U	1.3 U	1.3 U	1.3 U	0.47 U	0.96 U	1.5 U	1.1 U	1.2 U	8.3 U	1.4 U	1.6	1.9	2.6	0.3 U	430	1.9 U	2.8	1 U	2.1 U	1 U	4.3 U
	10/07/10	ORIG	0.28	0.18 U	0.19 U	0.19 U	0.22	0.14 U	0.37	0.16 U	0.17 U	1.2 U	0.2 U	1.8	0.96	2.5	0.044 U	21	0.81	2.3	0.32	0.84	0.29	0.62 U
	03/30/11	ORIG	0.38	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.48	0.16 U	0.17	1.4	0.21 U	1.6	0.82	2.7	0.045 U	21	1.4	4.4	0.53	1.5	0.54	0.63 U
	09/27/11	ORIG	0.6	0.2 U	0.2 U	0.2 U	0.074 U	0.15	0.46	0.17 U	0.26	8.5	0.22 U	1.4	0.61	2.4	0.048 U	35	1.7	5.1	0.81	2.3	0.9	0.67 U
Merchants Metals																								
Office Area																								
	04/18/12	ORIG	60	8.5	0.19 U	0.19 U	45	0.15 J	0.81 J	0.16 U	0.26	1.2	0.7	18	75	2.8	0.044 U	21	1.3	8.2	0.89	3.3	1.3	0.62 U
	05/30/12	ORIG	68	9.6	0.23 U	0.23 U	35	0.17 U	0.45	0.2 U	0.21 U	1.5 U	0.62	14	58	2.4	0.054 U	15	0.59	4.6	0.61	2.1	0.86	0.76 U
Production Area																								
	04/18/12	ORIG	0.77	0.24	0.22	0.19 U	0.64	0.16 J	1.1 J	0.16 U	0.26	1.9	0.2 U	1.8	2.2	3	0.044 U	27	3.4	26	3.5	14	4.5	0.62 U
	05/30/12	ORIG	0.28 U	0.22 U	0.22 U	0.22 U	0.082 U	0.17 U	0.35	0.19 U	0.2 U	1.4 U	0.25 U	1.2	0.71	2.3	0.053 U	15	0.68	5.7	0.66	2.3	0.8	0.74 U
Regional Occupational Program																								
Classroom (Room 104)																								
	03/31/10	ORIG	2	0.32	0.2 U	0.2 U	0.63	0.16	0.38	0.16 U	0.17 U	1.2 U	0.22 U	1.1	0.84	2.1	0.046 U	69	0.48	0.99	0.16	0.33	0.16 U	0.64 U
	05/27/10	ORIG	0.25	0.37	0.16 U	0.16 U	0.058 UJ	0.12 U	0.8	0.13 U	0.14 U	4.9	0.18 U	1.8	0.81 J	2.8	0.037 U	18	0.69	4.4	0.61	1.6	0.46	0.53 U
	07/01/10	ORIG	0.22 J	0.49	0.18 U	0.18 U	0.067 U	0.14 U	0.39	0.15 U	0.18	4	0.2 U	1.8	0.61	2.6	0.043 U	52	0.94	2.8	0.26	1.8	0.29	0.6 U
	07/28/10	ORIG	0.26	0.19	0.18 U	0.18 U	0.064 U	0.13 U	0.37	0.15 U	0.16 U	1.1 U	0.19 U	1.2	0.5	2	0.041 U	26	0.54	1.8	0.33	0.75	0.3	0.58 U
	08/27/10	ORIG	0.79	0.18 U	0.18 U	0.18 U	0.24	0.13 U	0.43	0.15 U	0.16 U	1.1 U	0.2 U	1.6	0.61	2.2	0.042 U	23	1.2	2.6	0.32	0.74	0.32	0.59 U
	10/07/10	ORIG	0.86	0.18 U	0.18 U	0.18 U	0.77	0.13 U	0.44	0.15 U	0.16 U	1.1 U	0.2 U	1.8	1.1	2.6	0.042 U	18	0.75	2.2	0.27	0.71	0.35	0.59 U
	10/27/10	ORIG	0.45	0.17 U	0.18 U	0.18 U	0.12	0.13 U	0.45	0.15 U	0.16 U	1.1 U	0.19 U	1.3	0.81	2.6	0.041 U	12	0.7	1.8	0.25	0.72	0.3	0.58 U
	11/30/10	ORIG	0.98	0.18 U	0.18 U	0.18 U	0.2	0.13 U	0.46 J	0.15 U	0.16 U	1.1 U	0.2 U	1.1	0.6	2.5	0.042 U	15	1.3	3.9	0.61	1.7	0.55	0.59 U
	12/28/10	ORIG	8.8	0.39	0.15 U	0.15 U	1.7	0.17	0.5 J	0.12 U	0.2	0.93 U	0.16 U	1.8	1.7	2.7	0.034 U	12	4.6	12	1.6	5.4	1.5	0.48 U
	01/26/11	ORIG	2	0.2	0.18 U	0.18 U	0.3	0.21	0.48 J	0.15 U	0.2	1.9	0.19 U	1.4	0.96	2.6	0.041 U	710 E	2.9	8.1	1.2	3.7	1.1	0.58 U
	02/28/11	ORIG	0.85	0.18 U	0.18 U	0.18 U	0.22 J	0.13 U	0.41	0.15 U	0.16 U	1.1 U	0.2 U	1.6	0.67	2.4	0.042 U	9.3	1.2	2.7	0.43	1.4	0.47	0.59 U
	03/30/11	ORIG	0.88	0.18 U	0.18 U	0.18 U	0.18 J	0.15	0.47	0.15 U	0.18	1.4	0.2 U	1.5	0.62	2.5	0.043 U	52	1.2	3.9	0.53	1.5	0.49	0.6 U
	04/29/11	ORIG	1.1	0.17 U	0.18 U	0.18 U	0.22	0.17	0.47 J	0.15 U	0.17	6.3	0.19 J	2 J	0.9	2.9	0.041 U	29	0.58	4	0.45	1.1	0.29	0.58 U
	05/31/11	ORIG	0.91	0.19 U	0.19 U	0.19 U	0.15	0.14 UJ	0.52 J	0.16 U	0.22	1.2 U	0.21 U	1.1	0.7	2.5	0.045 U	17	1.2	4.1	0.55	1.7	0.59 J	0.63 U
	06/29/11	ORIG	0.67	0.18 U	0.18 U	0.18 U	0.096	0.13 U	0.52	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	0.61	2.5	0.042 U	18	0.61	1.9	0.32	0.93	0.34	0.6 U
	07/27/11	ORIG	0.56	0.18 U	0.18 U	0.18 U	0.091	0.14 U	0.5 J	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	0.56	2.2	0.043 U	14	0.33	1.2	0.19	0.55	0.2	0.6 U
	08/31/11	ORIG	0.59	0.17 U	0.17 U	0.17 U	0.066	0.13 U	0.53	0.14 U	0.15 U	1.1 U	0.19 UJ	2	0.54	2.8	0.04 U	13	0.51	1.7	0.23	0.65	0.25	0.56 U
	09/27/11	ORIG	0.98	0.21	0.17 U	0.17 U	0.13	0.15	0.57	0.5	0.37	4.3	0.23	1.5	0.63	2.7	0.04 U	52	1.8	82	1.4	3.7	1.6	0.56 U
	10/28/11	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.17	0.14 UJ	0.48	0.15 U	0.28	1.7	0.2 UJ	1.3	0.64	2.4	0.043 U	30	2.4	7.6	1.2	4.5	1.6	0.6 U
	11/30/11	ORIG	1	0.3	0.19 U	0.19 U	0.068 U	0.18	0.47	0.16 U	0.32	1.8	0.2 UJ	1.3	0.59	2.4	0.044 U	49	2.2	7.7	1.2	3.8	1.4	0.62 U
	12/21/11	ORIG	0.98	0.18 U	0.18 U	0.18 U	0.11	0.22	0.75	0.16 U	0.18	1.2 U	0.2 U	1.4	0.69	2.7	0.043 U	20	2.6	7.6	1.2	4.2	1.4	0.61 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	01/31/12	ORIG	1.1	0.18 U	0.19 U	0.19 U	0.18	0.14 U	0.5	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.69	2.5	0.044 U	14	0.92	2.8	0.41	1.5	0.5	0.62 U
	02/29/12	ORIG	0.94	0.22	0.18 U	0.18 U	0.12	0.14 U	0.6	0.16 U	0.16	1.2 U	0.2 U	1.3	0.64	2.5	0.043 U	22	1.4	3.3	0.54 J	1.8 J	0.73 J	0.61 U
	03/29/12	ORIG	0.31	0.18 U	0.23	0.19 U	0.068 U	0.14 U	0.76	0.16 U	0.17 U	1.2 UJ	0.2 U	1.2	0.52	2.2	0.044 U	570 E	0.6	11	0.57	5.6 J	1.3 J	0.62 U
	04/30/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.16	0.14 U	0.42	0.15 U	0.16 U	1.2 U	0.2 U	1.2	0.52	0.17 U	0.043 U	15	0.52	1.3	0.2	0.61	0.3	0.6 U
	05/30/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.36	0.15 U	0.16 U	1.3	0.2 U	1.1	0.49	2.2	0.043 U	10	0.41	1.3	0.22	0.66	0.25	0.6 U
	06/27/12	ORIG	0.26	0.18 U	0.18 U	0.18 U	0.066 U	0.13 U	0.39 J	0.15 U	0.18	1.2 U	0.2 U	1.1	0.52	2.1	0.042 U	14	0.82	3	0.46	1.5	0.55	0.6 U
Dental Annex (Classroom)																								
	05/27/10	ORIG	17	1.6	0.2 U	0.2 U	12	0.15 U	0.53	0.17 U	0.84	1.3 U	0.22 U	3.5	7.1	2.9	0.047 U	32	0.56	2	0.46	1.1	0.34	0.66 U
	07/01/10	ORIG	0.39	0.24	0.17 U	0.17 U	0.063 U	0.13 U	0.37	0.14 U	0.33	1.1	0.19 U	1.5	0.54	2.5	0.04 U	37	0.92	2.7	0.25	0.58	0.21	0.57 U
	08/27/10	ORIG	1	0.18 U	0.18 U	0.18 U	0.16	0.14 U	0.37	0.15 U	0.25	1.2 U	0.2 U	1.5 J	0.59	2.2	0.043 U	18	0.89	2.7	0.34	0.85	0.28	0.6 U
	10/07/10	ORIG	1	0.18 U	0.18 U	0.18 U	0.42	0.14 U	0.42	0.15 U	0.32	1.2 U	0.2 U	1.8	0.8	2.5	0.043 U	190 E	0.79	2.6	0.32	0.82	0.28	0.6 U
	10/27/10	ORIG	1.1	0.17 U	0.18 U	0.18 U	0.27	0.13 U	0.44	0.15 U	0.35	1.1 U	0.19 U	1.8	1.1	2.5	0.041 U	52	0.97	2.6	0.39	1.1	0.49	0.58 U
	11/30/10	ORIG	0.85	0.19	0.16 U	0.16 U	0.13	0.16	0.47 J	0.14 U	0.27	4.6	0.18 U	1.4	0.6	2.5	0.039 U	51	1.6	9.7	1.4	3.6	1.1	0.55 U
	12/28/10	ORIG	2.6	0.2	0.15 U	0.15 U	0.44	0.22	0.52 J	0.12 U	0.45	0.94 U	0.16 U	1.6	0.85	2.6	0.035 U	16	3.2	8.1	1	3.3	1.1	0.49 U
	01/26/11	ORIG	2.4	0.19	0.18 U	0.18 U	0.34	0.19	0.5 J	0.15 U	0.34	1.9	0.19 U	1.7	1.1	2.6	0.041 U	24	3	8.7	1.2	3.7	1.1	0.58 U
	02/28/11	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.15 J	0.14	0.42	0.15 U	0.21	1.2 U	0.2 U	1.5	0.62	2.3	0.043 U	21	1.4	3.3	0.53	1.6	0.57	0.6 U
	03/30/11	ORIG	0.95	0.19 U	0.2 U	0.2 U	0.12 J	0.15	0.42	0.16 U	0.4	1.8	0.22 U	1.5	0.54	2.4	0.046 U	29	1.9	5.2	0.7	1.8	0.65 J	0.64 U
	04/29/11	ORIG	1.6	0.18 U	0.18 U	0.18 U	0.21	0.18	0.46 J	0.15 U	0.33	1.1 U	0.2 J	2 J	0.85	2.9	0.042 U	100 E	0.5	1.4	0.21	0.51	0.2	0.59 U
	05/31/11	ORIG	0.5	0.18 U	0.18 U	0.18 U	0.14	0.2 J	0.49 J	0.15 U	0.37	1.8	0.2 U	1.1	0.66	2.6	0.043 U	23	1	2.8	0.17	0.5	0.16 J	0.6 U
	06/29/11	ORIG	0.88	0.18 U	0.18 U	0.18 U	0.096	0.13 U	0.52	0.15 U	0.46	1.1 U	0.2 UJ	1.2	0.59	2.4	0.042 U	54	0.6	2.3	0.38	1.1	0.42	0.59 U
	07/27/11	ORIG	1.4	0.17 U	0.17 U	0.17 U	0.18	0.12 U	0.52 J	0.14 U	0.49	1.1 U	0.19 UJ	1.3	0.6	2.5	0.04 U	12	0.31	1	0.19	0.59	0.21	0.56 U
	08/31/11	ORIG	1.6	0.18 U	0.18 U	0.18 U	0.2	0.13 U	0.57	0.15 U	0.55	1.2 U	0.2 UJ	2.1	0.62	2.9	0.042 U	19	0.46	1.5	0.22	0.63	0.21	0.6 U
	09/27/11	ORIG	1.9	0.26	0.17 U	0.17 U	0.33	0.19	0.44	0.43	0.61	3.5	0.19 U	1.4	0.71	2.4	0.04 U	120 E	1.7	75	1.4	4	1.6	0.56 U
	10/28/11	ORIG	1.8	0.2	0.18 U	0.18 U	0.26	0.16	0.34	0.15 U	0.53	1.5	0.2 U	1.4	0.78	2.7	0.043 U	37	2.8	8.9	1.4	5.2	1.8	0.6 U
	11/30/11	ORIG	1.8	0.3	0.2 U	0.2 U	0.17	0.24	0.46	0.16 U	0.54	2.2	0.22 UJ	1.4	0.68	2.4	0.046 U	210 E	2.8	10	1.6	5.3	1.9	0.64 U
	12/21/11	ORIG	1.3	0.19 U	0.19 U	0.19 U	0.15	0.23	0.92	0.16 U	0.36	1.2 U	0.21 U	1.4	0.74	2.8	0.045 U	24	3	8.7	1.4	4.6	1.6	0.63 U
	01/31/12	ORIG	1.4	0.18 U	0.19 U	0.19 U	0.19	0.14 U	0.57	0.16 U	0.34	1.2 U	0.21 U	1.3	0.79	2.7	0.044 U	13	1.1	3.7	0.56	2	0.68	0.62 U
	02/29/12	ORIG	1.5	0.21	0.19 U	0.19 U	0.18	0.14 U	0.49	0.16 U	0.29	1.4	0.2 U	1.2	0.64	2.4	0.044 U	260 E	1.4	4.1	0.66 J	2.2 J	0.76 J	0.62 U
	03/29/12	ORIG	0.32	0.17 U	0.17 U	0.17 U	0.074	0.12 U	0.7	0.14 U	2.4	1.7 J	0.19 U	1.3	0.55	2.4	0.04 U	25	0.68	2.4	0.62	2.1 J	0.79 J	0.56 U
	04/30/12	ORIG	0.28	0.17 U	0.17 U	0.17 U	0.56	0.13 U	0.42	0.14 U	0.26	1.1 U	0.19 U	1.4	0.6	0.16 U	0.04 U	240 E	0.5	1.3	0.22	0.57	0.2	0.57 U
	05/30/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.42	0.16 U	0.19	1.2 U	0.21 U	1.1	0.5	2.2	0.045 U	9.8	0.41	1.3	0.22	0.65	0.24	0.63 U
	06/27/12	ORIG	0.31	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.4 J	0.16 U	0.32	1.2 U	0.2 U	1.1	0.51	2	0.043 U	16	0.88	3.2	0.56	1.8	0.61	0.61 U
Dental Annex (Lobby/Computer Area)																								
	05/27/10	ORIG	20	1.9	0.19 U	0.19 U	13	0.14 U	0.54	0.16 U	0.82	1.2 U	0.21 U	3.3	6.4	2.8	0.045 U	42	0.54	2	0.52	1.3	0.44	0.63 U
	07/01/10	ORIG	0.34	0.28	0.17 U	0.17 U	0.063 U	0.13 U	0.39	0.14 U	0.23	1.1 J	0.19 U	1.7	0.56	2.6	0.04 U	41	0.91	2.6	0.26	0.6	0.19	0.57 U
	07/28/10	ORIG	0.34	0.31	0.18 U	0.18 U	0.067 U	0.14 U	0.49	0.15 U	0.16 U	1.2 U	0.2 U	1.3	0.52	2.1	0.043 U	17	0.61	1.8	0.5	1.2	0.36	0.6 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	08/27/10	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.13	0.14 U	0.39	0.15 U	0.23	1.2 U	0.2 U	1.1 J	0.58	2.1	0.043 U	18	0.91	2.7	0.35	0.83	0.31	0.6 U
	10/07/10	ORIG	0.89	0.18 U	0.18 U	0.18 U	0.28	0.14 U	0.44	0.15 U	0.2	1.2 U	0.2 U	1.8	0.72	2.7	0.043 U	200 E	0.8	2.4	0.29	0.75	0.25	0.6 U
	10/27/10	ORIG	0.99	0.17 U	0.18 U	0.18 U	0.24	0.13 U	0.44	0.15 U	0.21	1.1 U	0.19 U	1.8	1	2.6	0.041 U	32	0.88	2.2	0.32	0.91	0.29	0.58 U
	11/30/10	ORIG	1.1	0.17 U	0.17 U	0.17 U	0.17	0.21	0.42 J	0.14 U	0.41	1.7	0.19 U	1.5	0.65	2.7	0.04 U	150 E	1.9	7.9	1.2	3.4	1.2	0.56 U
	12/28/10	ORIG	2.6	0.2	0.15 U	0.15 U	0.47	0.17	0.5 J	0.12 U	0.39	0.93 U	0.16 U	1.6	0.9	2.6	0.034 U	17	3.2	8	1	3.1	0.99	0.48 U
	01/26/11	ORIG	2	0.18 U	0.18 U	0.18 U	0.27	0.2	0.47 J	0.15 U	0.23	1.7	0.2 U	1.3	0.93	2.6	0.043 U	25	2.8	8.6	1.1	3.6	1	0.6 U
	02/28/11	ORIG	0.66	0.19 U	0.2 U	0.2 U	0.12 J	0.15	0.36	0.16 U	0.18	2.4	0.22 U	1.6	0.6	2.4	0.046 U	42	1.3	5.8	1.2	4	1.2	0.64 U
	03/30/11	ORIG	0.97	0.18 U	0.19 U	0.19 U	0.23 J	0.14 U	0.45	0.16 U	0.31	1.5	0.23	1.6	0.61	2.4	0.044 U	29	1.9	5.3	0.68	1.8	0.62 J	0.62 U
	04/29/11	ORIG	1.5	0.18 U	0.19 U	0.19 U	0.17	0.15	0.47 J	0.16 U	0.43	1.2 U	0.2 J	2.2 J	0.83	3	0.044 U	200 E	0.54	1.4	0.32	0.83	0.25	0.62 U
	05/31/11	ORIG	1.1	0.19 U	0.2 U	0.2 U	0.14	0.14 UJ	0.56 J	0.16 U	0.32	1.2 U	0.22 U	1.3	0.7	2.7	0.046 U	17	1.2	4.2	1	3.1	0.96 J	0.64 U
	06/29/11	ORIG	0.89	0.17 U	0.17 U	0.17 U	0.1	0.13 U	0.57	0.15 U	0.2	1.1 U	0.19 UJ	1.2	0.57	2.4	0.041 U	53	0.62	1.9	0.37	1.2	0.54	0.58 U
	07/27/11	ORIG	0.83	0.18 U	0.18 U	0.18 U	0.098	0.13 U	0.5 J	0.15 U	0.18	1.1 U	0.2 UJ	1.2	0.54	2.4	0.042 U	11	0.35	1.1	0.2	0.63	0.23	0.59 U
	08/31/11	ORIG	0.98	0.19 U	0.19 U	0.19 U	0.12	0.14 U	0.53	0.16 U	0.23	1.2 U	0.21 UJ	2.2	0.61	2.9	0.045 U	17	0.5	1.5	0.21	0.56	0.2	0.63 U
	09/27/11	ORIG	1.5	0.19 U	0.19 U	0.19 U	0.22	0.16	0.47	0.16 U	0.41	2.8	0.21 U	1.5	0.64	2.6	0.045 U	83	1.9	6.1	1.1	3.9	1.8	0.63 U
	10/28/11	ORIG	1.1	0.18 U	0.18 U	0.18 U	0.18	0.15 J	0.35	0.15 U	0.32	1.4	0.2 UJ	1.4	0.66	2.5	0.043 U	25	2.4	4.9	0.39	0.86	0.29	0.6 U
	11/30/11	ORIG	1.2	0.26	0.19 U	0.19 U	0.1	0.21	0.46	0.16 U	0.4	1.8	0.21 UJ	1.4	0.59	2.4	0.045 U	120 E	2.3	8	1.2	4	1.5	0.63 U
	12/21/11	ORIG	1	0.19 U	0.19 U	0.19 U	0.1	0.19	0.69	0.16 U	0.22	1.2 U	0.21 U	1.3	0.62	2.6	0.045 U	18	2.6	7.7	1.2	4	1.4	0.63 U
	01/31/12	ORIG	1.1	0.19 U	0.19 U	0.19 U	0.17	0.14 U	0.54	0.16 U	0.17 U	1.2 U	0.21 U	1.3	0.73	2.6	0.045 U	13	1.1	2.9	0.44	1.5	0.58	0.63 U
	02/29/12	ORIG	1.1	0.18	0.18 U	0.18 U	0.14	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.69	2.5	0.043 U	96 E	1.2	3	0.52 J	1.7 J	0.69 J	0.61 U
	03/29/12	ORIG	0.26	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.7	0.15 U	0.52	1.8 J	0.2 U	1.2	0.5	2.2	0.043 U	24	0.65	1.7	0.26	0.8 J	0.28 J	0.6 U
	04/30/12	ORIG	0.22 U	0.17 U	0.18 U	0.18 U	0.44	0.13 U	0.45	0.15 U	0.16 U	1.1 U	0.19 U	1.3	0.61	0.16 U	0.041 U	71	0.5	1.6	0.22	0.52	0.28	0.58 U
	05/30/12	ORIG	0.25 U	0.2 U	0.2 U	0.2 U	0.072 U	0.15 U	0.38	0.17 U	0.18 U	1.3 U	0.22 U	1.2	0.52	2.5	0.047 U	9.8	0.42	1.3	0.24	0.73	0.28	0.66 U
	06/27/12	ORIG	0.27	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.4 J	0.16 U	0.2	1.2 U	0.2 U	1.1	0.5	2	0.043 U	16	0.81	2.8	0.46	1.4	0.52	0.61 U
Office (Room 108)																								
	05/27/10	ORIG	5.8	0.72	0.19 U	0.19 U	2.7	0.14 U	0.57	0.16 U	0.17 U	2.5	0.21 U	2	1.4	2.8	0.045 U	200 E	0.58	2.3	0.32	0.68	0.24	0.63 U
	07/01/10	ORIG	0.64	0.18	0.18 U	0.18 U	0.27	0.14 U	0.39	0.15 U	0.19	2.1	0.21	1.7	0.62	2.7	0.043 U	56	0.86	3	0.26	0.55	0.26	0.6 U
	07/28/10	ORIG	0.53	0.27	0.19 U	0.19 U	0.069 U	0.15	0.4	0.16 U	0.17 U	2.4	0.21 U	1.2	0.56	2.2	0.045 U	23	0.64	13	0.79	1.8	0.54	0.63 U
	08/27/10	ORIG	1	0.14 U	0.15 U	0.15 U	0.29	0.11 U	0.41	0.12 U	0.19	1.8	0.16 U	1.5	0.62	2.2	0.034 U	17	1.1	3.4	0.41	1	0.44	0.48 U
	10/07/10	ORIG	1.1	0.18 U	0.19 U	0.19 U	0.74	0.14 U	0.44	0.16 U	0.17 U	1.4	0.2 U	1.8	1.1	2.6	0.044 U	71	0.94	3.2	0.4	1	0.46	0.62 U
	10/27/10	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.35	0.13 U	0.41	0.15 U	0.21	2.9	0.2 U	1.9	1.5	2.6	0.042 U	33	1.6	5	0.65	1.9	0.63	0.59 U
	11/30/10	ORIG	1.6	0.17 U	0.18 U	0.18 U	0.32	0.18	0.46 J	0.15 U	0.16 U	2.8	0.19 U	1.4	0.66	2.5	0.041 U	28	1.9	5.8	0.77	2.4	0.78	0.58 U
	12/28/10	ORIG	3.7	0.24	0.16 U	0.16 U	0.72	0.21	0.56 J	0.14 U	0.58	4	0.33	1.7	1	2.7	0.039 U	21	2.7	8.3	0.96	2.9	1	0.55 U
	01/26/11	ORIG	3.3	0.24	0.2 U	0.2 U	0.61	0.19	0.49 J	0.16 U	0.22	5.6	0.22 U	1.5	1.3	2.7	0.046 U	120 E	2.9	8.9	1.2	3.5	1	0.64 U
	02/28/11	ORIG	2	0.19	0.18 U	0.18 U	0.5 J	0.13 U	0.4	0.15 U	0.18	8.1	0.32	1.5	0.85	2.3	0.041 U	24	1.8	5.1	0.75	2.4	0.82	0.58 U
	03/30/11	ORIG	1.7	0.42 U	0.42 U	0.42 U	0.49 J	0.31 U	0.5	0.36 U	0.38 U	4.6	0.47 U	1.6	1.3	2.5	0.099 U	73	1.2	4.8	0.97	2.6	0.68	1.4 U
	04/29/11	ORIG	1.1	0.17 U	0.17 U	0.17 U	0.21	0.12 U	0.46 J	0.14 U	0.15 U	1.1 U	0.19 J	2 J	0.83	2.9	0.04 U	16	0.51	1.1	0.15	0.37	0.13 U	0.56 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	05/31/11	ORIG	2.2	0.19 U	0.2 U	0.2 U	0.49	0.14 UJ	0.49 J	0.16 U	0.24	7.3	0.3	1.3	1	2.6	0.046 U	28	1.2	4.6	0.8	2.4	0.73 J	0.64 U
	06/29/11	ORIG	1	0.18 U	0.18 U	0.18 U	0.16	0.13 U	0.53	0.15 U	0.16 U	3.4	0.2 UJ	1.2	0.64	2.4	0.042 U	28	0.58	2.2	0.49	1.4	0.52	0.6 U
	07/27/11	ORIG	0.46	0.17 U	0.17 U	0.17 U	0.074	0.13 U	0.51 J	0.14 U	0.15 U	2.2	0.19 UJ	1.3	0.6	2.5	0.04 U	18	0.34	2.3	0.35	0.86	0.3	0.57 U
	08/31/11	ORIG	0.66	0.19 U	0.19 U	0.19 U	0.08	0.14 U	0.58	0.16 U	0.17 U	2.1	0.21 UJ	1.9	0.62	2.8	0.045 U	42	0.46	1.8	0.32	0.83	0.27	0.63 U
	09/27/11	ORIG	1.7	0.19 U	0.19 U	0.19 U	0.29	0.16	0.52	0.16 U	0.32	2.5	0.21 U	1.4	0.65	2.4	0.045 U	37	1.8	6.2	1	3.8	1.6	0.63 U
	10/28/11	ORIG	2.1	0.22	0.17 U	0.17 U	0.32	0.16 J	0.44	0.14 U	0.29	2	0.19 UJ	1.4	0.81	2.4	0.04 U	37	2.8	9.3	1.5	5.5	1.9	0.57 U
	11/30/11	ORIG	1.8	0.3	0.19 U	0.19 U	0.12	0.2	0.46	0.16 U	0.36	3.2	0.2 UJ	1.4	0.68	2.4	0.044 U	58	2.7	10	1.7	5.2	1.9	0.62 U
	12/21/11	ORIG	1.3	0.18 U	0.19 U	0.19 U	0.16	0.24	0.76	0.16 U	0.21	2.6	0.21 U	1.4	0.76	2.9	0.044 U	77	2.7	8.7	1.3	4.4	1.5	0.62 U
	01/31/12	ORIG	1.2	0.18 U	0.18 U	0.18 U	0.21	0.14 U	0.52	0.16 U	0.17 U	1.7	0.2 J	1.3	0.78	2.5	0.043 U	22	1.1	4.2	0.66	2.2	0.71	0.61 U
	02/29/12	ORIG	1.2	0.18 J	0.18 U	0.18 U	0.16	0.14 U	0.56	0.15 U	0.16 U	2.6	0.2 U	1.3	0.72	2.5	0.043 U	24	1.3	4.5	0.77 J	2.4 J	0.88 J	0.6 U
	03/29/12	ORIG	0.28	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.86	0.16 U	0.17 U	1.8 J	0.2 U	1.3	0.59	2.4	0.044 U	130 E	0.72	3.6	0.28	0.86 J	0.22 J	0.62 U
	04/30/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.25	0.14 U	0.46	0.16 U	0.17 U	1.2	0.2 U	1.2	0.64	0.17 U	0.044 U	24	0.52	1.9	0.28	0.63	0.32	0.62 U
	05/30/12	ORIG	0.22 U	0.18 U	0.18 U	0.18 U	0.065 U	0.13 U	0.4	0.15 U	0.16 U	1.1 U	0.2 U	1.1	0.5	2.2	0.042 U	17	0.41	1.6	0.3	0.8	0.32	0.59 U
	06/27/12	ORIG	0.26	0.18 U	0.18 U	0.18 U	0.066 U	0.13 U	0.4 J	0.15 U	0.18	1.2 U	0.2 U	1	0.49	2	0.042 U	27	0.84	3.2	0.55	1.6	0.61	0.6 U
Office (Room 207)																								
	03/31/10	ORIG	58	3.5	0.16 U	0.16 U	29	0.2	0.43	0.13 U	0.27	47	0.17 U	6	11	2.3	0.037 U	78 E	0.72	6.7	0.99	2.7	0.84	0.52 U
	05/27/10	ORIG	25 J	1.3	0.15 U	0.15 U	13 J	0.12	0.52	0.12 U	0.13 U	4.1 J	0.16 U	2.7	3.6 J	2.7	0.034 U	36 J	0.49	2	0.34	0.78	0.27	0.48 U
	05/27/10	DUP	20 J	1.4	0.19 U	0.19 U	9.5 J	0.14 U	0.51	0.16 U	0.17	5.8 J	0.2 U	2.5	2.9 J	2.7	0.044 U	180 E	0.55	2.4	0.39	0.87	0.28	0.62 U
	07/01/10	ORIG	2	0.26	0.19 U	0.19 U	0.57	0.14 U	0.4	0.16 U	0.22	8.6	0.21 J	1.9	0.75	2.8	0.045 U	41	0.95	3.7	0.36	0.85	0.27	0.63 U
	07/28/10	SPLIT	1.4	0.3	0.11 U	0.11 U	0.18	0.081 U	0.65	0.092 U	0.23	7.5	0.2	1.6	0.68	2.8	0.026 U	9.7	0.95	15	2.3	6.1	2.2	0.36 U
	07/28/10	ORIG	1.2	0.18	0.18 U	0.18 U	0.13	0.13	0.47	0.15 U	0.16 U	5.4	0.19 U	1.2	0.5	2.1	0.041 U	29	0.62	2.6	0.96	2.2	0.58	0.58 U
	08/27/10	SPLIT	1.5 J	0.13	0.1 J	0.05 U	0.19 J	0.13	0.45	0.14	0.22	29 J	0.49	0.06 U	0.08 U	0.05 U	0.01 U	1.2 UJ	1.4 J	14 J	0.04 U	4.3 J	1.4 J	0.07 U
	08/27/10	ORIG	0.94 J	0.18 U	0.18 U	0.18 U	0.24 J	0.14 U	0.4	0.15 U	0.18	2.9 J	0.2 U	1.7	0.66	2.3	0.043 U	21 J	0.93 J	3.4 J	0.4	0.97 J	0.3 J	0.6 U
	10/07/10	ORIG	1.2	0.18 U	0.18 U	0.18 U	0.38	0.13	0.44	0.15 U	0.2	3.6	0.2 U	1.9	0.77	2.6	0.042 U	49	1	3.7	0.47	1.2	0.42	0.59 U
	10/27/10	SPLIT	1.7	0.11	0.11 U	0.11 U	0.3 J	0.11	0.44	0.092 U	0.17	5.4 J	0.16	1.4 J	1.2 J	2.5	0.026 U	19 J	1.2 J	14 J	1.2 J	3.8 J	1.4 J	0.36 U
	10/27/10	ORIG	1.4	0.17 U	0.18 U	0.18 U	0.41 J	0.13 U	0.45	0.15 U	0.18	7.2 J	0.19 U	2 J	1.6 J	2.7	0.041 U	34 J	1.6 J	6.2 J	0.67 J	1.9 J	0.62 J	0.58 U
	11/30/10	SPLIT	1.8 J	0.2	0.11 U	0.11 U	0.33 J	0.12	0.51 J	0.092 U	0.18	7.4 J	0.17	1.5 J	0.75 J	2.8 J	0.026 U	20 J	1.9 J	9.7 J	0.94 J	3.4 J	1.1 J	0.36 U
	11/30/10	ORIG	0.91 J	0.16 U	0.16 U	0.16 U	0.17 J	0.12	0.25 J	0.14 U	0.14 U	3.5 J	0.18 U	0.75 J	0.38 J	1.3 J	0.038 U	13 J	1 J	4.1 J	0.44 J	1.4 J	0.44 J	0.54 U
	12/28/10	SPLIT	8.2 J	0.41 J	0.11 U	0.11 U	1.5 J	0.1 J	0.57	0.092 U	0.28	5.8 J	0.6 J	1.7	1.5 J	2.7	0.026 U	24	3.3	13 J	2.3 J	8.2 J	3 J	0.36 U
	12/28/10	ORIG	4.2 J	0.25 J	0.15 U	0.15 U	0.82 J	0.19 J	0.5 J	0.13 U	0.2	7.5 J	0.28 J	1.7	1.1 J	2.7	0.036 U	27	3.1	10 J	1.1 J	3.4 J	1 J	0.5 U
	01/26/11	SPLIT	4.3	0.3	0.11 U	0.11 U	0.69	0.11	0.58 J	0.092 U	0.26 J	8.2	0.35 J	1.6	1.4	2.5	0.026 U	99	2.7 J	10 J	2.1 J	7 J	2.5 J	0.36 U
	01/26/11	ORIG	4.6	0.27	0.15 U	0.15 U	0.75	0.16	0.43 J	0.12 U	0.39 J	8.3	0.17 J	1.9	1.5	2.9	0.035 U	92 E	3.4 J	19 J	1.5 J	4.7 J	1.3 J	0.49 U
	02/28/11	SPLIT	2.3	0.24 J	0.33 U	0.33 U	0.38 J	0.24 U	0.42	0.28 U	0.29 U	12	0.44	0.9 J	0.84	2 J	0.077 U	40 J	1.7	6	0.83	2.6	0.99 J	1.1 U
	02/28/11	ORIG	2	0.18 J	0.18 U	0.18 U	0.54 J	0.15	0.4	0.15 U	0.18	13	0.26	1.6 J	0.88	2.5 J	0.043 U	26 J	1.7	5.6	0.78	2.4	0.8 J	0.6 U
	03/30/11	SPLIT	3.1 J	0.23	0.11 U	0.11 U	0.5 J	0.13	0.57	0.092 U	0.3 J	8	0.34	1.6	1	2.8	0.026 U	53	1.6 J	6.5	1.9 J	5.4 J	1.6 J	0.36 U
	03/30/11	ORIG	2.3 J	0.18	0.18 U	0.18 U	0.45 J	0.14 U	0.48	0.15 U	0.21 J	7.1	0.2 U	1.5	0.87	2.5	0.043 U	46	1.2 J	5.4	1 J	3 J	0.76 J	0.6 U

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Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	04/29/11	SPLIT	1 J	0.084	0.11 U	0.11 U	0.17	0.11	0.55	0.092 U	0.14	8.2	0.17 J	1 J	0.87	2.6	0.026 U	37 J	0.66 J	9.3 J	0.91 J	2.7 J	0.82 J	0.36 U
	04/29/11	ORIG	0.76 J	0.18 U	0.18 U	0.18 U	0.18	0.16	0.46 J	0.15 U	0.16 U	9.2	0.2 J	2 J	0.81	2.9	0.042 U	27 J	0.54 J	6.9 J	0.42 J	1 J	0.24 J	0.59 U
	05/31/11	SPLIT	2.9	0.2	0.11 U	0.11 U	0.44 J	0.12	0.6	0.092 U	0.35 J	14	0.52 J	1.2	1.1	2.6	0.026 U	22 J	1.5 J	5.9	1.4 J	4.4 J	1.5 J	0.36 U
	05/31/11	ORIG	2.5	0.18 U	0.19 U	0.19 U	0.59 J	0.14 UJ	0.51 J	0.16 U	0.25 J	12	0.36 J	1.3	1.1	2.5	0.044 U	27 J	1.2 J	5.1	0.84 J	2.6 J	0.78 J	0.62 U
	06/29/11	Split	2.5 J	0.16	0.11 U	0.11 U	0.3	0.12	0.66 J	0.092 U	0.14 J	8.1	0.22	1.4	0.85	0.099 U	0.026 U	37 J	0.64	5.8 J	2.2 J	5.4 J	2.5 J	0.36 U
	06/29/11	ORIG	1.9 J	0.17 U	0.18 U	0.18 U	0.3	0.13 U	0.52 J	0.15 U	0.32 J	7.9	0.19 UJ	1.3	0.78	2.4	0.041 U	29 J	0.6	2.7 J	0.56 J	1.6 J	0.52 J	0.58 U
	07/27/11	SPLIT	0.64	0.071	0.11 U	0.11 U	0.11	0.41	0.58	0.092 U	0.13	4	0.25	1.3	0.78	2.8	0.026 U	20	0.43	9 J	1.3 J	3 J	1.3 J	0.36 U
	07/27/11	ORIG	0.56	0.16 U	0.16 U	0.16 U	0.1	0.12 U	0.58 J	0.14 U	0.15 U	3.9	0.18 UJ	1.4	0.67	2.6	0.039 U	22	0.32	1.8 J	0.39 J	1 J	0.39 J	0.55 U
	08/31/11	Split	0.88	0.084	0.27 U	0.27 U	0.11	0.2 U	0.52	0.23 U	0.24 U	4.6	0.3 U	1.4 J	0.74	2.7	0.064 U	36 J	0.65	11 J	0.97 J	2.2 J	1.1 J	0.9 U
	08/31/11	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.11	0.15	0.55	0.16 U	0.17 U	5.5	0.2 UJ	1.9 J	0.64	2.8	0.043 U	51 J	0.48	3.4 J	0.46 J	1.3 J	0.48 J	0.61 U
	09/27/11	SPLIT	1.9	0.22	0.11 U	0.11 U	0.39	0.1	0.56	0.22	0.5 J	4.9 J	0.33	1.3 J	0.89	3.2 J	0.026 U	42	2.2	12 J	2 J	10 J	5.2 J	0.36 U
	09/27/11	ORIG	1.8	0.18	0.18 U	0.18 U	0.37	0.15	0.47	0.15 U	0.34 J	3.8 J	0.2 U	1.6 J	0.74	2.4 J	0.043 U	41	1.9	8 J	1.4 J	5.9 J	2.8 J	0.6 U
	10/28/11	SPLIT	2.5 J	0.27	0.11 U	0.11 U	0.35	0.14	0.71	0.092 U	0.4 J	3.9	0.31	1.6 J	1.1 J	2.6	0.026 U	36	2.3 J	11 J	2 J	6.8 J	2.5 J	0.36 U
	10/28/11	ORIG	0.23 UJ	0.18 U	0.18 U	0.18 U	0.32	0.14 UJ	0.21 U	0.15 U	0.23 J	3.3	0.2 UJ	1.3 J	0.78 J	2.4	0.043 U	36	0.59 J	0.53 UJ	0.14 UJ	0.29 UJ	0.14 UJ	0.6 U
	11/30/11	SPLIT	2.1	0.32	0.11 U	0.11 U	0.16	0.23	0.65 J	0.092 U	0.35	11	0.32	1.8	0.97 J	2.8	0.026 U	43 J	2.9	15 J	2.2 J	6.8 J	2.5 J	0.36 U
	11/30/11	ORIG	1.8	0.27	0.19 U	0.19 U	0.16	0.2	0.47 J	0.16 U	0.38	10	0.2 UJ	1.5	0.78 J	2.5	0.044 U	64 J	2.8	11 J	1.7 J	5.5 J	2 J	0.62 U
	12/21/11	SPLIT	1.3	0.15	0.11 U	0.11 U	0.16	0.094 J	0.62 J	0.092 U	0.28	8.5	0.12 U	1.6	0.89	2.9	0.026 U	90	2.7	10	1.8 J	5.9	2.3 J	0.36 U
	12/21/11	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.16	0.23 J	0.88 J	0.16 U	0.21	7.7	0.2 U	1.4	0.78	2.8	0.043 U	99 E	2.9	9.9	1.4 J	4.9	1.7 J	0.61 U
	01/31/12	ORIG	1.3 J	0.18 U	0.18 U	0.18 U	0.22	0.14 U	0.51	0.16 U	0.17 U	6.3	0.2 U	1.3	0.83	2.6	0.043 U	22	1.2 J	4.8 J	0.77 J	2.6 J	0.86 J	0.61 U
	01/31/12	SPLIT	1.7 J	0.14	0.11 U	0.11 U	0.24	0.081 U	0.58	0.092 U	0.23	7.3	0.4	1.5	0.94	0.099 U	0.026 U	21	1.8 J	7.4 J	1.6 J	5.3 J	2 J	0.36 U
	02/29/12	SPLIT	1.3	0.16	0.11 U	0.11 U	0.17 J	0.092	0.51	0.092 U	0.15	14	0.15	1.8 J	0.8	3.4 J	0.026 U	19 J	1.6	5	1 J	3.2 J	1.1 J	0.36 U
	02/29/12	ORIG	1.2	0.18 U	0.18 U	0.18 U	0.18	0.14 U	0.54	0.15 U	0.17	12	0.23	1.3 J	0.83	2.6 J	0.043 U	30 J	1.5	4.9	0.86 J	2.8 J	1 J	0.6 U
	03/29/12	SPLIT	0.45	0.097	0.11 U	0.11 U	0.066	0.11	0.53 J	0.092 U	0.14	5.8	0.12 U	1.4	0.62	2.4	0.026 U	44 J	0.82	3.9	0.5 J	1.9 J	0.61 J	0.36 U
	03/29/12	ORIG	0.35	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.8 J	0.15 U	0.16 U	5.3 J	0.2 U	1.3	0.56	2.4	0.043 U	75 J	0.69	3.5	0.4 J	1.5 J	0.48 J	0.6 U
	04/30/12	SPLIT	0.32	0.054 U	0.11 U	0.11 U	0.2	0.091	0.59	0.092 U	0.14	4.2	0.12 U	1.5	0.62	2.5 J	0.026 U	20	0.78	3.7	0.5	1.2 J	0.48 J	0.36 U
	04/30/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.23	0.14 U	0.44	0.15 U	0.16 U	3.1	0.2 U	1.3	0.47	0.17 UJ	0.043 U	25	0.56	2.9	0.27	0.61 J	0.19 J	0.6 U
	05/30/12	SPLIT	0.21	0.054 U	0.11 U	0.11 U	0.04 U	0.077	0.51	0.092 U	0.12	2.5	0.12 U	1.2	0.59	2.3	0.026 U	15 J	0.56	2.4 J	0.36	0.92	0.37	0.36 U
	05/30/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.44	0.15 U	0.16 U	2.2	0.2 U	1.1	0.51	2.4	0.043 U	19 J	0.45	8.7 J	0.54	0.84	0.31	0.6 U
	06/27/12	Split	0.42	0.068	0.11 U	0.11 U	0.04 U	0.096	0.54	0.092 U	0.22	3.3	0.13	1.4 J	0.63	2.6 J	0.026 U	21	1.3	4.1 J	0.66	2 J	0.8 J	0.36 U
	06/27/12	ORIG	0.26	0.18 U	0.18 U	0.18 U	0.065 U	0.13 U	0.34 J	0.15 U	0.18	2.2	0.2 U	1 J	0.47	1.9 J	0.042 U	20	0.81	3.1 J	0.48	1.3 J	0.44 J	0.59 U
Same Day Surgery Center																								
Same Day Surgery Center Business Office																								
	05/30/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.39	0.16 U	0.17 U	1.2 U	0.2 U	1.1	0.56	2.1	0.044 U	15	0.55	1.8	0.33	0.96	0.36	0.62 U
Supervisors Office																								
	05/30/12	ORIG	0.22 U	0.17 U	0.18 U	0.18 U	0.064 U	0.46	0.41	0.15 U	0.16 U	1.1	0.19 U	1.1	0.49	2.1	0.041 U	16	0.57	48	4.6	3.7	1.6	0.58 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Star City Auto Body																								
Main work area																								
	05/11/04	ORIG	16	3.5	0.74 U	0.74 U	17	0.55 U	0.86 U	0.63 U	0.67 U	4.7 U	0.82 U	13	30	2.3	0.17 U	1100 E	2.6	420	8.6	46	13	2.5 U
	05/11/04	DUP	17	3.6	0.74 U	0.74 U	18	0.55 U	0.86 U	0.63 U	0.67 U	4.8	0.82 U	14	31	2.7	0.17 U	1200 E	3.2	440	9.2	49	14	2.5 U
	09/14/05	ORIG	34	6.5	0.33	0.2 U	16	0.15 U	0.67	0.17 U	0.19	1.5	0.22 U	11	18	1.9	0.047 U	350 E	5.3	38	4.6	21	5.1	0.66 U
	09/14/05	DUP	33	5.5	0.32	0.19 U	16	0.14 U	0.66	0.16 U	0.19	1.5	0.21 U	11	17	2.1	0.045 U	330 E	5	36	4.8	22	5.4	0.63 U
	03/03/09	ORIG	4.2	0.89	0.18 U	0.18 U	0.45	0.13 U	0.49	0.15 U	0.16	1.2	0.19 U	1.8	0.86	2.5	0.041 U	980 E	4.2	25	5.4	19	5.4	0.58 U
	03/31/10	ORIG	12	1.2	0.33	0.18 U	0.87	0.16	0.41	0.15 U	0.22	1.1 U	0.19 U	1.1	1.2	2	0.041 U	290 E	1.5	9.5	1.3	5.2	1.3	0.58 U
	10/07/10	ORIG	0.67	0.35 U	0.53	0.36 U	0.49	0.26 U	0.62	0.3 U	0.32 U	2.3 U	0.39 U	1.9	1.4	2.4	0.084 U	900 E	1.7	18	1.6	5.1	1.7	1.2 U
	03/30/11	ORIG	1.2 U	0.98 U	1 U	1 U	0.36 U	0.74 U	1.2 U	0.84 U	0.89 U	6.4 U	1.1 U	1.7	1.4 U	2.8	0.23 U	1000 E	3.4	33	2.1	6.8	2.3 J	3.3 U
	09/27/11	ORIG	0.56	0.2 U	0.42	0.21 U	0.076 U	0.18	0.46	0.31	0.29	6.2	0.23 U	1.4	0.51	2.5	0.049 U	1200 E	3.9	84	18	68	20	0.69 U
	03/28/12	ORIG	0.23 U	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.68	0.15 U	0.16 U	3.4 J	0.2 U	1.2	0.57	2.4	0.043 U	980 E	2	17	6.9	34	11 J	0.6 U
Rear area of shop																								
	05/11/04	ORIG	6	3.9 U	4 U	4 U	1.6	2.9 U	4.6 U	3.4 U	3.6 U	25 U	4.4 U	4.1 U	5.6 J	3.6 U	0.93 U	5400 E	5.8 U	2400	48	270	78	13 U
	09/14/05	ORIG	23 U	18 U	18 U	18 U	6.7 U	14 U	21 U	15 U	16 U	120 U	20 U	19 U	26 U	17 U	4.3 U	6000	27 U	74	14 U	29 U	14 U	60 U
	03/03/09	ORIG	2.9	0.36 U	0.37 U	0.37 U	0.22	0.27 U	0.51	0.59	0.33 U	2.9	0.4 U	1.7	1.1	2.4	0.086 U	5700 E	2.9	120	17	59	14	1.2
	03/31/10	ORIG	14	0.69	0.88	0.47 U	0.83	0.35 U	0.54 U	0.39 U	0.42 U	3 U	0.51 U	1.3	2.2	2	0.11 U	1100 E	1	140	7.8	35	9.1	1.5 U
	10/07/10	ORIG	0.81	0.18 U	0.29	0.18 U	0.45	0.13 U	0.43	0.15 U	0.18	1.1 J	0.2 U	1.8	1.2	2.4	0.042 U	2400 E	2.4	32	3.1	11	2.7	0.59 U
	03/30/11	ORIG	1 U	0.83 U	0.84 U	0.84 U	0.31 U	0.63 U	0.98 U	0.71 U	0.76 U	5.4 U	0.93 U	1.7	1.2 U	2.3	0.2 U	1100 E	3.2	39	2.5	8.3	2.8 J	2.8 U
	09/27/11	ORIG	2.6 U	2 U	2.1 U	2.1 U	0.76 U	1.5 U	2.4 U	1.8 U	1.9 U	25	2.3 U	2.1 U	2.9 U	1.9 U	0.49 U	9300 E	3.3	240	47	230	75	6.9 U
	03/28/12	ORIG	0.72 U	0.57 U	0.58 U	0.58 U	0.21 U	0.43 U	0.66 J	0.73	0.52 U	5 J	0.64 U	1.2	0.82 U	2.3	0.14 U	4000 E	2.4	46	74	380 J	140 J	1.9 U
Side Office																								
	03/31/10	ORIG	7	0.85	0.35	0.18 U	0.39	0.14 U	0.39	0.15 U	0.16 U	1.2 U	0.2 U	1.1	0.96	2.1	0.043 U	270 E	1.4	9.7	0.98	3.4	1	0.6 U
	10/07/10	ORIG	0.48	0.18 U	0.24	0.19 U	0.27	0.14 U	0.43	0.16 U	0.17	1.2 U	0.2 U	1.9	1.1	2.6	0.044 U	350 E	1	9.9	0.81	2.3	0.77	0.62 U
	03/30/11	ORIG	0.33	0.19 U	0.19 U	0.19 U	0.069 U	0.16	0.5	0.16 U	0.18	1.5	0.21 U	1.6	0.65	2.5	0.045 U	470 E	2	19	1.1	3.6	1.4 J	0.63 U
	09/27/11	ORIG	0.56	0.2 U	0.2 U	0.2 U	0.074 U	0.18	0.5	0.17 U	0.29	4.5	0.22 U	1.4	0.55	2.5	0.048 U	550 E	2	25	5.7	27	8.7	0.67 U
	03/28/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.62	0.16 U	0.17 U	2.2 J	0.2 U	1.2	0.56	2.4	0.044 U	480 E	1.4	10	4.7	23 J	7.6 J	0.62 U
Terra Pave																								
First floor office area																								
	05/11/04	ORIG	110	4.4	0.45	0.2 U	23	0.15 U	0.56	0.17 U	0.24	1.5	0.23	7	26	2.9	0.046 U	41	1.3	10	1.6	5.4	2.1	0.66 U
	09/14/05	ORIG	39	1.6	0.17 U	0.17 U	5.5	0.13 U	0.67	0.14 U	0.21	1.2	0.27	3.4	6.3	2	0.04 U	22	1.1	6.9	0.93	3.5	1	0.57 U
	07/23/08	ORIG	130	5.8	0.19 U	0.19 U	12	0.14 U	0.43	0.16 U	0.4	1.4	0.21 U	3	9	2.3	0.045 U	40	0.84	7.4	0.87	3	1.1	0.63 U
	03/03/09	ORIG	420	18	0.66	0.47 U	56	2.9	0.58	0.39 U	3.3 J	3 U	0.51 U	13	53	2.4	0.11 U	140	1.8	68	1.6	5.3	2.3	1.5 U
	03/03/09	EPA	535.7	19.9	14.2 U	14.2 U	59.4	10.5 U	16.4 U	12 U	12.7 U	9 U	15.6 U	13.5 J	54.4	12.9 U	6.6 U	--	8.3 U	71.6	11.3 U	22.2 U	11.3 U	--
	03/03/09	DUP	420	16	0.46 U	0.46 U	55	0.34 U	0.54	0.39 U	0.73 J	2.9 U	0.5 U	13	50	2.4	0.11 U	140	1.8	68	1.5	5.3	2.2	1.5 U
	07/16/09	SPLIT	52	2.4	0.11 U	0.11 U	4	0.081 U	0.43	0.092 U	0.33	1.3	0.14	1.6	1.6	0.098 U	0.026 U	130	1.7	120	1.1	1.7	1.3	0.35 U

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	07/16/09	ORIG	45	2.1	0.4 U	0.4 U	2.4	0.3 U	0.54	0.34 U	0.36 U	2.5 U	0.44 U	1.8	1.5	2.4	0.094 U	230 E	1.6	120	0.69	1.9	0.68	1.3 U
	07/16/09	DUP	47	2.1	0.21 U	0.21 U	2.6	0.15 U	0.57	0.18 U	0.3	1.3	0.23 U	1.7	1.5	2.4	0.049 U	220 E	1.7	110	0.67	1.9	0.72	0.69 U
	08/25/09	ORIG	23	1.2	0.25 U	0.25 U	1 J	0.19 U	0.52	0.21 U	0.4 J	1.6 U	0.28 U	1.6	1.3	2.6	0.059 U	54 J	1.8 J	17	0.73 J	1.9 J	0.62 J	0.83 U
	08/25/09	DUP	20	1.3	0.2 U	0.2 U	1.5 J	0.15 U	0.57	0.84 U	0.32 J	1.6	1.1 U	1.9	1.5	2.6	0.047 U	78 J	2.3 J	18	0.9 J	2.6 J	1 J	0.66 U
	09/30/09	SPLIT	20	0.91	0.065 J	0.098 U	0.79	0.069	0.63	0.046 J	0.21	56 J	0.09 J	1.4	0.92 J	--	0.046	--	1.5	19	7.4	37	15	--
	09/30/09	ORIG	17 J	0.96	0.2 U	0.2 U	0.74	0.15 U	0.61	0.17 U	0.19 J	2.5 J	0.22 U	1.6	1.4 J	2.9	0.047 U	24 J	1.5	17	3.3 J	13 J	4.6 J	0.66 U
	09/30/09	DUP	49 J	1	0.18 U	0.18 U	0.74	0.13 U	0.62	0.15 U	1 J	2.4 J	0.19 U	1.6	1.4 J	2.8	0.041 U	34 J	1.6	18	4.3 J	20 J	6.9 J	0.58 U
	10/29/09	ORIG	130	5.3	0.2 U	0.2 U	7.5 J	0.14 U	0.53	0.16 U	0.33	2.1	0.22 U	2.4	9.4	2.4	0.046 U	93 E	2.2	24	1.1	3.3	1.2	0.64 U
	10/29/09	DUP	160	6.2	0.25 U	0.25 U	8 J	0.18 U	0.57	0.21 U	0.39	2.4	0.27 U	2.6	10	2.5	0.058 U	96	2.7	26	1.3	3.8	1.4	0.81 U
	11/24/09	ORIG	270	11	0.3 U	0.3 U	24	0.22 U	0.48	0.25 U	0.65	2.8	0.33 U	5.8 J	16	2.5	0.07 U	81	3.4	19	4	14	4.8	0.98 U
	11/24/09	DUP	270	10	0.32 U	0.32 U	23	0.24 U	0.45	0.27 U	0.62	2.8	0.35 U	4.7 J	15	2.5	0.075 U	74	3.2	18	3.7	12	4.1	1 U
	12/28/09	ORIG	540	21	0.62 U	0.62 U	80	0.46 U	0.72 U	0.52 U	0.95	4.9	0.68 U	20	60	2.6	0.14 U	690 E	2.1	16	13	48	16	2 U
	12/28/09	DUP	530	21	0.89 U	0.89 U	78	0.66 U	1 U	0.76 U	0.91	5.7 U	0.99 U	20	58	2.3	0.21 U	670 E	2.1	16	12	45	15	3 U
	01/27/10	ORIG	580	21	0.64 U	0.64 U	67	0.47 U	0.73 U	0.54 U	1.2	4 U	0.7 U	16 J	48	2.4	0.15 U	65	2.6	16	4.5	16	5.8	2.1 U
	01/27/10	DUP	550	20	0.59 U	0.59 U	63	0.43 U	0.68 U	0.49 U	1	3.7 U	0.64 U	16	45	2.2	0.14 U	72	2.6	14	4.2	14	5.1	1.9 U
	02/24/10	SPLIT	790	37	0.16	1.7	100	0.097	0.58	0.092 U	1.8	4	0.25	18	76	2.2	0.026 U	63 J	3.1	22	8.1	34	15	0.35 U
	02/24/10	ORIG	1000	37	1 U	1 U	110	0.78 U	1.2 U	0.89 U	1.6	6.7 U	1.2 U	20	78	0.96 U	0.25 U	81 J	3.9	28	8.6	35	13	3.5 U
	02/24/10	DUP	1000	38	1.7 U	1.7 U	110	1.2 U	2 U	1.4 U	1.5 U	11 U	1.9 U	21	78	1.5 U	0.4 U	83	4	28	8.8	36	14	5.6 U
	03/31/10	SPLIT	30	1.6 J	0.11 U	0.11 U	4.4 J	0.081 U	0.64 J	0.092 U	0.13	0.69 U	0.22	2.4 J	4.2 J	2.6	0.026 U	14 J	0.7 J	1.8 J	0.36 J	1.3 J	0.5 J	0.35 U
	03/31/10	ORIG	30	1.2 J	0.18 U	0.18 U	2.9 J	0.14	0.42 J	0.15 U	0.16 U	1.1 U	0.19 U	1.6 J	3.4 J	2.2	0.041 U	9.6 J	0.53 J	1.2 J	0.22 J	0.53 J	0.18 J	0.58 U
	03/31/10	DUP	30	1.3	0.18 U	0.18 U	2.6	0.17	0.42	0.15 U	0.16 U	1.1 U	0.2 U	1.8	3.6	2.3	0.042 U	5.9 J	0.56	1.3	0.2	0.53	0.18	0.59 U
	04/28/10	SPLIT	20	1.5 J	0.11 U	0.11 U	2.4 J	0.098	0.22 J	0.11	0.13	0.47 J	0.12 U	1.4	2	2.4	0.026 U	15 J	0.53 J	12 J	3.9 J	15 J	5 J	0.35 U
	04/28/10	ORIG	22	1.2 J	0.2 U	0.2 U	1.9 J	0.15 U	0.42 J	0.17 U	0.18 U	3.5 J	0.22 U	1.5	2.2 J	2.4	0.047 U	7.2 J	0.36 J	2.5 J	0.16 UJ	0.32 UJ	0.16 UJ	0.66 U
	04/28/10	DUP	22	1.3	0.21 U	0.21 U	1.6 J	0.15 U	0.37	0.18 U	0.19 U	1.3 U	0.23 U	1.5	2.3 J	2.5	0.049 U	6.7	0.37	0.82 J	0.16 U	0.33 U	0.16 U	0.69 U
	05/27/10	ORIG	640	23	0.7 U	0.7 U	78	0.52 U	0.8 U	0.59 U	1.1	4.4 U	0.77 U	12	53	2.9	0.16 U	49	1.4	6.8	1.3	3.8	1.3	2.3 U
	06/24/10	ORIG	3.5	0.22	0.19 U	0.19 U	0.13	0.14 UJ	0.41	0.16 U	0.17 U	1.8 J	0.2 U	1.7	0.6	2.6	0.044 U	35 J	1.8	8.3	1.2	4.4	1.7	0.62 U
	06/24/10	DUP	3.5	0.22	0.18 U	0.18 U	0.36	0.14 UJ	0.39	0.15 U	0.16 U	2.5 J	0.2 U	1.7	0.63	2.5	0.043 U	34 J	1.8	8.4	1.2	4.5	1.8	0.6 U
	07/01/10	ORIG	3.3	0.22	0.18 U	0.18 U	0.12	0.13 U	0.41	0.15 U	0.22	2.3	0.19 U	1.9	0.63	2.7	0.041 U	73	1.4	7.4	0.67	2.1	0.78	0.58 U
	07/08/10	ORIG	2.2	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.5	0.16 U	0.17 U	2.5 J	0.21 U	1.6	0.66	2.5	0.045 U	530 E	2	7.4	0.63	1.9	0.69	0.63 U
	07/08/10	DUP	2.1	0.19 U	0.19 U	0.19 U	0.069 U	0.14 UJ	0.42	0.16 U	0.17 U	4 J	0.21 U	1.7	0.67	2.5	0.045 U	540 E	1.9	7.3	0.63	1.8	0.7	0.63 U
	07/28/10	ORIG	3.5	0.36	0.17 U	0.17 U	0.37	0.13	0.4	0.16	0.15 U	6.2	0.19 U	1.2	0.47	2	0.044	74	2 J	68 J	2.6 J	8.3	3.3	0.56 U
	07/28/10	DUP	3.8	0.29	0.17 U	0.17 U	0.39	0.13 U	0.38	0.14 U	0.15 U	2.4	0.19 U	1.2	0.54	2	0.04 U	72	1.5 J	6.1 J	1.8 J	7	3	0.57 U
	08/27/10	ORIG	1.7	0.14 U	0.15 U	0.15 U	0.092	0.11 U	0.43	0.12 U	0.21	3.6	0.16 U	1.7 J	0.66	2.2	0.034 U	39	1.8	18	0.87	2.6	0.86	0.48 U
	08/27/10	DUP	1.5	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.41	0.16 U	0.16 J	2.5	0.2 U	1.7 J	0.57	2.2	0.044 U	31	1.3	12	0.65	1.8	0.58	0.62 U
	09/29/10	SPLIT	2.7 J	0.22	1.2 U	1.2 U	0.45 U	0.91 U	1.4 U	1 U	1.1 U	7.8 U	1.4 U	2	1.7 U	2.9	0.29 U	180	3.6	97 J	74	310	120	4.1 U
	09/29/10	ORIG	1.9 J	0.56 U	0.57 U	0.57 U	1.7 J	0.42 U	0.66 U	0.48 U	0.51 U	9.7	0.63 U	2.4 J	1.8	2.7	0.13 U	210	3.9	120 J	78	340	130	1.9 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	09/29/10	DUP	1.9 J	0.56 U	0.57 U	0.57 U	0.34 J	0.42 U	0.66 U	0.48 U	0.51 U	9.4	0.63 U	1.6 J	1.1	2.7	0.13 U	190	3.8	120 J	80	350	140	1.9 U
	10/27/10	ORIG	1.5	0.18 U	0.18 U	0.18 U	0.25	0.13 U	0.44	0.15 U	0.29	16 J	0.2 U	1.6 J	3	2.6	0.042 U	53	2.8	20 J	5.7	28	9.8	0.59 U
	10/27/10	DUP	1.5	0.18 U	0.18 U	0.18 U	0.26	0.13 U	0.46	0.15 U	0.23	4.4 J	0.2 U	2.4 J	3.2	2.7	0.042 U	54	2.8	12 J	5.6	28	9.8	0.59 U
	11/30/10	ORIG	1.2	0.18 U	0.18 U	0.18 U	0.14	0.21	0.44 J	0.15 U	0.2	2.3	0.2 U	1.2	0.6	2.5	0.042 U	34	3.2	16	2.5	10	3.7	0.59 U
	11/30/10	DUP	1.2	0.18 U	0.18 U	0.18 U	0.14	0.19	0.46 J	0.15 U	0.16 U	2.3	0.2 U	1.1	0.62	2.6	0.042 U	34	3.2	16	2.6	10	3.7	0.59 U
	12/28/10	ORIG	1.1 J	0.18 U	0.19 U	0.19 U	0.13	0.21	0.47 J	0.16 U	0.17 U	1.2 U	0.2 U	1.5	0.65	2.6	0.044 U	22	2.4	8.5	1	3.2 J	1.2 J	0.62 U
	12/28/10	DUP	1.4 J	0.15 U	0.16 U	0.16 U	0.19	0.18	0.46 J	0.13 U	0.14 J	1.1	0.21	1.5	0.68	2.6	0.037 U	23	2.8	9.7	1.2	4 J	1.5 J	0.52 U
	01/26/11	ORIG	1.3	0.17 U	0.17 U	0.17 U	0.15	0.13 U	0.48 J	0.14 U	0.21	4.5	0.19 U	1.8	1	2.5	0.04 U	410 E	4.7	25	3.4	14	4.3	0.57 U
	01/26/11	DUP	1.3	0.16 U	0.16 U	0.16 U	0.14	0.12 U	0.46 J	0.14 U	0.18	4.5	0.18 U	1.8	1.1	2.5	0.039 U	410 E	4.8	25	3.5	14	4.4	0.55 U
	02/28/11	ORIG	0.92 J	0.74 U	0.75 U	0.75 U	0.27 UJ	0.56 U	0.86 U	0.63 U	0.67 U	4.8 U	0.83 U	1.8	1 U	2.1	0.18 U	250	1.9	54	3.6	9.9	2.4	2.5 U
	02/28/11	DUP	0.95	0.74 U	0.75 U	0.75 U	0.27 UJ	0.56 U	0.86 U	0.63 U	0.67 U	4.8 U	0.83 U	1.8	1 U	2.1	0.18 U	260	1.9	54	3.7	10	2.4	2.5 U
	03/30/11	SPLIT	3.3 J	0.24	0.11 U	0.11 U	0.27 J	0.11	0.62 J	0.092 U	0.28 J	3.7	0.17	1.6	0.83 J	2.7	0.026 U	60	2.5 J	11	3.1 J	11 J	4.6 J	0.36 U
	03/30/11	ORIG	2.2 J	0.19 U	0.2 U	0.2 U	0.24 J	0.14 U	0.46 J	0.16 U	0.21 J	3.7	0.22 U	1.5	0.63 J	2.4	0.046 U	67	1.9 J	9.8	1.8 J	7 J	2.5 J	0.64 U
	04/29/11	ORIG	0.73	0.18 U	0.18 U	0.18 U	0.094	0.15	0.45 J	0.15 U	0.16 U	4.9	0.2 J	2.2 J	0.93	2.9	0.042 U	32	1.1	5.6	0.71	2.1	0.7	0.59 U
	05/31/11	ORIG	2.7	0.17 U	0.18 U	0.18 U	0.29	0.13 UJ	0.53 J	0.15 U	0.23	1.1 U	0.19 U	1.3	0.75	2.6	0.041 U	22	1.4	5.4	0.61	1.9	0.69 J	0.58 U
	06/29/11	ORIG	0.59	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.34	0.15 U	0.16 U	1.2 U	0.2 UJ	0.86	0.38	1.6	0.043 U	53	0.69	5.8	0.58	1.9	0.63	0.6 U
	07/27/11	SPLIT	0.81	0.081	0.11 U	0.11 U	0.084	0.089	0.6	0.092 U	0.11	0.69 U	0.25	1.3	0.56	2.9	0.026 U	31 E	0.68	5.5 J	0.88 J	2.8 J	1.1 J	0.36 U
	07/27/11	ORIG	0.78	0.17 U	0.17 U	0.17 U	0.063	0.13 U	0.49 J	0.14 U	0.15 U	1.1 U	0.19 UJ	1.3	0.54	2.4	0.04 U	45 J	0.59	3.9 J	0.49 J	1.4 J	0.39 J	0.57 U
	08/31/11	ORIG	1.2	0.17 U	0.18 U	0.18 U	0.077	0.13 U	0.59	0.15 U	0.16 U	1.1 U	0.19 UJ	2.1	0.61	3	0.041 U	30	0.85	18	5.7	27	9.6	0.58 U
	09/27/11	SPLIT	1.3	0.17	0.11 U	0.3	0.085	0.093	0.56	0.092 U	0.43 J	1.9	0.23	1.5	0.69 J	3.1 J	0.026 U	54	2	12 J	2.5 J	11 J	5.4 J	0.36 U
	09/27/11	ORIG	1.3	0.18 U	0.19 U	0.19 U	0.068 U	0.15	0.46	0.16 U	0.29 J	1.6	0.2 U	1.6	0.53 J	2.3 J	0.044 U	66	1.8	8.5 J	1.8 J	6.4 J	2.8 J	0.62 U
	12/21/11	SPLIT	1.3 J	0.12	0.11 U	0.11 U	0.058	0.082 J	0.63	0.092 U	0.2	0.83	0.12	1.6 J	0.81	2.9	0.026 U	37 J	3	12	4 J	14 J	5.6 J	0.36 U
	12/21/11	ORIG	0.74 J	0.19 U	0.19 U	0.19 U	0.07 U	0.22 J	0.72	0.16 U	0.19	1.2 U	0.21 U	1.3 J	0.68	2.6	0.045 U	29 J	2.9	11	2.9 J	11 J	3.9 J	0.63 U
	03/28/12	SPLIT	0.36	0.094	0.11 U	0.11 U	0.058	0.11	0.56 J	0.092 U	0.18	0.69 U	0.13	1.4	0.63	2.4 J	0.026 U	12 J	1.6 J	5.6	1.1 J	3.8 J	1.4 J	0.36 U
	03/28/12	ORIG	0.3	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.77 J	0.16 U	0.18	1.2 UJ	0.2 U	1.3	0.56	2.4 J	0.044 U	15 J	1.1 J	4.9	0.75 J	2.6 J	0.9 J	0.62 U
	06/27/12	Split	0.36	0.063	0.11 U	0.11 U	0.04 U	0.073	0.52	0.092 U	0.13	0.69 U	0.12 U	1.4	0.64	2.7 J	0.026 U	24 J	0.66	2.2 J	0.42	1 J	0.46	0.36 U
	06/27/12	ORIG	0.36	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.4 J	0.16 U	0.17	1.2 U	0.21 U	1.2	0.51	2 J	0.044 U	16 J	0.86	3.2 J	0.51	1.5 J	0.56	0.62 U
Maintenance Shop																								
	07/23/08	ORIG	26	1.4	0.2 U	0.2 U	2.1	0.14 U	0.44	0.16 U	0.18	3.7	0.21 J	1.6	2.6	2.2	0.046 U	25	1.6	11	2.2	8.6	2.9	0.64 U
	07/23/08	EPA	48.13 J	4.83 U	4.91 U	4.91 U	4.36 J	3.64 U	5.66 U	4.14 U	4.39 U	6.25 J	5.41 U	5.06 U	6.9 U	4.45 U	2.3 U	--	2.87 U	15.81	3.91 U	9.99 J	3.91 U	--
	03/03/09	ORIG	42	15 U	15 U	15 U	11 U	11 U	17 U	12 U	13 U	9.5 U	16 U	15 U	21 U	14 U	7 U	5600 E	8.7 U	2600	12 U	18	12 U	9.9 U
	07/16/09	ORIG	22	3.8 U	3.8 U	3.8 U	1.7	2.8 U	4.4 U	3.2 U	3.4 U	24 U	4.2 U	3.9 U	5.4 U	3.5 U	0.89 U	2700 E	5.6 U	1700	3 U	6.1 U	3 U	13 U
	08/25/09	ORIG	12	1.7 U	1.7 U	1.7 U	0.61	1.2 U	2 U	1.4 U	1.5 U	11 U	1.9 U	1.9	2.4 U	2.7	0.4 U	1500 E	4.7	720	2.4	7	2.3	5.6 U
	09/30/09	ORIG	29	1.9	0.19 U	0.19 U	2	0.14 U	0.57	0.16 U	0.17 U	7.4	0.48	1.7	2.3 J	2.5	0.045 U	130 E	8.6	100	28	120	52	0.63 U
	10/29/09	ORIG	36	2	0.86 U	0.86 U	2.2 J	0.64 U	0.99 U	0.73 U	0.77 U	6.2	0.95 U	1.9	6.2	2.5	0.2 U	890 E	3	490	2.8	8.8	3.3	2.8 U
	11/24/09	ORIG	25	1.3	0.2 U	0.2 U	2	0.14 U	0.47	0.16 U	0.17 U	4	0.22 U	1.5	2.1	2.5	0.046 U	64	6.9	36	8.4	33	11	0.64 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	12/28/09	ORIG	63	3.3	1 U	1 U	6.4	0.76 U	1.2 U	0.86 U	0.91 U	9.4	1.1 U	3.2	5.3	2.4	0.24 U	1900 E	1.9	25	48	200	73	3.4 U
	01/27/10	ORIG	24	1.3	0.21 U	0.21 U	2.2	0.15 U	0.48	0.18 U	0.19 U	5.6	0.23 U	2	2	2.5	0.049 U	28	2.4	17	6	25	8.9	0.69 U
	02/24/10	ORIG	11	0.89	0.21 U	0.21 U	1.1	0.16 U	0.54	0.18 U	0.19 U	3.3	0.23 U	1.6	1.3	2.8 J	0.05 U	1000 E	2.6	38	4.5	20	8	0.7 U
	03/31/10	ORIG	19	1	0.18 U	0.18 U	1.6	0.2	0.41	0.15 U	0.16 U	7.2	0.2 U	1.3	1.8	2	0.042 U	25	5.3	38	4.3	18	5	0.59 U
	04/28/10	ORIG	46	2.2	0.15 U	0.15 U	3 J	0.11 U	0.41	0.12 U	0.16	8.7	0.16 U	1.7	2.7 J	2.2	0.035 U	34	1.6	9	0.98	3.5	1.1	0.49 U
	05/27/10	ORIG	7.9	0.48	0.19 U	0.19 U	1.2	0.14 U	0.52	0.16 U	0.17 U	4.5	0.2 U	1.9	1.6	2.8	0.044 U	140 E	2.3	19	3.7	15	5.1	0.62 U
	06/18/10	ORIG	2.5 U	2 U	2 U	2 U	0.74 U	1.5 U	2.4 U	1.7 U	1.8 U	13	2.2 U	2.1 U	2.9 U	2.2	0.48 U	1300 E	35	620	64	260	61	6.7 U
	06/24/10	ORIG	0.68	0.18 U	0.18 U	0.18 U	0.066	0.13 UJ	0.42	0.15 U	0.16 U	4.4	0.2 U	1.6	0.54	2.6	0.058	48 J	6.7	37	6.1	36	17	0.59 U
	07/01/10	ORIG	5.9 U	4.7 U	4.8 U	4.8 U	3.5 U	3.5 U	5.5 U	4 U	4.3 U	4.8	5.3 U	4.9 U	6.7 U	4.3 U	2.2 U	380	9.7	21	3.8 U	12	4.5	3.2 U
	07/08/10	ORIG	0.56	0.35 U	0.36 U	0.36 U	0.13 U	0.26 UJ	0.58	0.3 U	0.32 U	5	0.39 U	1.7	0.73	2.4	0.084 U	1000 E	3.8	13	1	3.1	1.1	1.2 U
	07/28/10	ORIG	0.58	0.18 U	0.18 U	0.18 U	0.067 U	0.37	0.44	0.15 U	0.21	3	0.2 U	1.2	0.4	2.1	0.043 U	41	2.1	12	3.6	14	6.2	0.6 U
	08/27/10	ORIG	0.66	0.19 U	0.19 U	0.19 U	0.077	0.14 U	0.41	0.16 U	0.17 U	8.7	0.21 U	1.6 J	0.69	2.3	0.045 U	45	2.2	32	1.7	6.1	1.9	0.63 U
	09/29/10	ORIG	0.65	0.36 U	0.37 U	0.37 U	0.18	0.27 U	0.44	0.31 U	0.33 U	4.2	0.4 U	1.9	1.2	2.8	0.086 U	710 E	2.4	12	8.9	43	17	1.2 U
	10/27/10	ORIG	0.33	0.18 U	0.18 U	0.18 U	0.12	0.13 U	0.41	0.15 U	0.16 U	3.9	0.2 U	1.5	3	2.5	0.042 U	96 E	2	7.9	5.3	31	12	0.59 U
	11/30/10	ORIG	0.47	0.18 U	0.18 U	0.18 U	0.065 U	0.21	0.42 J	0.15 U	0.16 U	2.6	0.2 U	1	0.5	2.4	0.042 U	300 E	3.8	18	4.2	18	6.2	0.59 U
	12/28/10	ORIG	0.74	0.16 U	0.16 U	0.16 U	0.072	0.18	0.47 J	0.14 U	0.14 U	3.6	0.18 U	1.4	0.57	2.5	0.038 U	48	3.5	20	3.6	15	4.5	0.54 U
	01/26/11	ORIG	0.55	0.22 U	0.23 U	0.23 U	0.083 U	0.17 U	0.49 J	0.19 U	0.2 U	3.7	0.25 U	1.5	0.62	2.4	0.054 U	760 E	10	130	8.8	36	9.3	0.76 U
	02/28/11	ORIG	58 U	46 U	47 U	47 U	34 U	35 U	54 U	39 U	42 U	30 U	51 U	48 U	66 U	42 U	22 U	8700 E	27 U	2200	91	260	48	31 U
	03/30/11	ORIG	0.54	0.17 U	0.18 U	0.18 U	0.064 U	0.23	0.49	0.15 U	0.17	3.1	0.19 U	1.4	0.54	2.3	0.041 U	300 E	6.4	29	4.4	20	6	0.58 U
	04/29/11	SPLIT	0.46 J	0.055	0.11 U	0.11 U	0.046	0.081 U	0.55	0.092 U	0.14	8.1	0.12 J	1.6 J	0.73	2.6	0.026 U	28 J	3.3	24 J	6.6 J	27 J	11 J	0.46
	04/29/11	ORIG	0.32 J	0.18 U	0.18 U	0.18 U	0.067 U	0.19	0.44 J	0.15 U	0.16 U	7.8	0.2 J	2 J	0.65	2.8	0.043 U	40 J	3.1	18 J	2.6 J	10 J	3 J	0.6 U
	05/31/11	SPLIT	2.1 J	0.14	0.11 U	0.11 U	0.13	0.097	0.62	0.092 U	0.28	0.78	0.24	1.2	0.73	2.6	0.026 U	21 J	2.8	29	2.1 J	7.7 J	3.3	0.36 U
	05/31/11	ORIG	1.5 J	0.19 U	0.2 U	0.2 U	0.12	0.14 UJ	0.52 J	0.16 U	0.25	1.2 U	0.22 U	1.3	0.66	2.5	0.046 U	29 J	2.5	25	1.2 J	4.4 J	1.6 J	0.64 U
	06/29/11	Split	0.51 J	0.065	0.11 U	0.11 U	0.04 U	0.12	0.63 J	0.092 U	0.13	0.69 U	0.14	1.3	0.62	0.86 J	0.026 U	41	2.4 J	16	4.4 J	14 J	6.7 J	0.36 U
	06/29/11	ORIG	0.37 J	0.18 U	0.18 U	0.18 U	0.065 U	0.13 U	0.45 J	0.34	0.16 U	1.2	0.2 UJ	1.2	0.56	2.4 J	0.042 U	34	3 J	13	2.1 J	7.4 J	2.5 J	0.59 U
	07/27/11	ORIG	0.57	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.53 J	0.54	0.17 U	1.4	0.21 UJ	1.4	0.58	2.6	0.045 U	100 E	7	36	6.1	25	8	0.63 U
	08/31/11	Split	1.1	0.11	0.48 U	0.48 U	0.17 U	0.35 U	0.55 U	0.49	0.43 U	3 U	0.53 U	2.1	0.75	2.7	0.11 U	68 J	3.3	180	72 J	300	150 J	1.6 U
	08/31/11	ORIG	1	0.47 U	0.48 U	0.53	0.17 U	0.35 U	0.58	0.4 U	0.43 U	3 U	0.53 UJ	2	0.67	3	0.11 U	93 J	3	160	54 J	250	98 J	1.6 U
	09/27/11	ORIG	0.92	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.46	0.2	0.32	1.7	0.21 U	1.7	0.56	2.5	0.045 U	120 E	2.2	13	3.1	13	4.8	0.63 U
	12/21/11	ORIG	0.46	0.18 U	0.18 U	0.18 U	0.067 U	0.17	0.71	0.16 U	0.17 U	1.2 U	0.2 U	1.3	0.61	2.6	0.043 U	290 E	4.4	24	27	110	42	0.61 U
	03/28/12	ORIG	0.38	0.17 U	0.17 U	0.17 U	0.061 U	0.14	0.74	0.14 U	0.17	1.1 J	0.19 U	1.3	0.63	2.4	0.04 U	33	3.1	52	10	47	15 J	0.56 U
	06/27/12	ORIG	0.78	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.37 J	0.16 U	0.17 U	1.2 U	0.21 U	1.2	0.51	2.1	0.044 U	29	3	16	3.9	15	6.3	0.62 U
Second floor office area																								
	05/11/04	ORIG	100	4	0.49	0.2 U	21	0.15 U	0.62	0.17 U	0.23	1.4	0.22 U	6.9	26	2.6	0.046 U	43	1.4	8.7	1.5	5.5	2.1	0.66 U
	09/14/05	ORIG	45	1.7	0.2 U	0.2 U	6	0.15 U	0.63	0.17 U	0.21	1.3	0.22 U	3.4	6.8	1.5	0.047 U	37	1.2	6.5	0.95	3.3	0.96	0.66 U
	07/23/08	ORIG	140	5.9	0.19 U	0.19 U	12	0.14 U	0.44	0.16 U	0.43	1.5	0.21 U	3.1	10	2.3	0.045 U	37	0.88	7	0.88	3.1	1.1	0.63 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	03/03/09	ORIG	330	12	0.52 U	0.52 U	41	0.39 U	0.6 U	0.44 U	0.59	3.3 U	0.57 U	11	37	2.5	0.12 U	110	2	49	1.5	4.9	2	1.7 U
	07/16/09	ORIG	47	2.1	0.19 U	0.19 U	2.6	0.14 U	0.55	0.16 U	0.31	1.4	0.21 U	2	1.6	2.4	0.045 U	180 E	1.7	89	0.65	2	0.7	0.63 U
	08/25/09	ORIG	18	1.1	0.16 U	0.16 U	0.92	0.12 U	0.54	0.14 U	0.33	1.5	0.18 U	1.6	1.2	2.6	0.039 U	54	1.9	13	0.81	2.4	0.78	0.55 U
	09/30/09	ORIG	39	1.7	0.19 U	0.19 U	1.4	0.14 U	0.64	0.16 U	0.22	4.2	0.2 U	1.7	1.8 J	2.9	0.044 U	34	2.1	28	7.3	38	13	0.62 U
	10/29/09	ORIG	95	3.8	0.19 U	0.19 U	4.7 J	0.14 U	0.43	0.16 U	0.28	1.9	0.2 U	2	8.1	2.4	0.044 U	79	2.1	22	1	3	1.1	0.62 U
	11/24/09	ORIG	240	9.5	0.35 U	0.35 U	19	0.26 U	0.42	0.3 U	0.61	3.2	0.39 U	4.2	14	2.4	0.082 U	84	3.1	19	4.2	14	5	1.2 U
	12/28/09	ORIG	520	20	0.89 U	0.89 U	57	0.66 U	1 U	0.76 U	0.97	8.6	0.99 U	14	39	2.2	0.21 U	2300 E	2.8	34	39	150	47	3 U
	01/27/10	ORIG	540	20	0.81 U	0.81 U	59	0.6 U	0.94 U	0.68 U	1.1	5.3	0.9 U	14	40	2.2	0.19 U	86	3.7	40	6.6	23	8.3	2.7 U
	02/24/10	ORIG	970	36	1.4 U	1.4 U	100	1.1 U	1.6 U	1.2 U	1.8	9.2 U	1.6 U	20	74	2.8 J	0.34 U	110	5	37	12	48	19	4.7 U
	03/31/10	ORIG	48	1.8	0.2 U	0.2 U	3.6	0.15 U	0.42	0.17 U	0.18 U	1.3 U	0.22 U	1.8	4.2	2.2	0.047 U	13	0.51	1.4	0.2	0.56	0.2	0.66 U
	04/28/10	ORIG	62	2.9	0.2 U	0.2 U	4.7 J	0.15 U	0.42	0.17 U	0.18 U	1.3 U	0.22 U	2	4.4 J	2.4	0.047 U	12	0.43	1.2	0.16	0.45	0.16	0.66 U
	05/27/10	ORIG	660	24	0.7 U	0.7 U	85	0.52 U	0.81 U	0.59 U	1.2	5.7	0.78 U	12	54	2.9	0.16 U	54	1.9	11	2	6.1	2	2.3 U
	06/24/10	ORIG	3.9	0.24	0.19 U	0.19 U	0.43	0.14 UJ	0.4	0.16 U	0.17 U	2.6	0.21 U	1.8	0.59	2.5	0.045 U	43 J	3.2	16	2.4	11	4.3	0.63 U
	07/01/10	ORIG	3.4	0.36 U	0.37 U	0.37 U	0.17	0.27 U	0.42 J	0.31 U	0.33 U	3.2	0.4 U	2.1	0.71	2.5	0.086 U	120	3	9.1	0.98	3	1.2	1.2 U
	07/08/10	ORIG	1.5	0.25 U	0.26 U	0.26 U	0.093 U	0.19 UJ	0.42	0.22 U	0.23 U	4	0.28 U	1.6	0.64	2.5	0.06 U	770 E	3.2	12	0.95	2.9	1	0.84 U
	07/28/10	ORIG	4	0.29	0.18 U	0.18 U	0.24	0.14 U	0.38	0.15 U	0.16 U	3.9	0.2 U	1.4	0.54	2	0.043 U	150 E	1.9	9.2	2.8	11	4.6	0.6 U
	08/27/10	ORIG	2	0.22 U	0.22 U	0.22 U	0.08 U	0.16 U	0.4	0.18 U	0.2 U	3.4	0.24 U	1.8 J	0.59	2.1	0.051 U	42	1.5	16	0.83	2.4	0.96	0.72 U
	09/29/10	ORIG	2.4	0.88 U	0.89 U	0.89 U	0.54	0.66 U	1 U	0.76 U	0.8 U	17	0.99 U	2.9	1.4	2.5	0.21 U	320	5.6	200	130	520	200	3 U
	10/27/10	ORIG	1.3	0.18 U	0.18 U	0.18 U	0.24	0.14 U	0.43	0.15 U	0.25	12	0.2 U	2.4	3	2.5	0.043 U	56	2.5	16	5.2	27	9.3	0.6 U
	11/30/10	ORIG	1	0.18 U	0.18 U	0.18 U	0.12	0.16	0.42 J	0.15 U	0.16 U	2.4	0.2 U	1.1	0.61	2.5	0.042 U	34	3	16	2.5	10	3.6	0.59 U
	12/28/10	ORIG	1.4	0.14	0.14 U	0.14 U	0.25	0.17	0.5 J	0.12 U	0.14	1.3	0.21	1.6	0.7	2.5	0.034 U	30	2.9	13	1.5	5	1.6	0.48 U
	01/26/11	ORIG	1.3	0.2 U	0.2 U	0.2 U	0.14	0.15 U	0.52 J	0.17 U	0.31	4.1	0.22 U	1.8	0.98	2.6	0.048 U	410 E	4.5	25	3.3	13	4.2	0.67 U
	02/28/11	ORIG	0.68	0.34 U	0.34 U	0.34 U	0.14 J	0.25 U	0.4	0.29 U	0.3 U	2.2 U	0.38 U	1.7	0.66	2.3	0.08 U	130	1.5	27	2	5.4	1.4	1.1 U
	03/30/11	ORIG	1.1	0.18 U	0.18 U	0.18 U	0.16 J	0.17	0.52	0.15 U	0.2	2.8	0.2 U	1.7	0.75	2.6	0.042 U	39	1.7	7.5	1.2	4.1	1.4	0.59 U
	04/29/11	ORIG	0.68	0.18 U	0.18 U	0.18 U	0.081	0.16	0.39 J	0.15 U	0.16 U	4.5	0.2 J	2.2 J	0.9	2.9	0.042 U	31	1.2	6.3	0.68	2	0.67	0.59 U
	05/31/11	ORIG	2.4	0.19	0.19 U	0.19 U	0.24	0.14 UJ	0.52 J	0.16 U	0.23	1.2 U	0.2 U	1.3	0.74	2.6	0.044 U	20	1.4	5.7	0.62	2	0.72 J	0.62 U
	06/29/11	ORIG	0.8	0.18 U	0.18 U	0.18 U	0.066 U	0.13 U	0.48	0.15 U	0.16 U	1.2 U	0.2 UJ	1.3	0.56	2.3	0.042 U	58	1.1	6.7	0.8	2.6	1	0.6 U
	07/27/11	ORIG	0.86	0.16 U	0.16 U	0.16 U	0.079	0.12 U	0.56 J	0.14 U	0.14 U	1 U	0.18 UJ	1.5 J	0.59	2.7	0.038 U	44	0.63	3.8	0.55	1.8	0.61	0.54 U
	08/31/11	ORIG	1.1	0.18 U	0.18 U	0.18 U	0.089	0.13 U	0.61	0.15 U	0.16 J	1.1 U	0.2 UJ	2.1	0.66	2.9	0.042 U	27	0.91	24	8	36	13	0.59 U
	09/27/11	ORIG	0.88	0.18 U	0.19 U	0.19 U	0.09	0.14 U	0.5	0.16 U	0.3	2.1	0.2 U	1.6	0.6	2.6	0.044 U	47	1.8	6.8	1.3	4.5	2.1	0.62 U
	12/21/11	ORIG	0.53	0.18 U	0.18 U	0.18 U	0.067 U	0.2	0.71	0.16 U	0.16	1.2 U	0.2 U	1.3	0.67	2.6	0.043 U	19	2.3	8.3	1.8	6.4	2.3	0.61 U
	03/28/12	ORIG	0.24	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.77	0.16 U	0.17 U	1.2 UJ	0.21 U	1.3	0.58	2.5	0.045 U	10	1	3.3	0.55	1.8	0.63 J	0.63 U
	06/27/12	ORIG	0.31	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.38 J	0.16 U	0.18	1.2 U	0.2 U	1.1	0.51	2.1	0.043 U	14	0.8	9	1.6	5.1	1.5	0.61 U
Women and Children's Crisis Shelter																								
First Floor Great Room																								
	05/27/10	ORIG	8	0.78	0.19 U	0.19 U	4.6 J	0.14 U	0.5	0.16 U	0.17 U	1.2 U	0.2 U	2	2 J	2.8	0.044 U	11	0.55	1.8	0.24	0.58	0.2	0.62 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	07/01/10	ORIG	4.3	0.4	0.17 U	0.17 U	1.6	0.25	0.29	0.14 U	0.23	2.3	0.19 U	1.8	0.87	2.5	0.04 U	52	0.87	29	2.8	21	3	0.56 U
	07/28/10	ORIG	4.7	0.47	0.2 U	0.2 U	1.4	0.15 U	0.37	0.17 U	0.18 U	1.3 U	0.22 U	1.3	0.74	2	0.047 U	17	0.57	1.8	0.39	0.96	0.3	0.66 U
	08/27/10	ORIG	3.9	0.23	0.2 U	0.2 U	1.1	0.14 U	0.43	0.16 U	0.17 U	1.2 U	0.22 U	1.6	0.74	2.1	0.046 U	16	0.8	2.5	0.36	0.78	0.36	0.64 U
	10/07/10	ORIG	5.8	0.28	0.19 U	0.19 U	1.1	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	2	0.88	2.8	0.045 U	16	0.6	1.8	0.21	0.52	0.16	0.63 U
	10/27/10	ORIG	3.1	0.14	0.15 U	0.15 U	0.28	0.11 U	0.44	0.12 U	0.13 U	1	0.16 U	1.8	1.1	2.6	0.035 U	9.4	0.94	2.5	0.35	1	0.33	0.49 U
	11/30/10	ORIG	15	0.6	0.19 U	0.19 U	2.6	0.14 U	0.32 J	0.16 U	0.17 U	1.2 U	0.2 U	1	0.84	1.7	0.044 U	1200 E	1	2.5	0.49	1.5	0.51	0.62 U
	12/28/10	ORIG	4.8	0.39	0.15 U	0.15 U	0.5	0.19	0.49 J	0.12 U	0.17	0.95	0.16 U	1.6	0.86	2.6	0.034 U	19	4.3	12	1.2	3.6	0.97	0.48 U
	01/26/11	ORIG	2.9	0.17 J	0.17 U	0.17 U	0.21	0.2	0.33 J	0.14 U	0.16	1.2	0.19 U	1.6	0.6	2.6	0.04 U	23	1.4	5.2	0.65	2	0.81	0.57 U
	02/28/11	ORIG	2	0.19 U	0.2 U	0.2 U	0.32 J	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.4	0.7	2.5	0.046 U	9.9	0.97	2.2	0.35	1	0.34	0.64 U
	03/30/11	ORIG	5.3	0.29 J	0.3 U	0.3 U	3.1	0.22 U	0.48	0.25 U	0.26 U	1.9 U	0.33 U	1.8	2	2.4	0.07 U	17	1.2	4	0.61	1.8	0.56 J	0.98 U
	04/29/11	ORIG	4.9	0.22	0.18 U	0.18 U	0.68	0.15	0.48	0.15 U	0.16 U	1.1 U	0.2 UJ	2.4	1.6	3.2	0.042 U	12	0.48	1.6	0.16	0.35	0.14 U	0.59 U
	05/31/11	ORIG	3.4	0.19 U	0.19 U	0.19 U	0.49	0.14 UJ	0.54 J	0.16 U	0.17	1.2 U	0.21 U	1.3	0.99	2.6	0.045 U	14	0.99	3.1	0.42	1.2	0.43 J	0.63 U
	06/29/11	ORIG	4.2	0.2	0.16 U	0.16 U	0.46	0.12 U	0.49	0.14 U	0.15 U	1 U	0.18 UJ	1.3	0.85	2.4	0.038 U	25	0.57	1.8	0.31	0.91	0.44	0.54 U
	07/27/11	ORIG	6	0.3	0.17 U	0.17 U	0.85	0.13 U	0.5	0.14 U	0.15 U	1.1 U	0.19 UJ	1.4 J	1	2.5	0.04 U	10	0.32	1	0.18	0.52	0.19	0.57 U
	08/31/11	ORIG	6.1	0.32	0.18 U	0.18 U	0.9	0.14 U	0.68	0.15 U	0.26	1.6	0.2 UJ	2.2	1.3	3.2	0.043 U	20	0.52	1.6	0.23	0.59	0.22	0.6 U
	09/27/11	ORIG	5.3	0.37	0.19 U	0.19 U	5	0.14	0.44	0.16 U	0.31	2	0.2 U	3.6	1.1	2.4	0.044 U	31	1.7	5.6	1.7	8.8	5.5	0.62 U
	10/28/11	SPLIT	3.5 J	0.31 J	0.11 U	0.11 U	0.51 J	0.11	0.69 J	0.092 U	0.42 J	1.8	0.42	1.6	1.3 J	2.1	0.026 U	29 J	3.9 J	14 J	2.9 J	11 J	3.9 J	0.36 U
	10/28/11	ORIG	2.4 J	0.21 J	0.2 U	0.2 U	0.31 J	0.16	0.52 J	0.16 U	0.61 J	1.2 U	0.46	1.4 J	0.76 J	2.5	0.046 U	120 E	1.9 J	6.4 J	0.94 J	3.5 J	1.3 J	0.64 U
	11/30/11	SPLIT	2 J	0.21 J	0.62	0.11 U	0.19 J	0.37 J	0.93 J	0.092 U	0.46	1.4	0.29	2.3 J	1.3	3.7 J	0.026 U	31 J	3.2 J	13 J	2.3 J	7.2 J	2.3 J	0.36 U
	11/30/11	ORIG	3.9 J	0.38 J	0.19 U	0.19 U	0.53 J	0.18 J	0.49 J	0.16 U	0.36	1.7	0.21 UJ	1.6 J	1.3	2.4 J	0.045 U	39 J	2.4 J	8.1 J	1.3 J	4.3 J	1.6 J	0.63 U
	03/28/12	ORIG	0.44	0.18 U	0.19 U	0.19 U	0.095	0.14 U	0.76	0.16 U	0.17 U	1.2 UJ	0.2 U	1.3	0.58	2.4	0.044 U	8.4	1.1	3	0.44	1.5	0.52 J	0.62 U
	04/30/12	ORIG	0.47	0.18 U	0.19 U	0.19 U	0.2	0.14 U	0.43	0.16 U	0.17 U	1.2 U	0.2 U	1.1	0.58	0.17 U	0.044 U	15	0.51	1.2	0.18	0.54	0.26	0.62 U
	05/30/12	ORIG	0.28	0.18 U	0.19 U	0.19 U	0.068 U	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.2 U	1.1	0.51	2.2	0.044 U	10	0.4	1.2	0.22	0.59	0.24	0.62 U
	06/27/12	ORIG	0.38	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.37 J	0.16 U	0.17	1.2 U	0.2 U	1.1	0.55	2.2	0.043 U	11	0.78	2.6	0.4	1.1	0.41	0.61 U
First Floor Office (Northwest Corner of Building)																								
	05/27/10	ORIG	13	1	0.17 U	0.17 U	7.9 J	0.13 U	0.55	0.14 U	0.15 U	1.1 U	0.19 U	2.6	3.1 J	2.9	0.04 U	26	0.53	1.8	0.25	0.6	0.2	0.57 U
	07/01/10	ORIG	8.9	0.65	0.19 U	0.19 U	4	0.14 U	0.45	0.16 U	0.2	1.4	0.2 U	2.2	1.5	2.8	0.044 U	36	0.88	2.5	0.24	0.51	0.27	0.62 U
	07/28/10	ORIG	4.5	0.44	0.2 U	0.2 U	1.4	0.14 U	0.22 U	0.16 U	0.17 U	1.2 U	0.22 U	1.3	0.79	2.1	0.046 U	39	0.61	1.9	3.2	8.3	1.7	0.64 U
	08/27/10	ORIG	4.6	0.23	0.18 U	0.18 U	0.53	0.13 U	0.44	0.15 U	0.16 J	1.1 U	0.2 U	1.6	0.74	2.2	0.042 U	20	0.79	2.3	0.3	0.7	0.25	0.59 U
	10/07/10	ORIG	6	0.27	0.19 U	0.19 U	1.3	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.9	0.86	2.6	0.045 U	20	0.74	1.9	0.24	0.62	0.22	0.63 U
	10/27/10	ORIG	1.9	0.18 U	0.18 U	0.18 U	0.14	0.13 U	0.4	0.15 U	0.16 U	1.2	0.2 U	1.8	0.88	2.6	0.042 U	14	0.69	4.8	0.17	0.3	0.14 U	0.59 U
	11/30/10	ORIG	24	18 U	18 U	18 U	13 U	14 U	21 U	15 U	16 U	12 U	20 U	19 U	26 U	2.8 J	8.6 U	67	2.4 J	4.1 J	14 U	2.2 J	14 U	12 U
	12/28/10	ORIG	3.9	0.19	0.16 U	0.16 U	0.46	0.17	0.48 J	0.13 U	0.14 U	1 U	0.17 U	1.6	0.85	2.7	0.037 U	13	1.3	3.8	0.48	1.3	0.42	0.52 U
	01/26/11	ORIG	3.5	0.19	0.19 U	0.19 U	0.28	0.2	0.34 J	0.16 U	0.17 U	1.2	0.21 U	1.6	0.62	2.6	0.045 U	19	1.4	4.6	0.63	1.8	0.55	0.63 U
	02/28/11	ORIG	2.4	0.18 U	0.18 U	0.18 U	0.39 J	0.13 J	0.42	0.15 U	0.16 U	2.9	0.2 U	1.7	0.72	2.5	0.042 U	11	1	2.6	0.4	1.2	0.4	0.59 U
	03/30/11	ORIG	4.1	0.24	0.17 U	0.17 U	0.6 J	0.13 U	0.5	0.14 U	0.21	2.1	0.19 U	1.6	1	2.6	0.04 U	20	1.2	7	0.6	1.5	0.48 J	0.57 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	04/29/11	ORIG	3.4 J	0.35 J	0.15 UJ	0.15 UJ	0.53 J	0.24 J	0.44 J	0.12 UJ	0.19 J	1.8 J	0.16 UJ	2 J	1.1 J	2.9 J	0.034 UJ	26 J	0.73 J	14 J	0.65 J	1.1 J	0.33 J	0.48 UJ
	05/31/11	ORIG	3.7	0.18 U	0.19 U	0.19 U	0.46	0.14 UJ	0.53 J	0.16 U	0.2	1.2 U	0.2 U	1.3	0.96	2.6	0.044 U	14	1	3.2	0.44	1.3	0.45 J	0.62 U
	06/29/11	ORIG	4.3	0.19	0.18 U	0.18 U	0.39	0.14 U	0.48	0.15 U	0.16 U	1.2 U	0.2 UJ	1.2	0.77	2.2	0.043 U	26	0.49	1.6	0.28	0.86	0.31	0.6 U
	07/27/11	ORIG	16	0.74	0.16 U	0.16 U	2.2	0.12 U	1.3 J	0.14 U	0.3	1.9	0.18 UJ	3.2 J	2.6	6.2	0.039 U	28	0.79	2.7	0.44	1.3	0.47	0.55 U
	08/31/11	ORIG	6.1	0.31	0.18 U	0.18 U	0.84	0.14 U	0.61	0.16 U	0.17	1.2 U	0.2 UJ	2.1	1.2	3	0.043 U	17	0.5	1.6	0.22	0.6	0.23	0.61 U
	09/27/11	ORIG	5.6	0.39	0.19 U	0.19 U	5.2	0.14	0.49	0.16 U	0.36	2.4	0.21 U	4.1	1.3	2.5	0.045 U	34	1.7	5.5	1.6	8.1	5	0.63 U
	10/28/11	ORIG	2.4	0.2	0.19 U	0.19 U	0.32	0.16	0.5	0.16 U	0.45	1.3	0.32	1.4	0.75	2.4	0.045 U	110 E	1.9	6.1	0.9	3.4	1.5	0.63 U
	11/30/11	ORIG	3.7	0.36	0.19 U	0.19 U	0.51	0.19	0.46	0.16 U	0.35	1.7	0.24 J	1.6	1.3	2.4	0.044 U	38	2.4	8.3	1.3	4.5	1.6	0.62 U
	03/28/12	ORIG	0.48	0.18 U	0.18 U	0.18 U	0.096	0.14 U	0.81	0.15 U	0.16 U	1.2 UJ	0.2 U	1.4	0.63	2.6	0.043 U	8.5	1.2	3.4	0.52	1.8	0.61 J	0.6 U
	04/30/12	ORIG	0.28	0.18 U	0.18 U	0.18 U	0.2	0.14 U	0.4	0.15 U	0.16 U	1.2 U	0.2 U	1.1	0.58	0.17 U	0.043 U	12	0.53	1.2	0.18	0.57	0.22	0.6 U
	05/30/12	ORIG	0.27	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.1	0.51	2.2	0.045 U	10	0.39	1.2	0.21	0.68	0.27	0.63 U
	06/27/12	ORIG	0.41	0.18 U	0.18 U	0.18 U	0.067 U	0.14 U	0.37 J	0.16 U	0.17	1.2 U	0.2 U	1.1	0.56	2	0.043 U	13	0.81	2.6	0.42	1.2	0.46	0.61 U
First Floor Outside Elevator																								
	05/27/10	ORIG	21	1.4	0.2 U	0.2 U	12 J	0.15 U	0.53	0.17 U	0.18 U	1.3 U	0.22 U	2.9	4.8 J	2.7	0.047 U	21	0.64	2	0.29	0.74	0.26	0.66 U
	07/01/10	ORIG	11	0.75	0.19 U	0.19 U	3.9	0.73	0.44	0.16 U	0.36	1.2 U	0.21 U	2.2	1.5	2.7	0.045 U	27	1.6	2.6	0.23	0.47	0.17	0.63 U
	07/28/10	ORIG	5.5	0.47	0.18 U	0.18 U	1.4	0.13 U	0.41	0.15 U	0.16 U	1.1 U	0.2 U	1.3	0.71	2.1	0.042 U	14	0.58	2.2	0.65	1.6	0.43	0.59 U
	08/27/10	ORIG	5.1	0.24	0.19 U	0.19 U	0.37	0.14 U	0.42	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.62	2.1	0.045 U	15	0.79	2.3	0.31	0.76	0.26	0.63 U
	10/07/10	ORIG	5.5	0.26	0.18 U	0.18 U	1.1	0.14 U	0.46	0.15 U	0.16 U	1.2 U	0.2 U	1.9	0.84	2.6	0.043 U	15	0.61	1.8	0.21	0.53	0.18	0.6 U
	10/07/10	DUP	5.6	0.26	0.17 U	0.17 U	1.3	0.14	0.47	0.14 U	0.15 U	1.1 U	0.19 U	2	1	2.8	0.04 U	14	0.62	1.8	0.21	0.53	0.18	0.57 U
	10/27/10	ORIG	3.7	0.24	0.38	0.15 U	0.51	0.11 U	0.45	0.12 U	0.15	0.94 U	0.16 U	1.9	1.3	2.6	0.035 U	9.7	1.3	3.4	0.49	1.4	0.46	0.49 U
	11/30/10	ORIG	26	14 U	14 U	14 U	10 U	11 U	17 U	12 U	13 U	9.2 U	16 U	15 U	20 U	2.4 J	6.7 U	28	2.5 J	6.4 J	11 U	3.8 J	1.4 J	9.5 U
	12/28/10	ORIG	6.5	0.36	0.15 U	0.15 U	0.91	0.19	0.5 J	0.12 U	0.19	0.93 U	0.16 U	1.6	1	2.7	0.034 U	22	4.2	11	1.3	4.4	1.3	0.48 U
	01/26/11	ORIG	3.8	0.19	0.19 U	0.19 U	0.34	0.2	0.51 J	0.16 U	0.17 J	1.3	0.21 U	1.6	0.7	2.6	0.045 U	23	1.5	4.7	0.65	1.9	0.58	0.63 U
	02/28/11	SPLIT	0.42 J	0.066	0.72	0.11 U	0.04 U	0.49	0.94 J	0.092 U	0.52	1.2	0.33	1.9 J	1 J	0.56 J	0.026 U	24 J	2.3 J	14 J	0.94 J	2.8 J	0.95 J	0.36 U
	02/28/11	ORIG	2.8 J	0.19 U	0.2 U	0.2 U	0.4 J	0.14 U	0.4 J	0.16 U	0.17 U	1.2 U	0.22 U	1.5 J	0.69 J	2.4 J	0.046 U	8.8 J	0.98 J	2.2 J	0.36 J	1 J	0.34 J	0.64 U
	03/30/11	ORIG	4.8	0.26	0.17 U	0.17 U	1 J	0.16	0.49	0.14 U	0.2	1.3	0.19 U	1.6	1.6 J	2.6	0.04 U	20	1.2	4	0.63	1.7	0.52 J	0.56 U
	03/30/11	DUP	4.7	0.26	0.18 U	0.18 U	0.64 J	0.14 U	0.51	0.15 U	0.21	1.4	0.2 U	1.7	1.1 J	2.6	0.043 U	19	1.2	4	0.64	1.8	0.52 J	0.6 U
	04/29/11	ORIG	5.2	0.23	0.18 U	0.18 U	0.74	0.17	0.48	0.15 U	0.16 U	1.1 U	0.19 UJ	2.2	1.5	3	0.041 U	11	0.48	1.5	0.19	0.46	0.14 U	0.58 U
	04/29/11	DUP	5.1	0.23	0.18 U	0.18 U	0.67	0.15	0.47	0.15 U	0.16 U	1.2 U	0.2 UJ	2.2	1.5	3	0.043 U	12	0.48	1.5	0.19	0.43	0.14 U	0.6 U
	05/31/11	ORIG	3.4	0.19 U	0.19 U	0.19 U	0.45	0.14 UJ	0.51 J	0.16 U	0.2	1.2 U	0.21 U	1.2	0.93	2.6	0.045 U	14	1	3.1	0.44	1.4	0.47 J	0.63 U
	06/29/11	ORIG	3.6	0.17 J	0.18 U	0.18 U	0.38	0.13 U	0.49	0.15 U	0.16 U	1.1 U	0.2 UJ	1.2	0.77	2.3	0.042 U	20	0.51	1.8	0.37	0.96	0.4	0.59 U
	07/27/11	ORIG	6.9	0.36	0.15 U	0.15 U	1	0.11 U	0.57	0.13 U	0.15	0.96 U	0.18 J	1.5 J	1.2	2.7	0.036 U	9.9	0.34	1	0.2	0.56	0.21	0.5 U
	08/31/11	ORIG	6	0.3	0.2 U	0.2 U	0.84	0.15 U	0.57	0.17 U	0.18 U	1.3 U	0.22 UJ	2.1	1.2	3.1	0.047 U	14	0.56	1.6	0.27	0.81	0.31	0.66 U
	09/27/11	ORIG	5.4	0.38	0.19 U	0.19 U	4.8	0.14 U	0.45	0.16 U	0.33	2.6 J	0.2 U	3.6	1.2	2.4	0.044 U	34	1.7	5.4	1.7	8.4	5.2	0.62 U
	09/27/11	DUP	5.5	0.37	0.19 U	0.19 U	4.7	0.15	0.44	0.16 U	0.32	2 J	0.21 U	3.5	1.1	2.3	0.045 U	31	1.8	5.6	1.7	8.8	5.4	0.63 U
	10/28/11	ORIG	2.4	0.21	0.19 U	0.19 U	0.32	0.16	0.51	0.16 U	0.47	1.2 U	0.37	1.4	0.78	2.4	0.045 U	84	1.9	6.3	0.93	3.5	1.3	0.63 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	11/30/11	ORIG	3.9	0.37	0.18 U	0.18 U	0.52	0.18	0.47	0.15 U	0.36	1.7	0.2 UJ	1.5	1.3	2.4	0.043 U	40	2.4	8.4	1.3	4.4	1.6	0.6 U
	03/28/12	ORIG	0.44	0.18 U	0.18 U	0.18 U	0.093	0.14 U	0.69	0.15 U	0.16 U	1.2 UJ	0.2 U	1.3	0.65	2.3	0.043 U	7.9	1.2	3.2	0.51	1.8	0.61 J	0.6 U
	04/30/12	ORIG	0.32	0.18 U	0.19 U	0.19 U	0.22	0.14 U	0.4	0.16 U	0.17 U	1.2 U	0.2 U	1.1	0.51	0.17 U	0.044 U	13	0.54	1.2	0.2	0.62	0.21	0.62 U
	05/30/12	ORIG	0.41	0.17 U	0.17 U	0.17 U	0.061 U	0.4	0.44	0.14 U	0.15 U	2.8	0.19 U	1.1	0.51	2.2	0.04 U	12	0.42	3.4	1.2	3.6	1.2	0.56 U
	06/27/12	ORIG	0.38	0.17 U	0.18 U	0.18 U	0.064 U	0.13 U	0.37 J	0.15 U	0.18	1.1 U	0.19 U	1.1	0.56	2	0.041 U	12	0.79	2.6	0.42	1.3	0.49	0.58 U
Middle Office on First Floor																								
	03/31/10	ORIG	490	20	0.48 U	0.48 U	180	0.35 U	0.55 U	0.4 U	0.76	3 U	0.53 U	29	120	2.4	0.11 U	21	0.7 U	1.5	0.38 U	0.76 U	0.38 U	1.6 U
	05/27/10	SPLIT	17 J	1.3	0.11 U	0.11 U	7.7	0.093	0.6	0.092 U	0.12	0.55	0.34	2.1	3	2.4	0.026 U	15	0.66	3.6 J	0.54 J	1.6 J	0.66 J	0.35 U
	05/27/10	ORIG	13 J	1.1	0.19 U	0.19 U	8.4 J	0.14 U	0.54	0.16 U	0.17 U	1.2 U	0.2 U	2.5	3.6 J	2.9	0.044 U	16 J	0.6	1.8 J	0.26 J	0.64 J	0.24 J	0.62 U
	05/27/10	DUP	13	1	0.18 U	0.18 U	8.1 J	0.13	0.54	0.15 U	0.16 U	1.1 U	0.19 U	2.5	3.5 J	2.8	0.041 U	13 J	0.53	1.8	0.27	0.58	0.29	0.58 U
	07/01/10	SPLIT	5.1 J	0.36 J	0.11 U	0.11 U	1.9 J	0.081 U	0.59 J	0.092 U	0.39	0.73	0.19	1.6 J	1.1 J	2.6 J	0.026 U	8.3 J	0.95 J	3.7 J	0.64 J	2.1 J	0.87 J	0.36 U
	07/01/10	ORIG	3.3 J	0.29 J	0.19 U	0.19 U	0.96 J	0.14 U	0.31 J	0.16 U	0.17 U	1.2 U	0.21 U	1.2 J	0.62 J	1.5 J	0.045 U	16 J	0.51 J	1.6 J	0.16 J	0.37 J	0.17 J	0.63 U
	07/28/10	ORIG	4.1	0.41	0.2 U	0.2 U	1.1	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.3	0.69	2	0.046 U	15 J	0.58	1.8 J	0.61	1.5	0.42	0.64 U
	07/28/10	DUP	3.7	0.43	0.18 U	0.18 U	0.9	0.14 U	0.4	0.15 U	0.16 U	1.2 U	0.2 U	1.3	0.62	2	0.043 U	24 J	0.61	17 J	0.67	1.6	0.47	0.6 U
	08/27/10	ORIG	4	0.21	0.21 U	0.21 U	0.33	0.16 U	0.37	0.18 U	0.19 U	1.4 U	0.24 U	1.7 J	0.66	2.2	0.05 U	13	0.74	2.2	0.27	0.61	0.19	0.71 U
	08/27/10	DUP	3.9	0.2	0.2 U	0.2 U	0.3	0.15 U	0.37	0.17 U	0.18 U	1.3 U	0.22 U	1.1 J	0.61	2.2	0.048 U	15	0.74	2.2	0.28	0.66	0.21	0.67 U
	10/07/10	ORIG	5.5	0.26	0.18 U	0.18 U	1.1	0.15	0.46	0.15 U	0.23	1.1 U	0.2 U	1.9	0.85	2.7	0.042 U	17	0.62	1.8	0.23	0.53	0.18	0.59 U
	10/27/10	ORIG	2	0.18 U	0.18 U	0.18 U	0.12	0.13 U	0.44	0.15 U	0.16 U	1.1 U	0.2 U	1.3	0.86	2.6	0.042 U	14	0.55	1.4	0.2	0.56	0.19	0.59 U
	11/30/10	ORIG	24 J	22 U	22 U	22 U	16 U	16 U	25 U	18 U	20 U	14 U	24 U	23 U	31 U	20 U	10 U	140	2.3 J	6.7 J	17 U	3.2 J	17 U	14 U
	12/28/10	ORIG	6.8	0.43	0.15 U	0.15 U	1	0.13	0.53 J	0.12 U	0.19	1.1	0.16	1.7	1.1	2.8	0.034 U	21	4.7	12	1.6	5.4	1.6	0.48 U
	01/26/11	ORIG	3.4	0.19	0.18 U	0.18 U	0.32	0.18	0.51 J	0.15 U	0.17	1.2	0.19 U	1.3	0.68	2.7	0.041 U	20	1.5	4.6	0.66	1.9	0.57	0.58 U
	02/28/11	ORIG	2.8	0.19 U	0.2 U	0.2 U	0.42 J	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.7	0.73	2.5	0.046 U	9.4	1	2.2	0.36	1	0.36	0.64 U
	03/30/11	ORIG	4.6	0.24	0.18 U	0.18 U	0.53 J	0.15	0.43	0.15 U	0.2	1.3	0.2 U	0.94	1	2.5	0.043 U	14	1.2	3.9	0.65	1.8	0.5 J	0.6 U
	04/29/11	ORIG	5.8	0.25	0.16 U	0.16 U	1.2	0.13	0.47	0.13 U	0.14 J	1 U	0.17 UJ	2.2	1.6	2.9	0.037 U	12	0.48	1.1	0.24	0.6	0.14	0.52 U
Second Floor Office																								
	05/27/10	ORIG	4.3	0.54	0.19 U	0.19 U	2.8 J	0.14 U	0.51	0.16 U	0.17 U	1.2 U	0.2 U	1.9	1.7 J	2.7	0.044 U	20	0.52	1.9	0.24	0.58	0.19	0.62 U
	07/01/10	ORIG	3.2	0.35	0.2 U	0.2 U	1.4	0.15 U	0.39	0.17 U	0.18	1.3 U	0.22 U	1.8	0.9	2.6	0.047 U	38	0.9	2.5	0.22	0.48	0.24	0.66 U
	07/28/10	ORIG	2.5	0.3	0.18 U	0.18 U	0.65	0.13 U	0.38	0.15 U	0.16 U	1.1 U	0.2 U	1.2	0.63	2	0.042 U	15	0.58	1.9	0.43	0.93	0.32	0.59 U
	08/27/10	ORIG	2.4	0.19 U	0.2 U	0.2 U	0.28	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.22 U	1.6	0.61	2.1	0.046 U	18	0.82	2.4	0.29	0.69	0.25	0.64 U
	10/07/10	ORIG	4	0.19	0.18 U	0.18 U	1.4	0.13 U	0.46	0.15 U	0.16	1.1 U	0.2 U	1.9	1.2	2.7	0.042 U	16	0.63	2.2	0.24	0.58	0.23	0.59 U
	10/27/10	ORIG	1.7	0.19 U	0.19 U	0.19 U	0.19	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.7	0.92	2.6	0.045 U	11	0.74	1.9	0.28	0.76	0.25	0.63 U
	10/27/10	DUP	1.6	0.19 U	0.19 U	0.19 U	0.19	0.14 U	0.38	0.16 U	0.17 U	1.2 U	0.21 U	1.6	0.9	2.6	0.045 U	9.5	0.72	2	0.27	0.76	0.25	0.63 U
	11/30/10	ORIG	9 J	0.4	0.15 U	0.15 U	1.7 J	0.11 U	0.31 J	0.13 U	0.14 U	0.98 U	0.17 U	1.1	0.65 J	1.6 J	0.036 U	17 J	0.99 J	2.3 J	0.37 J	1.1 J	0.36	0.51 U
	11/30/10	DUP	14 J	0.61	0.21 U	0.21 U	2.4 J	0.15 U	0.41 J	0.18 U	0.19 U	1.3 U	0.23 U	1.2	0.94 J	2.3 J	0.049 U	43 J	1.3 J	3 J	0.5 J	1.4 J	0.46	0.69 U
	12/28/10	ORIG	5	0.29	0.15 U	0.15 U	0.7	0.2	0.5 J	0.12 U	0.45	0.93 U	0.16 U	1.6	1	2.7	0.034 U	15	2.1	5.6	0.72	2	0.64 J	0.48 U
	12/28/10	DUP	4.6	0.27	0.16 U	0.16 U	0.65	0.14	0.48 J	0.14 U	0.4	1 U	0.18 U	1.6	0.99	2.6	0.038 U	17	2.1	5.7	0.71	2.1	0.82 J	0.54 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	01/26/11	ORIG	3.6	0.21	0.18 U	0.18 U	0.3	0.23	0.5 J	0.15 U	0.33	1.3	0.2 U	1.6	0.71	2.5	0.042 U	20	1.6	5.1	0.66	1.9	0.57	0.59 U
	01/26/11	DUP	3.6	0.21	0.2 U	0.2 U	0.3	0.24	0.5 J	0.16 U	0.32	1.3	0.22 U	1.6	0.72	2.6	0.046 U	20	1.5	4.9	0.66	1.8	0.57	0.64 U
	02/28/11	ORIG	2.4	0.18 U	0.18 U	0.18 U	0.38 J	0.14	0.4	0.15 U	0.25	1.2 U	0.2 U	1.6	0.7	2.4	0.043 U	28 J	1.1	3.2 J	0.44	1.2	0.42	0.6 U
	02/28/11	DUP	2.6	0.17 U	0.17 U	0.17 U	0.42 J	0.13 U	0.46	0.14 U	0.25	1.1 U	0.19 U	1.7	0.73	2.4	0.04 U	10 J	1.1	2.5 J	0.39	1.2	0.41	0.57 U
	03/30/11	ORIG	5.8	0.31	0.18 U	0.18 U	0.78 J	0.17	0.5	0.15 U	0.42	2	0.2 U	1.7	1.2	2.6	0.043 U	19	1.2	4	0.54	1.5	0.46 J	0.6 U
	04/29/11	ORIG	5.4	0.24	0.18 U	0.18 U	0.81	0.13 U	0.49	0.15 U	0.31	1.1 U	0.2 UJ	2.3	1.6	3	0.042 U	12	0.46	1.2	0.16	0.37	0.14 U	0.59 U
Second Floor, Office 16																								
	05/31/11	ORIG	3.8	0.19 U	0.2 U	0.2 U	0.52	0.18 J	0.55 J	0.16 U	1.5 J	1.2 U	0.22 U	1.4	1	2.7	0.046 U	15 J	1 J	3.2 J	0.43 J	1.2 J	0.42 J	0.64 U
	05/31/11	DUP	4.5	0.23	0.15 U	0.15 U	0.58	0.16 J	0.54 J	0.13 U	0.4 J	1.1	0.17 U	1.3	1	2.6	0.036 U	19 J	1.8 J	6.5 J	0.79 J	2.6 J	0.84 J	0.5 U
	06/29/11	ORIG	3.6	0.2	0.16 U	0.16 U	0.42	0.14	0.52	0.14 U	0.21	1 U	0.18 UJ	1.3	0.81	2.4	0.038 U	22	0.59	2.1	0.37	1	0.36	0.53 U
	06/29/11	DUP	3.4	0.18	0.18 U	0.18 U	0.37	0.18	0.5	0.15 U	0.2	1.1 U	0.19 UJ	1.2	0.78	2.4	0.041 U	25	0.56	1.8	0.3	0.85	0.34	0.58 U
	07/27/11	ORIG	5.8	0.3	0.22 U	0.22 U	0.85	0.17 U	0.44	0.19 U	0.23	1.4 U	0.25 UJ	1.3 J	1	2.5	0.053 U	12	0.33	1	0.18	0.53	0.2	0.74 U
	07/27/11	DUP	5.9	0.3	0.2 U	0.2 U	0.88	0.21	0.5	0.16 U	0.23	1.2 U	0.22 UJ	1.4 J	1	2.5	0.046 U	12	0.31	1.1	0.19	0.54	0.21	0.64 U
	08/31/11	ORIG	6.2	0.31	0.21 U	0.21 U	0.91	0.18	0.63	0.18 U	0.28	1.3 U	0.23 UJ	2.1	1.3	3	0.049 U	17	0.5	1.5	0.21	0.55	0.2	0.69 U
	08/31/11	DUP	6.5	0.36	0.19 U	0.19 U	0.94	0.15	0.63	0.16 U	0.28	1.2 U	0.21 UJ	2.2	1.3	3	0.045 U	19	0.5	1.5	0.22	0.58	0.21	0.63 U
	09/27/11	ORIG	5.6	0.38	0.19 U	0.19 U	4.1	0.14	0.46	0.16 U	0.32	2	0.21 U	3.2	1.2	2.4	0.045 U	33	1.8	5.6	1.6	8	5	0.63 U
	10/28/11	ORIG	2.5	0.28	0.19 U	0.19 U	0.36	0.19	0.49	0.16 U	0.39	1.4	0.21 U	1.6	0.77	2.6	0.045 U	50	1.9	9.1 J	1.1 J	4 J	1.5 J	0.63 U
	10/28/11	DUP	2.5	0.22	0.2 U	0.2 U	0.37	0.18	0.5	0.17 U	0.36	1.3 U	0.22 U	1.4	0.79	2.6	0.047 U	46	1.8	6.5 J	0.89 J	3.2 J	1.2 J	0.66 U
	11/30/11	ORIG	4	0.39	0.19 U	0.19 U	0.54	0.18	0.48	0.16 U	0.36	1.6	0.21 UJ	1.5	1.2	2.4	0.045 U	41	2.4 J	8.1	1.3	4.2	1.5	0.63 U
	11/30/11	DUP	3.9	0.36	0.19 U	0.19 U	0.52	0.18	0.46	0.16 U	0.35	1.6	0.21 UJ	1.5	1.2	2.3	0.045 U	39	4.1 J	7.9	1.3	4.2	1.6	0.63 U
	03/28/12	ORIG	0.36	0.18 U	0.19 U	0.19 U	0.084	0.14 U	0.7	0.16 U	0.17 U	1.2 UJ	0.2 U	1.3	0.57	2.5	0.044 U	7.6	1.2	3.1	0.49	1.7	0.58 J	0.62 U
	03/28/12	DUP	0.36	0.19 U	0.19 U	0.19 U	0.093	0.14 U	0.77	0.16 U	0.17 U	1.2 UJ	0.21 U	1.3	0.58	2.4	0.045 U	8.2	1.2	3.1	0.46	1.5	0.68 J	0.63 U
	04/30/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.23 J	0.14 U	0.46 J	0.16 U	0.17 U	1.2 U	0.21 U	1.2 J	0.6	0.17 U	0.045 U	12 J	0.52 J	1.2 J	0.19	0.57 J	0.3	0.63 U
	04/30/12	DUP	0.49	0.18 U	0.19 U	0.19 U	0.43 J	0.21	1 J	0.16 U	0.23	1.3	0.2 U	3.1 J	1	0.17 U	0.044 U	31 J	1.1 J	2.9 J	0.43	1.3 J	0.59	0.62 U
	05/30/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.45	0.16 U	0.17 U	1.2 U	0.21 U	1.1	0.53	2.2	0.045 U	10	0.4	1.2	0.21	0.57	0.22	0.63 U
	05/30/12	DUP	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.1	0.52	2.2	0.045 U	8.2	0.39	1.2	0.2	0.61	0.23	0.63 U
	06/27/12	ORIG	0.3	0.19 U	0.19 U	0.19 U	0.07 U	0.14 U	0.36 J	0.16 U	0.17 U	1.2 U	0.21 U	1.1	0.54	2	0.045 U	12	0.81	5.4	0.95	3.1	1	0.63 U
Second Floor, Office 17																								
	05/31/11	ORIG	3.8	0.19 U	0.19 U	0.19 U	0.53	0.14 UJ	0.46 J	0.16 U	0.28	1.2 U	0.21 U	1.3	1	2.7	0.045 U	15	1	3.2	0.42	1.2	0.43 J	0.63 U
	06/29/11	ORIG	3.6	0.19	0.18 U	0.18 U	0.4	0.14 U	0.54	0.15 U	0.22	1.2 U	0.2 UJ	1.3	0.83	2.4	0.043 U	19	0.54	1.7	0.29	0.87	0.32	0.6 U
	07/27/11	ORIG	6.8	0.36	0.16 U	0.16 U	1	0.12 U	0.52	0.14 U	0.26	1 U	0.18 UJ	1.4 J	1.2	2.5	0.038 U	15	0.3	1	0.18	0.52	0.18	0.54 U
	08/31/11	ORIG	6.1	0.35	0.2 U	0.2 U	0.92	0.15 U	0.59	0.17 U	0.28	1.3 U	0.22 UJ	2.1	1.2	3	0.048 U	17	0.51	1.5	0.21	0.55	0.2	0.67 U
	09/27/11	ORIG	5.6	0.39	0.19 U	0.19 U	4.1	0.14 U	0.44	0.16 U	0.32	2	0.21 U	3.2	1.2	2.4	0.045 U	32	1.7	5.5	1.6	7.9	4.9	0.63 U
	10/28/11	ORIG	2.5	0.23	0.2 U	0.2 U	0.37	0.15	0.53	0.17 U	0.41	1.3 U	0.22 U	1.5	0.81	2.6	0.047 U	50	1.9	6.9	1	3.8	1.4	0.66 U
	11/30/11	ORIG	4	0.37	0.19 U	0.19 U	0.54	0.18	0.48	0.16 U	0.36	1.6	0.21 UJ	1.5	1.2	2.4	0.045 U	39	2.4	8	1.2	4.1	1.5	0.63 U
	03/28/12	ORIG	0.36	0.18 U	0.19 U	0.19 U	0.084	0.14 U	0.69	0.16 U	0.17 U	1.2 UJ	0.2 U	1.3	0.64	2.4	0.044 U	8.8	1.1	3.1	0.49	1.6	0.57 J	0.62 U

Table 1
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCE	1,2-DCA	CTC	CBN	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	VC	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
	04/30/12	ORIG	0.23 U	0.18 U	0.19 U	0.19 U	0.2	0.14 U	0.41	0.16 U	0.17 U	1.2 U	0.2 U	1.2	0.56	0.17 U	0.044 U	13	0.51	1.1	0.19	0.55	0.29	0.62 U
	05/30/12	ORIG	0.24 U	0.19 U	0.19 U	0.19 U	0.069 U	0.14 U	0.44	0.16 U	0.17 U	1.2 U	0.21 U	1.1	0.52	2.2	0.045 U	9.2	0.39	1.2	0.2	0.6	0.23	0.63 U
	06/27/12	ORIG	0.29	0.19 U	0.2 U	0.2 U	0.071 U	0.14 U	0.38 J	0.16 U	0.19	1.2 U	0.22 U	1.1	0.55	2	0.046 U	16	0.84	3	0.46	1.5	0.53	0.64 U

Notes:

Concentrations are reported in micrograms per cubic meter (ug/m3)
Concentrations for EPA samples are reported in ug/m3, which were calculated from ppb (v/v) results and then rounded to the appropriate number of significant figures.
Only compounds detected in one or more air samples more than once are shown.
VOCs analyzed by EPA Method TO-15 SIM.

U = Not detected at a concentration greater than the reporting limit shown.
J = Detected at an estimated concentration between the laboratory reporting and method detection limits, or estimated result due to field or laboratory quality control issues
E = Estimated concentration - exceeds upper calibration range of instrument.
-- = Analyte not reported.

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; CTC = Carbon tetrachloride; CBN = Chlorobenzene; CFM = Chloroform; MC = Methylene chloride; DCB = Dichlorobenzene; Freon 11 = Trichlorofluoromethane; Freon 113 = 1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 12 = Dichlorodifluoromethane; VC = Vinyl chloride; MTBE = Methyl tert-butyl ether.

Sample Type:
ORIG = Original sample
DUP = Duplicate sample
SPLIT = Split sample - analyzed by different laboratory than primary sample.
EPA = Sample collected by EPA

Table 2

Indoor Air Sampling Results - June 27, 2012

Terra Pave - 12511 E. Putnam Street

Samples TP1 through TP3 and TP1 Split (Calscience Environmental Laboratories)

Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria			
	Indoor Building (ug/m^3)				Outdoor Air[3]		Long-Term Exposure [1]		Short Term Exposure [2]	
	minimum		maximum [4]		ug/m^3		ug/m^3	Key	ug/m^3	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.11	U	0.19	U	0.18	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.14	U	0.24	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.51		0.64		0.50		130,000	nc	--	--
1,1,2-Trichloroethane	0.11	U	0.19	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.081	U	0.14	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.040	U	0.068	U	0.067	U	880	nc	79	nc
1,2-Dichlorobenzene	0.12	U	0.21	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.073		0.073		0.23		0.47	ca	--	--
1,4-Dichlorobenzene	0.12	U	0.21	U	0.20	U	1.1	ca	1,200	nc
Acetone	14		29		20		140,000	nc	31,000	nc
Benzene	0.66		3.0		1.9		1.6	ca	19	nc
Carbon Tetrachloride	0.37	J	0.52		0.42	J	2.0	ca	190	nc
Chlorobenzene	0.092	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.13		0.18		0.18		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.14	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.0	J	2.7	J	2.0		440	nc	--	--
Ethylbenzene	0.42		3.9		10		4.9	ca	3,000	nc
m,p-Xylenes	1.0	J	15		36		440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.62	U	0.61	U	47	ca	2,500	nc
Methylene Chloride	0.69	U	1.2	U	1.2	J	1,200	ca	1,000	nc
o-Xylene	0.46		6.3		11		440	nc	2,600	nc
Tetrachloroethene (PCE)	0.31		0.78		0.42		47	ca	--	--
Toluene	2.2	J	16		52		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.68	U	0.67	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.16	U	0.15	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.063		0.063		0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.1		1.4		1.1		3,100	nc	--	--
Vinyl chloride	0.026	U	0.044	U	0.043	U	2.8	ca	77	nc

ug/m^3 = micrograms per cubic meter of air
-- = value not available
U = Chemical not detected. Lab detection limit for chemical is listed.
J = Quantitatively estimated
Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.
nc = noncancer
ca = cancer

Notes on Health Protective Screening Criteria:

[1] **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (http://www.epa.gov/region09/superfund/prg/index.html [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

[2] **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (http://www.atsdr.cdc.gov/mrls/) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:

[3] Ambient Air Sample AA1

[4] Maximum detected concentration.

Table 3
Indoor Air Sampling Results - June 27, 2012
Bishop - 12519 E. Putnam Street
Samples B1 through B3 (and B1 Duplicate)
Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria			
	Indoor Building (ug/m^3)				Outdoor Air[3]		Long-Term Exposure [1]		Short Term Exposure [2]	
	minimum		maximum [4]		ug/m^3		ug/m^3	Key	ug/m^3	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.18	U	0.19	U	0.18	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.23	U	0.24	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.6		9.8		0.50		130,000	nc	--	--
1,1,2-Trichloroethane	0.18	U	0.19	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.13	U	0.14	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.066	U	0.069	U	0.067	U	880	nc	79	nc
1,2-Dichlorobenzene	0.20	U	0.21	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.13	U	0.14	U	0.23		0.47	ca	--	--
1,4-Dichlorobenzene	0.20	U	0.21	U	0.20	U	1.1	ca	1,200	nc
Acetone	14		18		20		140,000	nc	31,000	nc
Benzene	0.85		0.98		1.9		1.6	ca	19	nc
Carbon Tetrachloride	0.34	J	0.38	J	0.42	J	2.0	ca	190	nc
Chlorobenzene	0.15	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.17	U	0.21		0.18		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.13	U	0.14	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.0		2.0		2.0		440	nc	--	--
Ethylbenzene	0.57		1.2		10		4.9	ca	3,000	nc
m,p-Xylenes	1.5		3.4		36		440	nc	2,600	nc
Methyl tert-butyl ether	0.60	U	0.63	U	0.61	U	47	ca	2,500	nc
Methylene Chloride	1.2	U	1.2	U	1.2	J	1,200	ca	1,000	nc
o-Xylene	0.56		1.2		11		440	nc	2,600	nc
Tetrachloroethene (PCE)	0.24		0.38		0.42		47	ca	--	--
Toluene	3.4		4.6		52		22,000	nc	--	--
trans-1,2-Dichloroethene	0.66	U	0.69	U	0.67	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.15	U	0.16	U	0.15	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.18	U	0.19	U	0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.1		1.1		1.1		3,100	nc	--	--
Vinyl chloride	0.042	U	0.045	U	0.043	U	2.8	ca	77	nc

ug/m^3 = micrograms per cubic meter of air
-- = value not available
U = Chemical not detected. Lab detection limit for chemical is listed.
J = Quantitatively estimated
Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria
nc = noncancer
ca = cancer

Notes on Health Protective Screening Criteria:

[1] **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (http://www.epa.gov/region09/superfund/prg/index.html [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

[2] **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (http://www.atsdr.cdc.gov/mrls/) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:
[3] Ambient Air Sample AA1
[4] Maximum detected concentration

Table 4
Indoor Air Sampling Results - June 27, 2012
Regional Occupational Program (ROP) - 12519 East Washington Blvd.
Samples ROP1 through ROP5 and ROP1 Split (Calscience Environmental Laboratories)
Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria			
	Indoor Building (ug/m^3)				Outdoor Air[3]		Long-Term Exposure [1]		Short Term Exposure [2]	
	minimum		maximum [4]		ug/m^3		ug/m^3	Key	ug/m^3	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.11	U	0.18	U	0.19	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.14	U	0.23	U	0.24	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.47		0.63		0.54		130,000	nc	--	--
1,1,2-Trichloroethane	0.11	U	0.18	U	0.19	U	0.77	ca	--	--
1,1-Dichloroethane	0.081	U	0.14	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.040	U	0.067	U	0.069	U	880	nc	79	nc
1,2-Dichlorobenzene	0.12	U	0.20	U	0.21	U	880	nc	--	--
1,2-Dichloroethane	0.096		0.096		0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.13		0.13		0.21	U	1.1	ca	1,200	nc
Acetone	14		27		12		140,000	nc	31,000	nc
Benzene	0.81		1.3		0.81		1.6	ca	19	nc
Carbon Tetrachloride	0.34	J	0.54		0.37	J	2.0	ca	190	nc
Chlorobenzene	0.092	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.18		0.32		0.17		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.13	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	1.9	J	2.6	J	2.0		440	nc	--	--
Ethylbenzene	0.46		0.66		0.44		4.9	ca	3,000	nc
m,p-Xylenes	1.3	J	2.0	J	1.3		440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.61	U	0.63	U	47	ca	2,500	nc
Methylene Chloride	1.2	U	3.3		1.2	U	1,200	ca	1,000	nc
o-Xylene	0.44	J	0.80	J	0.49		440	nc	2,600	nc
Tetrachloroethene (PCE)	0.26		0.42		0.29		47	ca	--	--
Toluene	2.8		4.1	J	2.6		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.67	U	0.69	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.15	U	0.16	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.068		0.068		0.19	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.0	J	1.4	J	1.1		3,100	nc	--	--
Vinyl chloride	0.026	U	0.043	U	0.045	U	2.8	ca	77	nc

ug/m^3 = micrograms per cubic meter of air
-- = value not available
U = Chemical not detected. Lab detection limit for chemical is listed.
J = Quantitatively estimated
Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria
nc = noncancer
ca = cancer

Notes on Health Protective Screening Criteria:

[1] **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (http://www.epa.gov/region09/superfund/prg/index.html [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

[2] **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (http://www.atsdr.cdc.gov/mrls/) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:
[3] Maximum concentration detected at Ambient Air Sample AA8
[4] Maximum detected concentration.

Table 5
Indoor Air Sampling Results - June 27, 2012
Women and Children's Crisis Shelter - 12519 East Washington Blvd.
Samples WCCS2 through WCCS4; WCCS6, WCCS7
Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria			
	Indoor Building (ug/m^3)				Outdoor Air[3]		Long-Term Exposure [1]		Short Term Exposure [2]	
	minimum		maximum [4]		ug/m^3		ug/m^3	Key	ug/m^3	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.18	U	0.20	U	0.19	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.22	U	0.24	U	0.24	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.54		0.56		0.54		130,000	nc	--	--
1,1,2-Trichloroethane	0.18	U	0.20	U	0.19	U	0.77	ca	--	--
1,1-Dichloroethane	0.13	U	0.14	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.064	U	0.071	U	0.069	U	880	nc	79	nc
1,2-Dichlorobenzene	0.19	U	0.22	U	0.21	U	880	nc	--	--
1,2-Dichloroethane	0.13	U	0.14	U	0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.19	U	0.22	U	0.21	U	1.1	ca	1,200	nc
Acetone	11		16		12		140,000	nc	31,000	nc
Benzene	0.78		0.84		0.81		1.6	ca	19	nc
Carbon Tetrachloride	0.36	J	0.38	J	0.37	J	2.0	ca	190	nc
Chlorobenzene	0.15	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.17	U	0.19		0.17		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.13	U	0.14	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.0		2.2		2.0		440	nc	--	--
Ethylbenzene	0.40		0.95		0.44		4.9	ca	3,000	nc
m,p-Xylenes	1.1		3.1		1.3		440	nc	2,600	nc
Methyl tert-butyl ether	0.58	U	0.64	U	0.63	U	47	ca	2,500	nc
Methylene Chloride	1.1	U	1.2	U	1.2	U	1,200	ca	1,000	nc
o-Xylene	0.41		1.0		0.49		440	nc	2,600	nc
Tetrachloroethene (PCE)	0.29		0.41		0.29		47	ca	--	--
Toluene	2.6		5.4		2.6		22,000	nc	--	--
trans-1,2-Dichloroethene	0.64	U	0.71	U	0.69	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.15	U	0.16	U	0.16	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.17	U	0.19	U	0.19	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.1		1.1		1.1		3,100	nc	--	--
Vinyl chloride	0.041	U	0.046	U	0.045	U	2.8	ca	77	nc

ug/m^3 = micrograms per cubic meter of air
-- = value not available
U = Chemical not detected. Lab detection limit for chemical is listed
J = Quantitatively estimated
Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.
nc = noncancer
ca = cancer

Notes on Health Protective Screening Criteria:

[1] **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (http://www.epa.gov/region09/superfund/prg/index.html [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

[2] **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (http://www.atsdr.cdc.gov/mrls/) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:
[3] Maximum concentration detected at Ambient Air Sample AA8
[4] Maximum detected concentration.

Table 6
Indoor Air Sampling Results - June 27, 2012
Fred R. Rippy - 12471 E. Washington Blvd.
Samples FRR1 through FRR3 (and FRR1 Duplicate)
Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations						Health Protective Screening Criteria			
	Indoor Building (ug/m^3)				Outdoor Air[3]		Long-Term Exposure [1]		Short Term Exposure [2]	
	minimum		maximum [4]		ug/m^3		ug/m^3	Key	ug/m^3	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.18	U	0.68		0.19	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.23	U	0.24	U	0.24	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.51		0.52		0.54		130,000	nc	--	--
1,1,2-Trichloroethane	0.18	U	0.19	U	0.19	U	0.77	ca	--	--
1,1-Dichloroethane	0.14	U	0.14	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.067	U	0.068	U	0.069	U	880	nc	79	nc
1,2-Dichlorobenzene	0.20	U	0.21	U	0.21	U	880	nc	--	--
1,2-Dichloroethane	0.14	U	0.24		0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.21	U	**3.4**		0.21	U	1.1	ca	1,200	nc
Acetone	24		51		12		140,000	nc	31,000	nc
Benzene	0.99		1.0		0.81		1.6	ca	19	nc
Carbon Tetrachloride	0.32	J	0.47	J	0.37	J	2.0	ca	190	nc
Chlorobenzene	0.16	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.19		0.26		0.17		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.13	U	0.14	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.0		2.2		2.0		440	nc	--	--
Ethylbenzene	0.61		1.7	J	0.44		4.9	ca	3,000	nc
m,p-Xylenes	1.9		6.0	J	1.3		440	nc	2,600	nc
Methyl tert-butyl ether	0.61	U	0.62	U	0.63	U	47	ca	2,500	nc
Methylene Chloride	1.2	U	1.2	U	1.2	U	1,200	ca	1,000	nc
o-Xylene	0.66		1.8	J	0.49		440	nc	2,600	nc
Tetrachloroethene (PCE)	0.34		0.51		0.29		47	ca	--	--
Toluene	4.6	J	28		2.6		22,000	nc	--	--
trans-1,2-Dichloroethene	0.67	U	0.68	U	0.69	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.15	U	0.16	U	0.16	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.18	U	0.18	U	0.19	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.1		1.1		1.1		3,100	nc	--	--
Vinyl chloride	0.043	U	0.044	U	0.045	U	2.8	ca	77	nc

ug/m^3 = micrograms per cubic meter of air
-- = value not available
U = Chemical not detected. Lab detection limit for chemical is listed.
J = Quantitatively estimated
Bold value = measured value exceeds 3 times the outdoor air conc and either the Long-Term or Short-Term Protective Screening criteria.
nc = noncancer
ca = cancer

Notes on Health Protective Screening Criteria:

[1] **Long-Term Exposure Criteria:** EPA's acceptable risk range is 1 in 10,000 to 1 in 1,000,000 lifetime cancer risk. These air concentration values correspond to a 1 in one-million lifetime cancer risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protective of noncancer effects, (indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (http://www.epa.gov/region09/superfund/prg/index.html [May 2012]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a problem exists.

[2] **Short Term Exposure Criteria:** These values represent health protective air exposure concentrations for short-term exposures, developed by the Agency for Toxic Substances and Disease Registry (ATSDR) as Intermediate Minimal Risk Levels (MRLs) using residential exposure assumptions for periods of more than 14 but less than 365 days. (http://www.atsdr.cdc.gov/mrls/) [December 2009]. Exceeding these ATSDR MRLs suggests that further evaluation is necessary but does not necessarily mean that a problem exists. Further note that the MRL values assume continuous (24 hours per day, 7 days per week) exposure and have not been adjusted for occupational exposures (8 hours per day, 5 days per week).

- Risk Value calculated by dividing measured indoor air concentrations by long-term health protective screening criteria. If chemical is designated as cancer (ca), risk value is multiplied by 1e-6

Sources:
[3] Maximum concentration detected at Ambient Air Sample AA8
[4] Maximum detected concentration.

Table 7
Interim SVE System and Sub-Surface Depressurization System - Data Quality Assessment Table
Omega Chemical Superfund Site

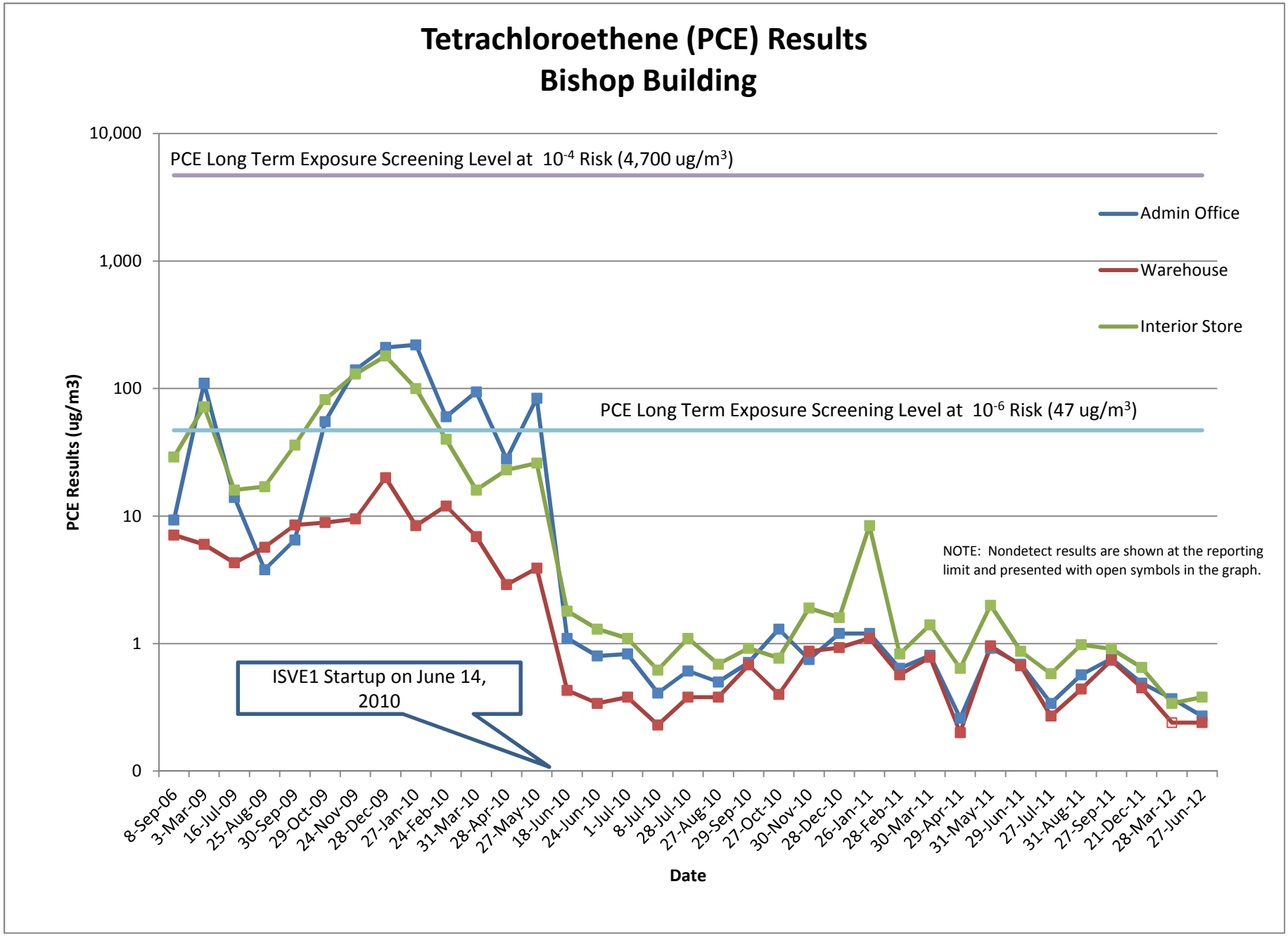
Treatment System	Sampling Event	Sampling Rationale	Frequency of Analysis	Matrix	Lab WO#	Sampling Date	Field Quality Control Samples	Level 4 Validation	Review of Laboratory Quality Control Samples	Data Usability
ISVE1	**ISVE1 - Vapor Extraction Wells (VEW) and Vapor Monitoring Probe (VMP)**									
		VEWs and VMPs are sampled to evaluate the performance of the treatment system	VEWs: Monthly during first six months, Quarterly thereafter VMPs: Quarterly	Air	12-04-1633 (VEWs)	23-Apr-12	Equipment and trip blanks are not needed. Field duplicates are not collected for VEW monthly sampling but are collected during VMP sampling	No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-05-1333 (VEWs)	15-May-12		Yes	See validation memo	See validation memo. In summary, all results are usable for project objectives without qualification.
					12-06-0454 (VEWs)	5-Jun-12		No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, tuning, calibration, surrogates, and LCS/LCSD criteria were all met.
					12-06-0893; 12-06-0895 (VMPs)	11-Jun-12; 12-Jun-12		No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, tuning, calibration, surrogates, and LCS/LCSD criteria were all met. Field duplicates were collected and evaluated for field duplicate precision. The tetrachloroethene (PCE) results in field duplicate pair VMP-3; and the acetone and PCE results in VMP-18 are qualified as estimated due to field duplicate imprecision.
	Interim Soil Vapor Extraction (ISVE1) Process Sampling									
		Analysis of the VGAC influent, intermediate and effluent samples to assess the performance of the treatment equipment and for SCAQMD compliance	Monthly (or more frequently if needed)	Air	12-04-1633	23-Apr-12	Equipment and trip blanks are not needed. Field duplicates are not needed for this treatment assessment sampling.	No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-05-1332	15-May-12			MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-06-0453	5-Jun-12			MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.

Table 7
Interim SVE System and Sub-Surface Depressurization System - Data Quality Assessment Table
Omega Chemical Superfund Site

Treatment System	Sampling Event	Sampling Rationale	Frequency of Analysis	Matrix	Lab WO#	Sampling Date	Field Quality Control Samples	Level 4 Validation	Review of Laboratory Quality Control Samples	Data Usability
ISVE2	**ISVE2 - Vapor Extraction Wells (VEW) and Vapor Monitoring Probe (VMP)**									
		VEWs and VMPs are sampled to evaluate the performance of the treatment system	VEWs: Monthly during first six months, Quarterly thereafter VMPs: Quarterly	Air	12-04-1631 (VEWs)	24-Apr-12	Equipment and trip blanks are not needed. Field duplicates are not collected for VEW monthly sampling but are collected during VMP sampling	No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-05-1330 (VEWs)	16-May-12		Yes	See validation memo	See validation memo. In summary, all results are usable for project objectives without qualification.
					12-06-0456 (VEWs)	5-Jun-12		No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-06-0894 (VMPs)	12-Jun-12		No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, tuning, calibration, surrogates, and LCS/LCSD criteria were all met. One field duplicate pair was collected and evaluated for field duplicate precision. The chloroform, Freon 113, and PCE results in field duplicate pair VMP-34 are qualified as estimated due to field duplicate imprecision.
	Interim Soil Vapor Extraction 2 (ISVE2) PROCESS SAMPLING									
		Analysis of the VGAC influent, intermediate and effluent samples to assess the performance of the treatment equipment and for SCAQMD compliance	Monthly (or more frequently if needed)	Air	12-04-1630	24-Apr-12	Equipment and trip blanks are not needed. Field duplicates are not needed for this treatment assessment sampling.	No	MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-05-1331	16-May-12			MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-06-0455	5-Jun-12			MB, LCS/LCSD, surrogates	Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.

The data were reviewed by Barbara Wells of CDM Smith
If analytes were detected in the method blank below reporting limits, no action was taken and the data were determined to be usable.
For field duplicate criteria, a duplicate precision criterion of 25 percent was used. If the results were detected at concentrations less than 5x the reporting limit, then the difference between the two results was evaluated against the criteria of ± the reporting limit. Results were deemed within criteria if the difference was less than the reporting limit.

Attachment C – Graphs of PCE and TCE Concentrations


Tetrachloroethene (PCE) Results
Bishop Building
PCE Long Term Exposure Screening Level at 10-4 Risk (4,700 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (47 ug/m3)
Admin Office
Warehouse
Interior Store
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
ISVE1 Startup on June 14, 2010
PCE Results (ug/m3)
10,000
1,000
100
10
1
0
8-Sep-06
3-Mar-09
16-Jul-09
25-Aug-09
30-Sep-09
29-Oct-09
24-Nov-09
28-Dec-09
27-Jan-10
24-Feb-10
31-Mar-10
28-Apr-10
27-May-10
18-Jun-10
24-Jun-10
1-Jul-10
8-Jul-10
28-Jul-10
27-Aug-10
29-Sep-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
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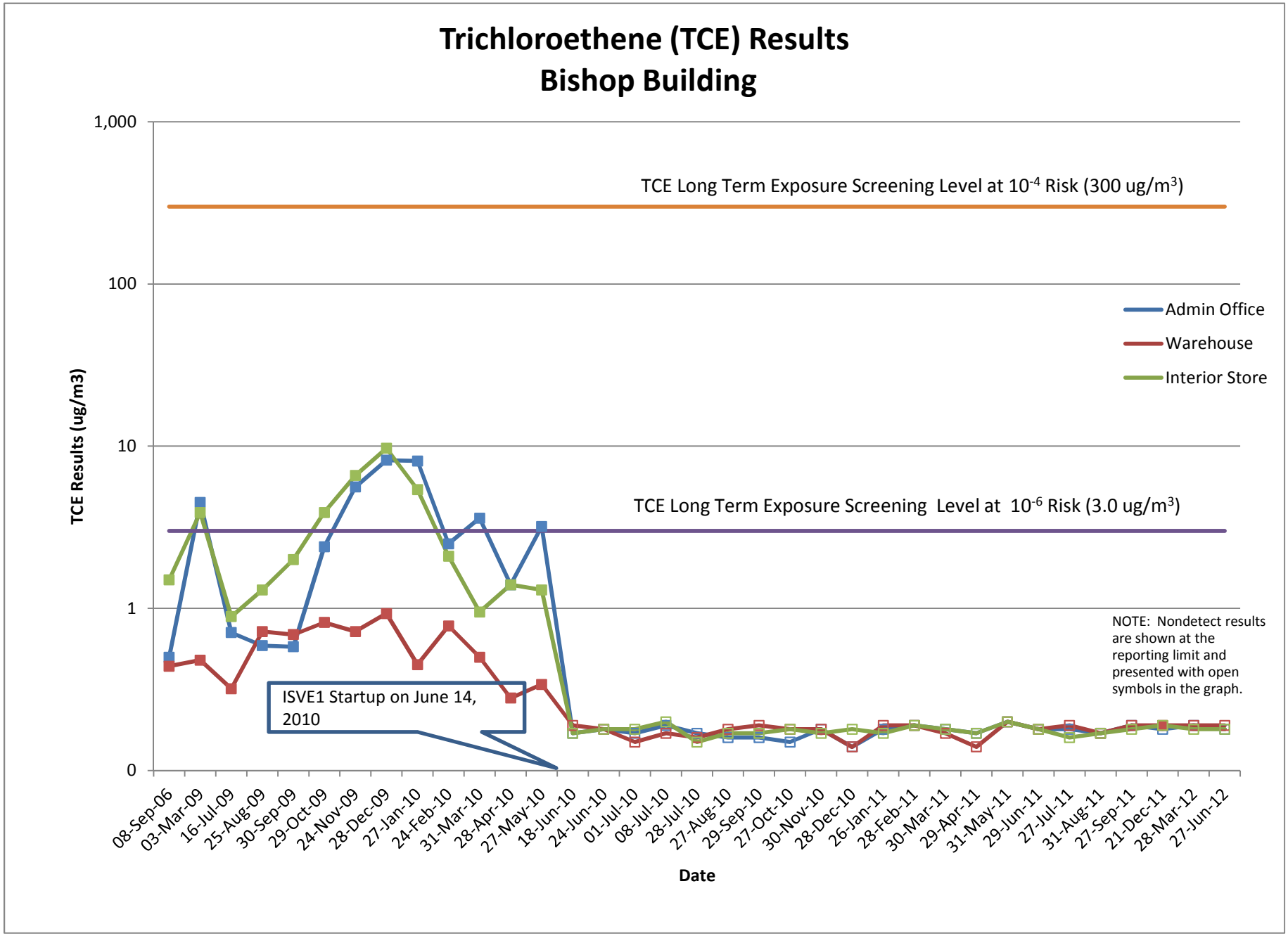
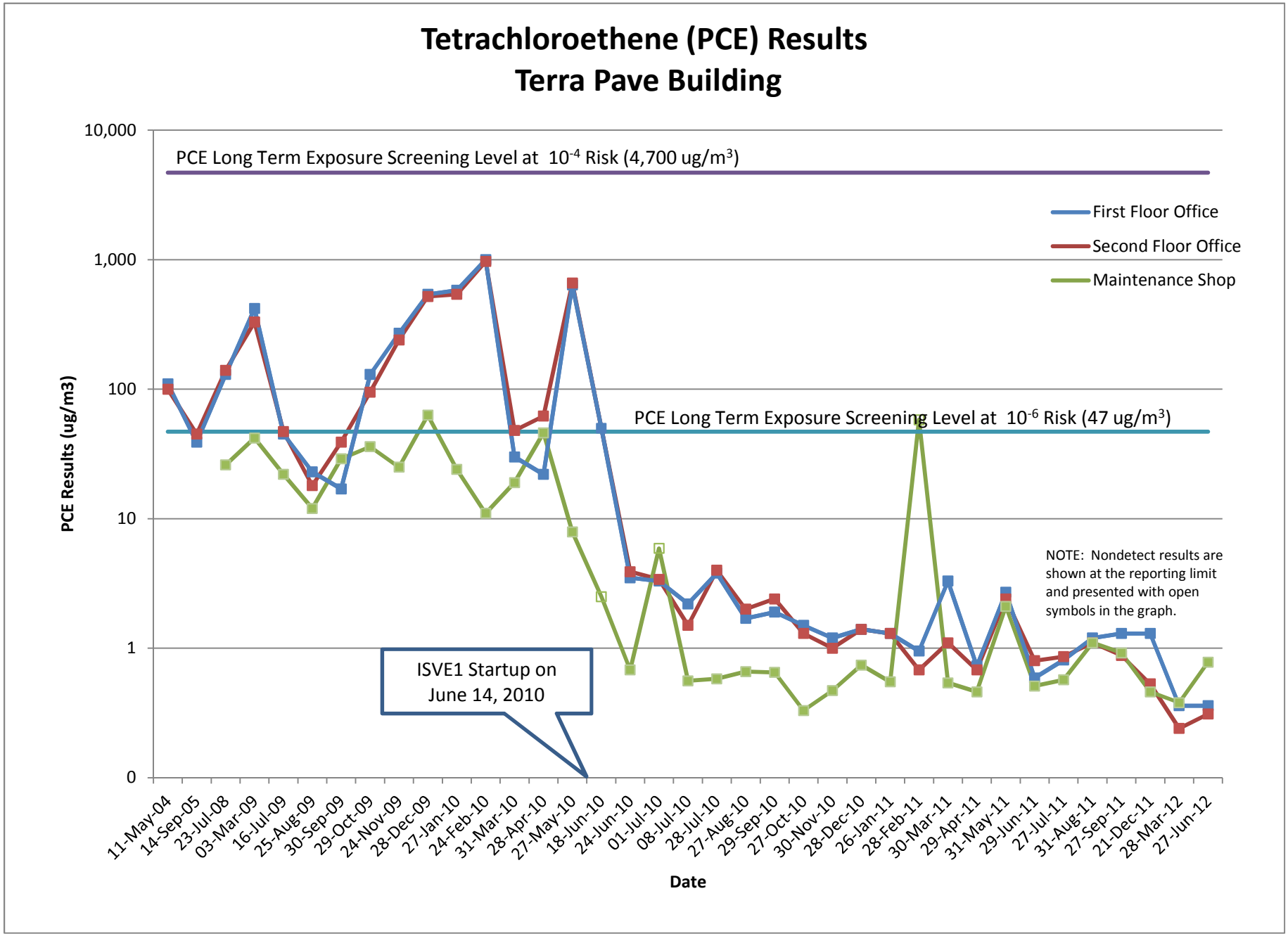
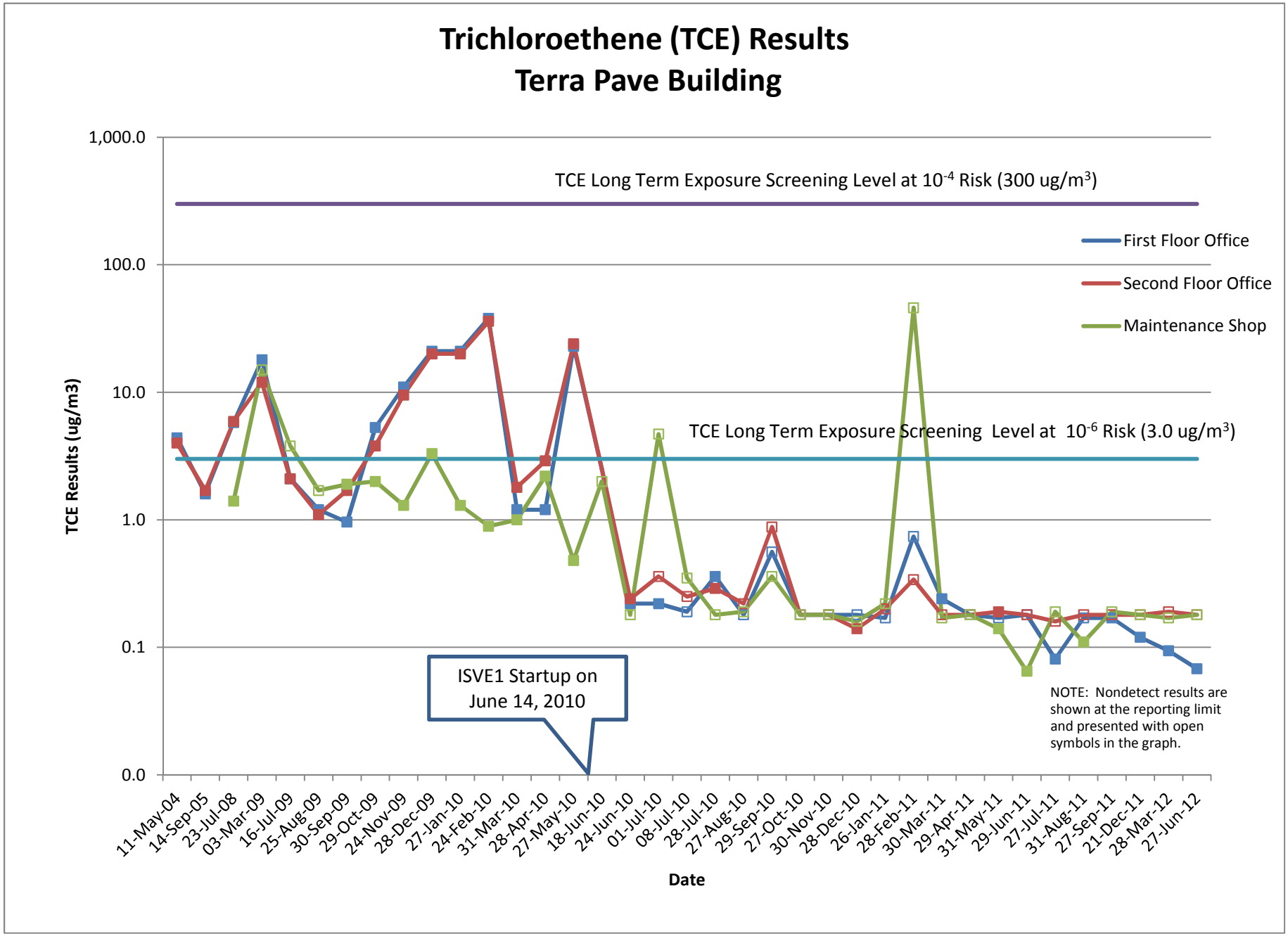
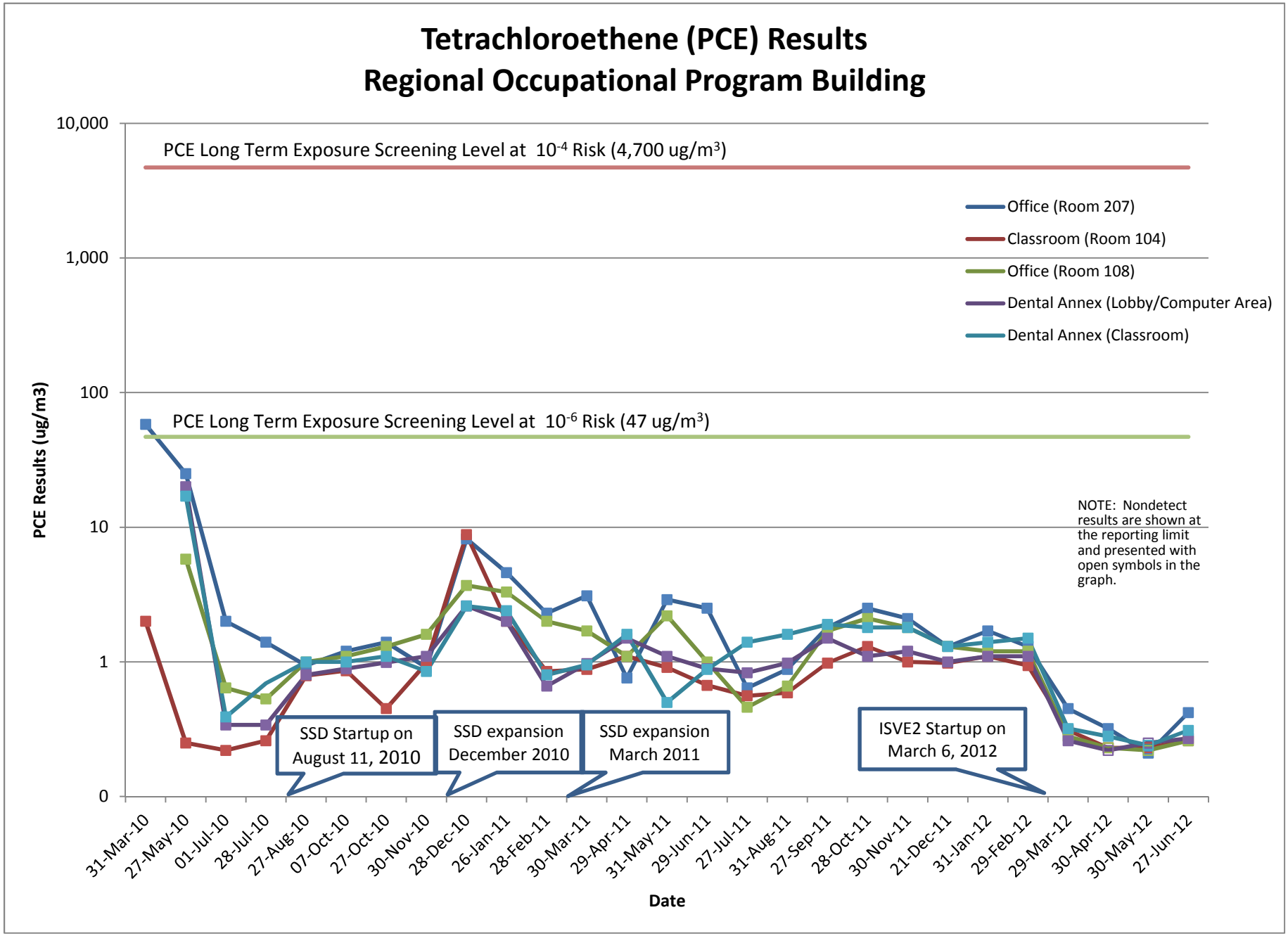
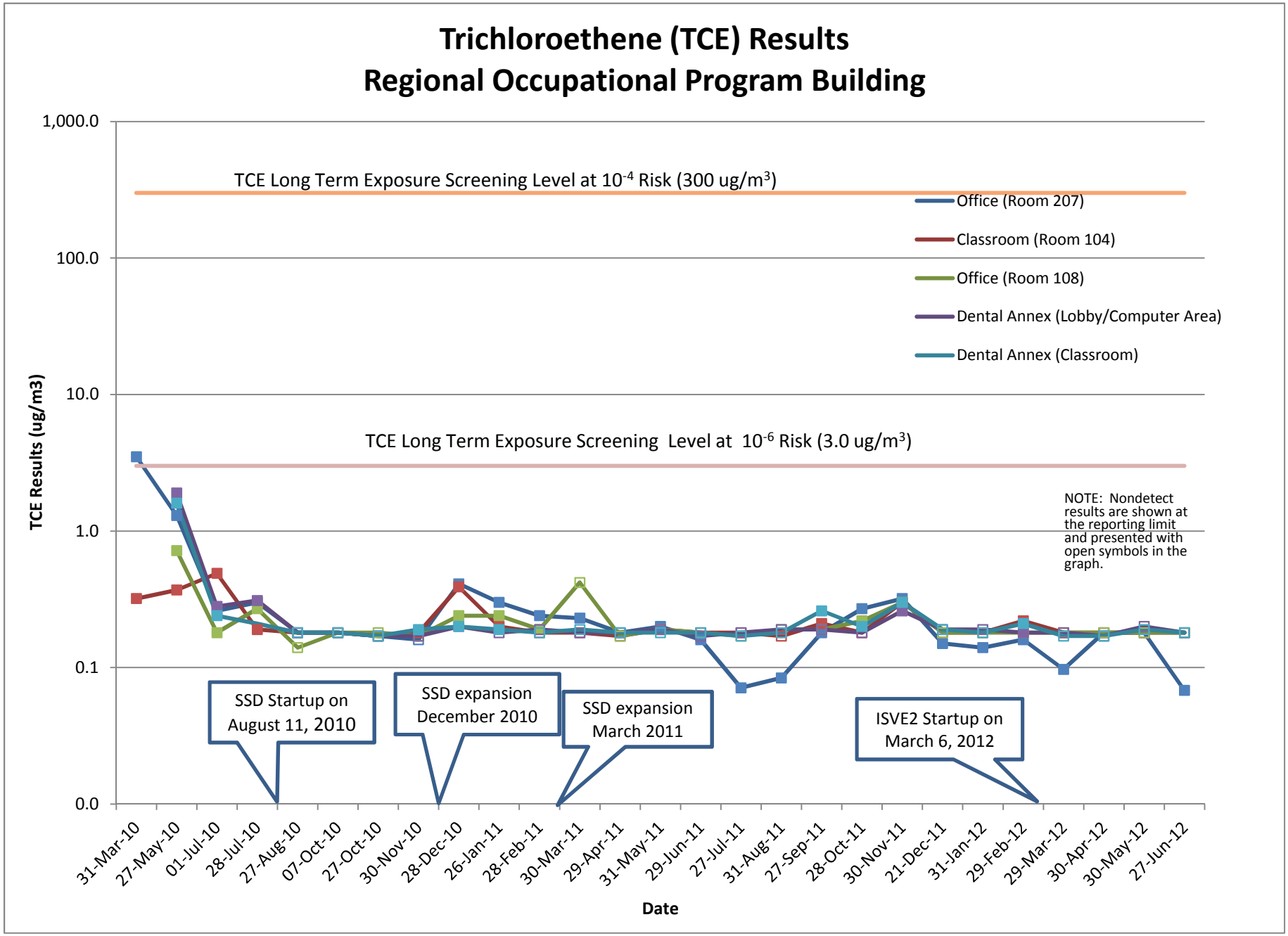
31-Aug-11
27-Sep-11
21-Dec-11
28-Mar-12
27-Jun-12
Date

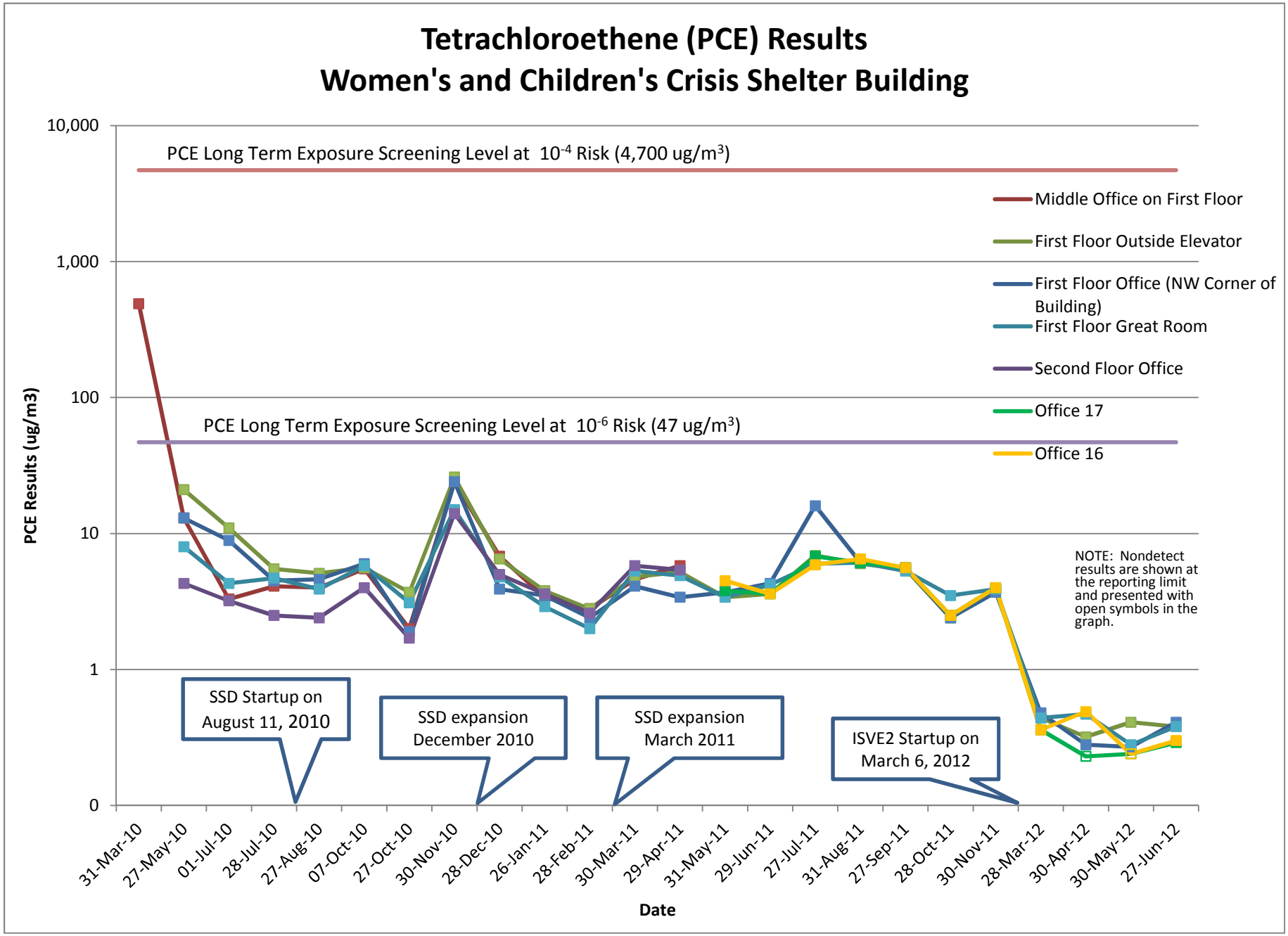

Trichloroethene (TCE) Results
Bishop Building
TCE Results (ug/m3)
1,000
100
10
1
0
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Admin Office
Warehouse
Interior Store
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
ISVE1 Startup on June 14, 2010
08-Sep-06
03-Mar-09
16-Jul-09
25-Aug-09
30-Sep-09
29-Oct-09
24-Nov-09
28-Dec-09
27-Jan-10
24-Feb-10
31-Mar-10
28-Apr-10
27-May-10
18-Jun-10
24-Jun-10
01-Jul-10
08-Jul-10
28-Jul-10
27-Aug-10
29-Sep-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
21-Dec-11
28-Mar-12
27-Jun-12
Date

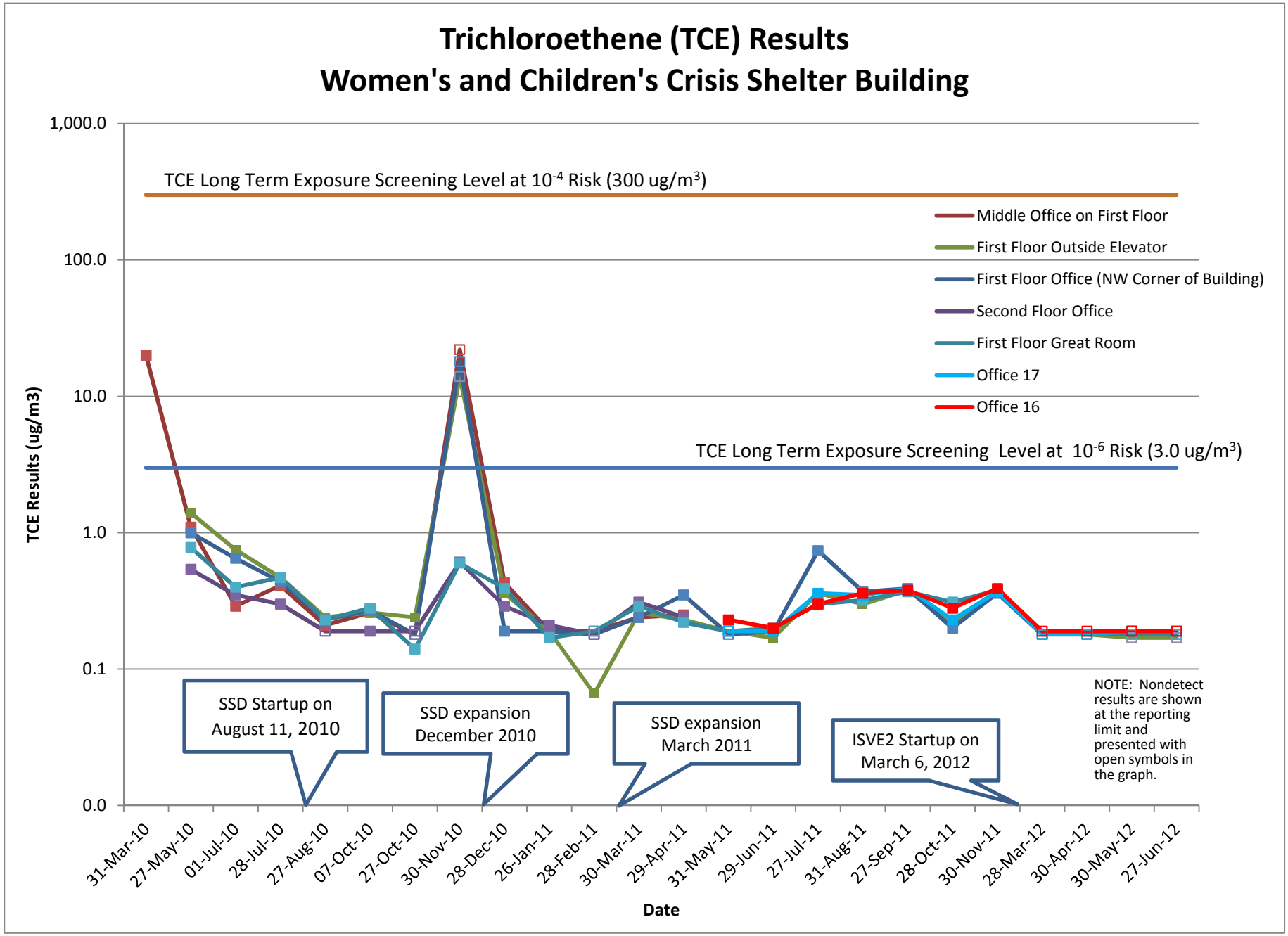

Tetrachloroethene (PCE) Results
Terra Pave Building
PCE Long Term Exposure Screening Level at 10-4 Risk (4,700 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (47 ug/m3)
First Floor Office
Second Floor Office
Maintenance Shop
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
ISVE1 Startup on June 14, 2010
PCE Results (ug/m3)
10,000
1,000
100
10
1
0
11-May-04
14-Sep-05
23-Jul-08
03-Mar-09
16-Jul-09
25-Aug-09
30-Sep-09
29-Oct-09
24-Nov-09
28-Dec-09
27-Jan-10
24-Feb-10
31-Mar-10
28-Apr-10
27-May-10
18-Jun-10
24-Jun-10
01-Jul-10
08-Jul-10
28-Jul-10
27-Aug-10
29-Sep-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
21-Dec-11
28-Mar-12
27-Jun-12
Date


Trichloroethene (TCE) Results
Terra Pave Building
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
First Floor Office
Second Floor Office
Maintenance Shop
ISVE1 Startup on June 14, 2010
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
TCE Results (ug/m3)
1,000.0
100.0
10.0
1.0
0.1
0.0
11-May-04
14-Sep-05
23-Jul-08
03-Mar-09
16-Jul-09
25-Aug-09
30-Sep-09
29-Oct-09
24-Nov-09
28-Dec-09
27-Jan-10
24-Feb-10
31-Mar-10
28-Apr-10
27-May-10
18-Jun-10
24-Jun-10
01-Jul-10
08-Jul-10
28-Jul-10
27-Aug-10
29-Sep-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
21-Dec-11
28-Mar-12
27-Jun-12
Date


Tetrachloroethene (PCE) Results
Regional Occupational Program Building
PCE Long Term Exposure Screening Level at 10-4 Risk (4,700 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (47 ug/m3)
Office (Room 207)
Classroom (Room 104)
Office (Room 108)
Dental Annex (Lobby/Computer Area)
Dental Annex (Classroom)
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
SSD Startup on August 11, 2010
SSD expansion December 2010
SSD expansion March 2011
ISVE2 Startup on March 6, 2012
PCE Results (ug/m3)
10,000
1,000
100
10
1
0
31-Mar-10
27-May-10
01-Jul-10
28-Jul-10
27-Aug-10
07-Oct-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
28-Oct-11
30-Nov-11
21-Dec-11
31-Jan-12
29-Feb-12
29-Mar-12
30-Apr-12
30-May-12
27-Jun-12
Date


Trichloroethene (TCE) Results
Regional Occupational Program Building
TCE Results (ug/m3)
1,000.0
100.0
10.0
1.0
0.1
0.0
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Office (Room 207)
Classroom (Room 104)
Office (Room 108)
Dental Annex (Lobby/Computer Area)
Dental Annex (Classroom)
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
SSD Startup on August 11, 2010
SSD expansion December 2010
SSD expansion March 2011
ISVE2 Startup on March 6, 2012
31-Mar-10
27-May-10
01-Jul-10
28-Jul-10
27-Aug-10
07-Oct-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
28-Oct-11
30-Nov-11
21-Dec-11
31-Jan-12
29-Feb-12
29-Mar-12
30-Apr-12
30-May-12
27-Jun-12
Date


Tetrachloroethene (PCE) Results
Women's and Children's Crisis Shelter Building
PCE Long Term Exposure Screening Level at 10-4 Risk (4,700 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (47 ug/m3)
Middle Office on First Floor
First Floor Outside Elevator
First Floor Office (NW Corner of Building)
First Floor Great Room
Second Floor Office
Office 17
Office 16
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
SSD Startup on August 11, 2010
SSD expansion December 2010
SSD expansion March 2011
ISVE2 Startup on March 6, 2012
PCE Results (ug/m3)
10,000
1,000
100
10
1
0
31-Mar-10
27-May-10
01-Jul-10
28-Jul-10
27-Aug-10
07-Oct-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
28-Oct-11
30-Nov-11
28-Mar-12
30-Apr-12
30-May-12
27-Jun-12
Date


Trichloroethene (TCE) Results
Women's and Children's Crisis Shelter Building
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Middle Office on First Floor
First Floor Outside Elevator
First Floor Office (NW Corner of Building)
Second Floor Office
First Floor Great Room
Office 17
Office 16
TCE Results (ug/m3)
1,000.0
100.0
10.0
1.0
0.1
0.0
SSD Startup on August 11, 2010
SSD expansion December 2010
SSD expansion March 2011
ISVE2 Startup on March 6, 2012
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
31-Mar-10
27-May-10
01-Jul-10
28-Jul-10
27-Aug-10
07-Oct-10
27-Oct-10
30-Nov-10
28-Dec-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
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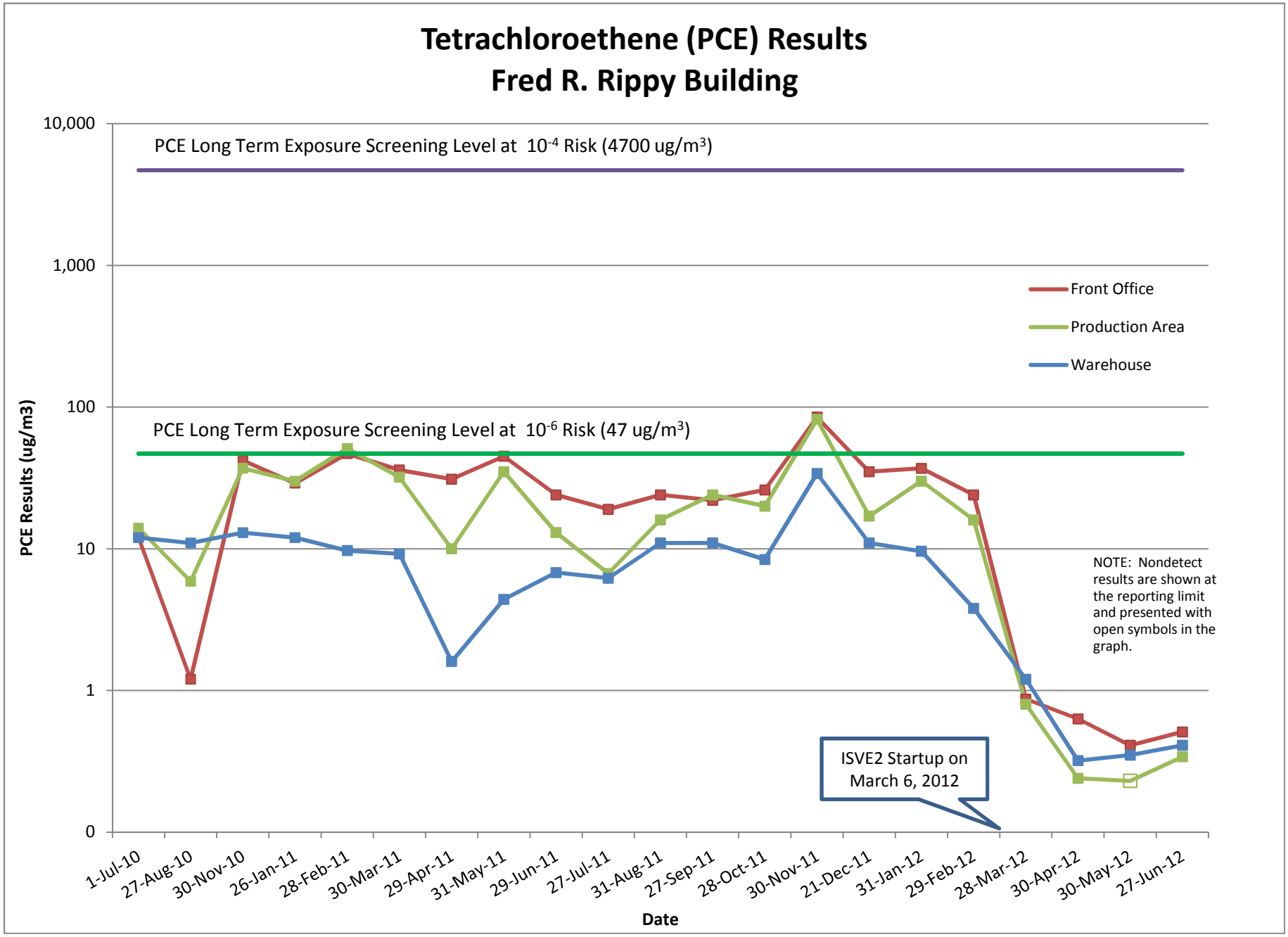
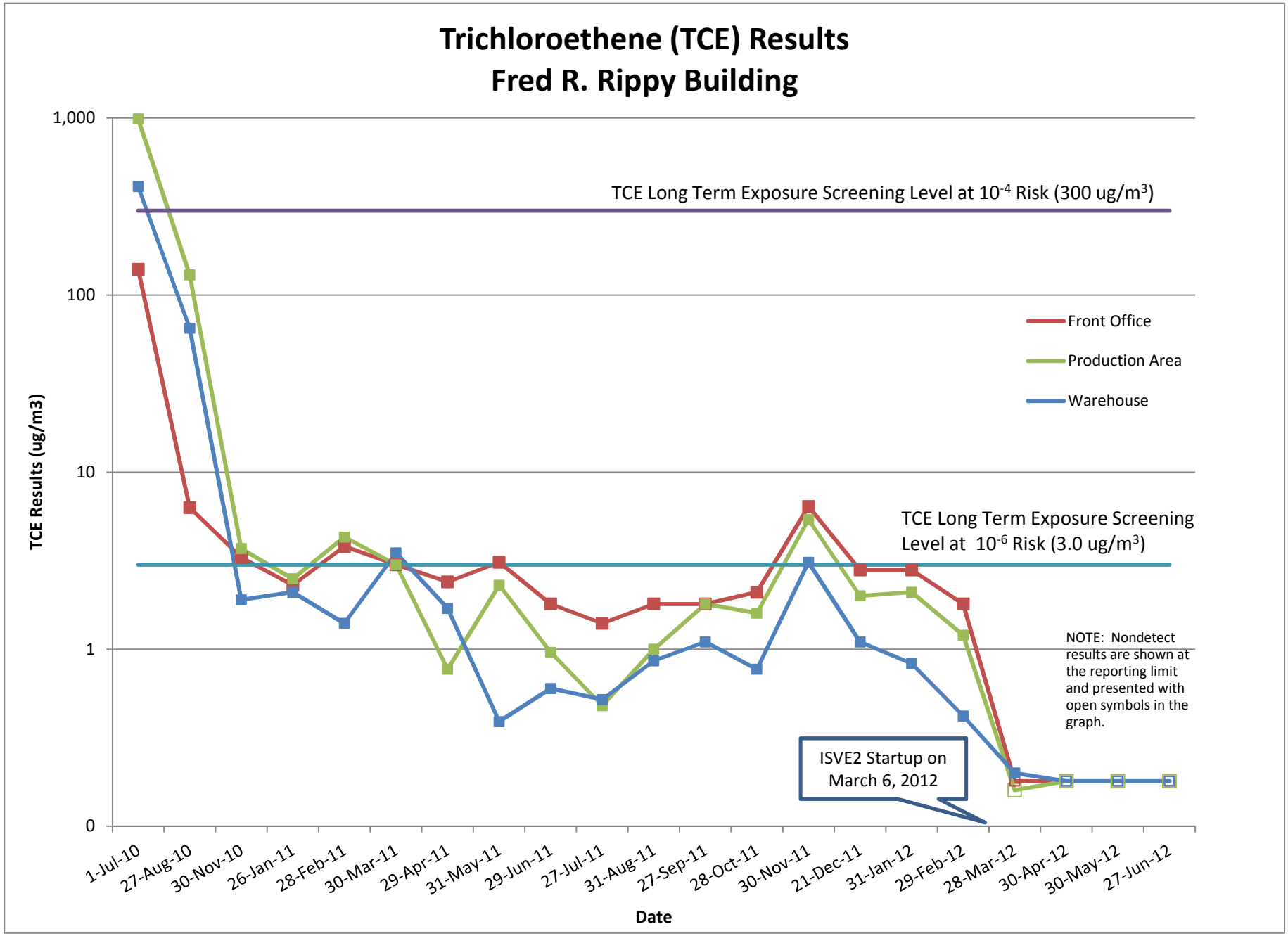
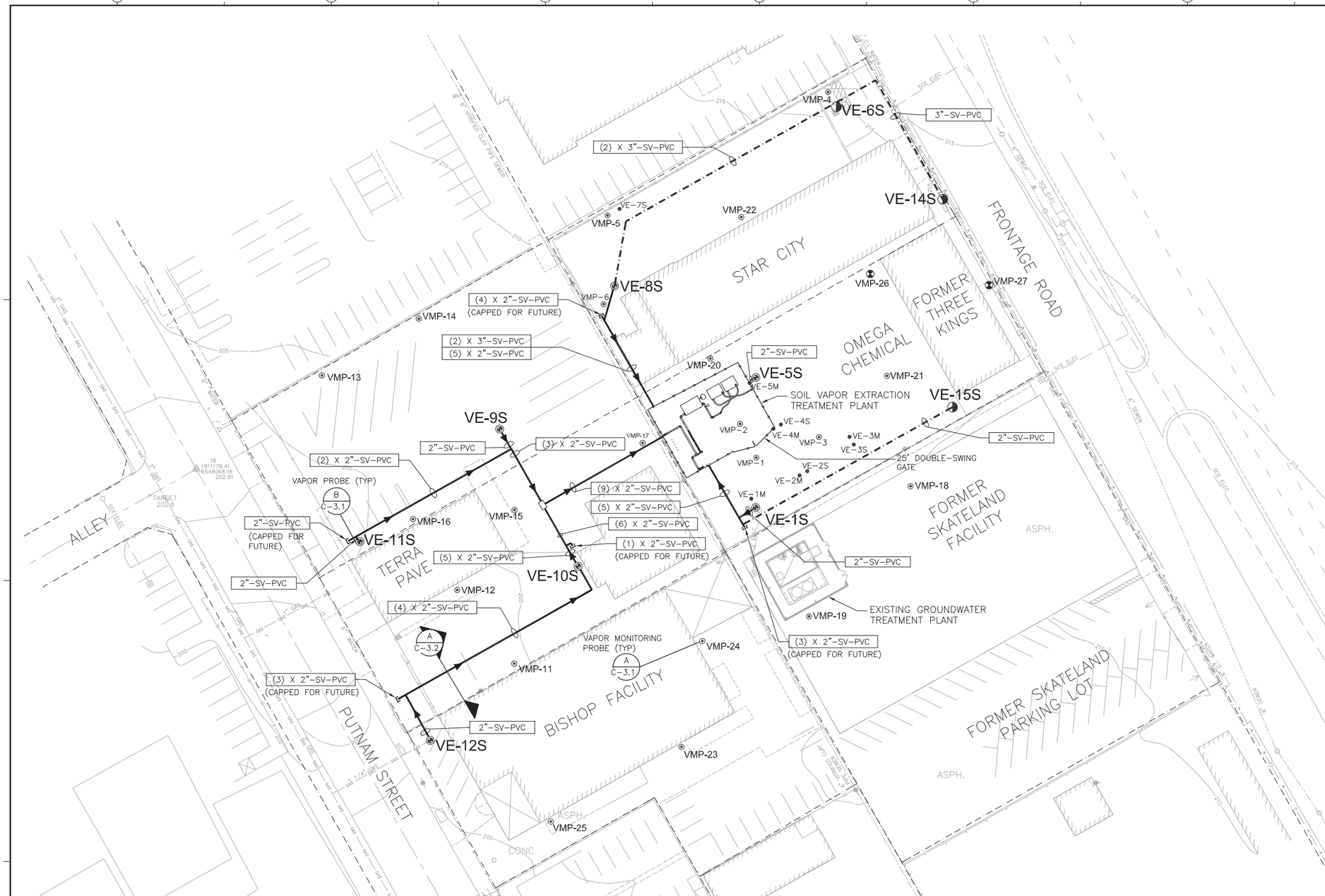
28-Mar-12
30-Apr-12
30-May-12
27-Jun-12
Date


Tetrachloroethene (PCE) Results
Fred R. Rippy Building
PCE Long Term Exposure Screening Level at 10-4 Risk (4700 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (47 ug/m3)
Front Office
Production Area
Warehouse
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
ISVE2 Startup on March 6, 2012
PCE Results (ug/m3)
10,000
1,000
100
10
1
0
1-Jul-10
27-Aug-10
30-Nov-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
28-Oct-11
30-Nov-11
21-Dec-11
31-Jan-12
29-Feb-12
28-Mar-12
30-Apr-12
30-May-12
27-Jun-12
Date


Trichloroethene (TCE) Results
Fred R. Rippy Building
1,000
100
10
1
0
TCE Results (ug/m3)
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Front Office
Production Area
Warehouse
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
ISVE2 Startup on March 6, 2012
1-Jul-10
27-Aug-10
30-Nov-10
26-Jan-11
28-Feb-11
30-Mar-11
29-Apr-11
31-May-11
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
28-Oct-11
30-Nov-11
21-Dec-11
31-Jan-12
29-Feb-12
28-Mar-12
30-Apr-12
30-May-12
27-Jun-12
Date

Attachment D – Interim Soil Vapor Extraction System 1 (ISVE1) Figures and Tables



NOTES:

1. NOT USED.
2. NOT USED.
3. ADDRESS FOR:
   TREATMENT PLANT: 12512 EAST WHITTIER BLVD.
   WHITTIER, CA. 90602
4. SCALED DISTANCES GOVERN OVER DIMENSIONS.

LEGEND

- SOIL VAPOR EXTRACTION CONVEYANCE LINE
- VE-XS — SOIL VAPOR EXTRACTION WELL WITH WELLBOX
- VMP-XX — SOIL VAPOR MONITORING PROBE
- VE-XS — SOIL VAPOR EXTRACTION WELL (UNUSED)

ISVE EXPANSION

- SOIL VAPOR EXTRACTION CONVEYANCE LINE
- VE-XS — SOIL VAPOR EXTRACTION WELL WITH WELLBOX
- VMP-XX — SOIL VAPOR MONITORING PROBE

- PROPERTY LINE
- SEWER
- GAS
- WATER
- ELECTRICAL
- TELEPHONE

N

PLAN

1" = 30'

15 0 30

REFERENCE: PIPE ALIGNMENT SURVEY BY DAVID BUSH AND ASSOCIATES INC.
DWGS OCVAPOR1 042010 AND OCVAPOR2 050510.

RECORD DRAWING

CALL BEFORE YOU DIG:
UNDERGROUND SERVICE ALERT OF
SOUTHERN CALIFORNIA
TWO WORKING DAYS BEFORE YOU DIG
1-800-227-2600

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	11/10	MAR	VTB	FOR RECORD DRAWING
2	6/10	PJR		FOR RECORD DRAWING
1	1/20/10	PJR	JTB	FOR PRELIMINARY DESIGN REPORT

DESIGNED BY: SHA
DRAWN BY: PJR
SHEET CHK'D BY: SHA
CROSS CHK'D BY: JTB
APPROVED BY: RS
DATE: JANUARY 2010

WARNING
0 1/2 1"
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

REGISTERED PROFESSIONAL ENGINEER JOHN HEISER C 047382 Exp. 12/31/11 CIVIL STATE OF CALIFORNIA

CDM Camp Dresser & McKee Inc.
consulting engineering construction operations
111 Academy, Suite 150
Irvine, California 92617
Tel: (949) 752-5452
Fax: (949) 725-3790

OMEGA CHEMICAL SUPERFUND SITE

12504/12512 EAST WHITTIER BOULEVARD
WHITTIER, CALIFORNIA

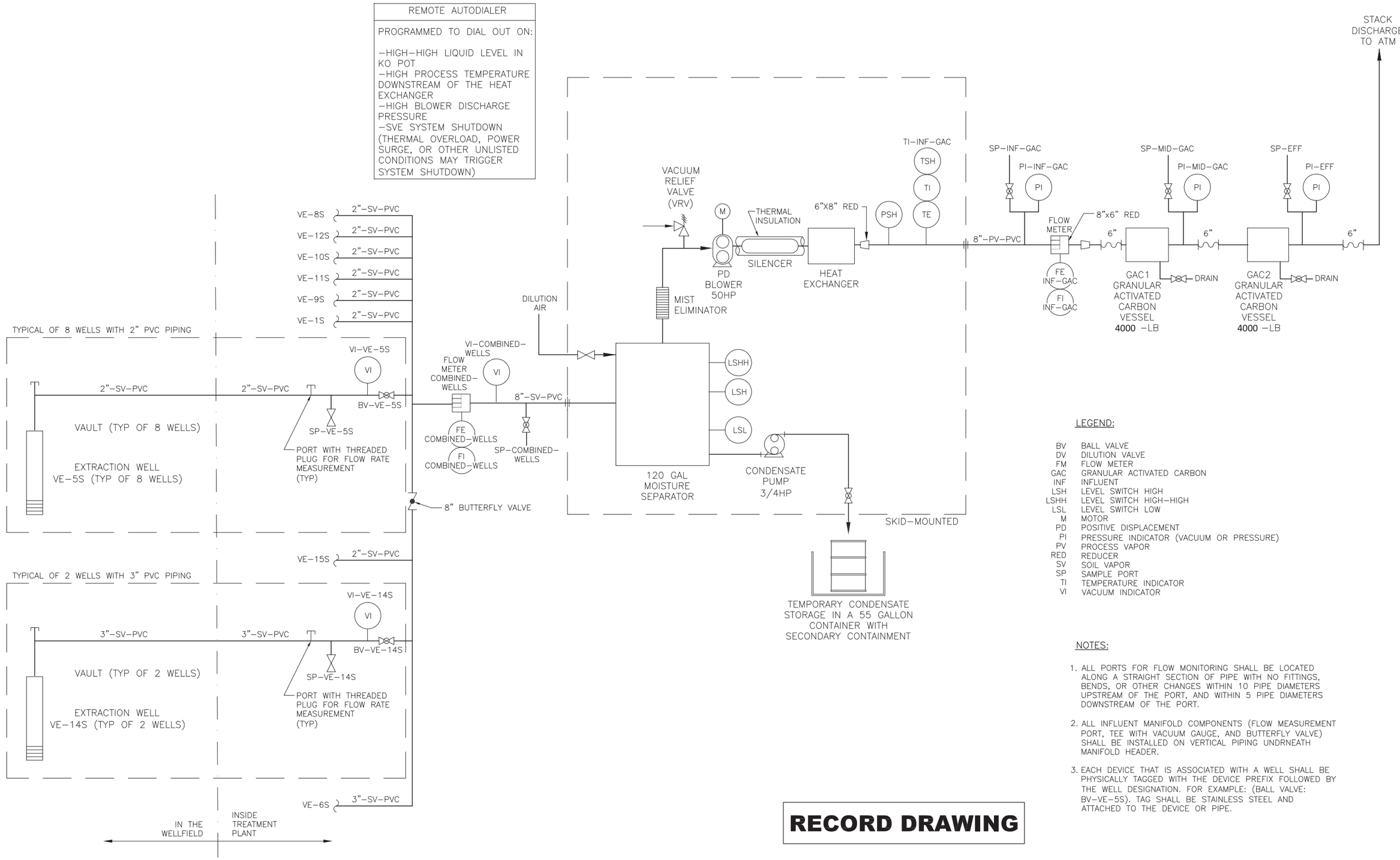
SOIL VAPOR EXTRACTION SYSTEM

Figure D1 - Plan View of Extraction Wells, Treatment Plant, and Conveyance Piping Routing

PROJECT NO. 10500-70150

SHEET NO. Figure D1

\\Wicsvr01\projects\10500-70150\Record Dwgs-Nov 2010\ C-2.1 11/12/10 14:57 rushma XREFS: SVE-22X34TBL, SVE-SurfaceTypeandCondition, SVE-SURVEY, SVE-cwpl0000, SVE-00001PL-EXISTING, SVE-cutil000, SVE-00001PL-NEW, OCVAPOR3



LEGEND:

BV	BALL VALVE
DV	DILUTION VALVE
FM	FLOW METER
GAC	GRANULAR ACTIVATED CARBON
INF	INFLUENT
LSH	LEVEL SWITCH HIGH
LSHH	LEVEL SWITCH HIGH–HIGH
LSL	LEVEL SWITCH LOW
M	MOTOR
PD	POSITIVE DISPLACEMENT
PI	PRESSURE INDICATOR (VACUUM OR PRESSURE)
PV	PROCESS VAPOR
RED	REDUCER
SV	SOIL VAPOR
SP	SAMPLE PORT
TI	TEMPERATURE INDICATOR
VI	VACUUM INDICATOR

NOTES:

1. ALL PORTS FOR FLOW MONITORING SHALL BE LOCATED ALONG A STRAIGHT SECTION OF PIPE WITH NO FITTINGS, BENDS, OR OTHER CHANGES WITHIN 10 PIPE DIAMETERS UPSTREAM OF THE PORT, AND WITHIN 5 PIPE DIAMETERS DOWNSTREAM OF THE PORT.
2. ALL INFLUENT MANIFOLD COMPONENTS (FLOW MEASUREMENT PORT, TEE WITH VACUUM GAUGE, AND BUTTERFLY VALVE) SHALL BE INSTALLED ON VERTICAL PIPING UNDRNEATH MANIFOLD HEADER.
3. EACH DEVICE THAT IS ASSOCIATED WITH A WELL SHALL BE PHYSICALLY TAGGED WITH THE DEVICE PREFIX FOLLOWED BY THE WELL DESIGNATION. FOR EXAMPLE: (BALL VALVE: BV–VE–5S). TAG SHALL BE STAINLESS STEEL AND ATTACHED TO THE DEVICE OR PIPE.

RECORD DRAWING

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	11/10	MAR	VTB	FOR RECORD DRAWING
2	6/10	PJR		FOR RECORD DRAWING
1	1/20/10	PJR	JTB	FOR PRELIMINARY DESIGN REPORT

DESIGNED BY: JTB
DRAWN BY: PJR
SHEET CHK'D BY: HC
CROSS CHK'D BY: JTB
APPROVED BY: RS
DATE: JANUARY 2010

WARNING
0 1/2 1"
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

REGISTERED PROFESSIONAL ENGINEER JOHN HEISER C 047302 Exp. 12/31/11 CIVIL STATE OF CALIFORNIA

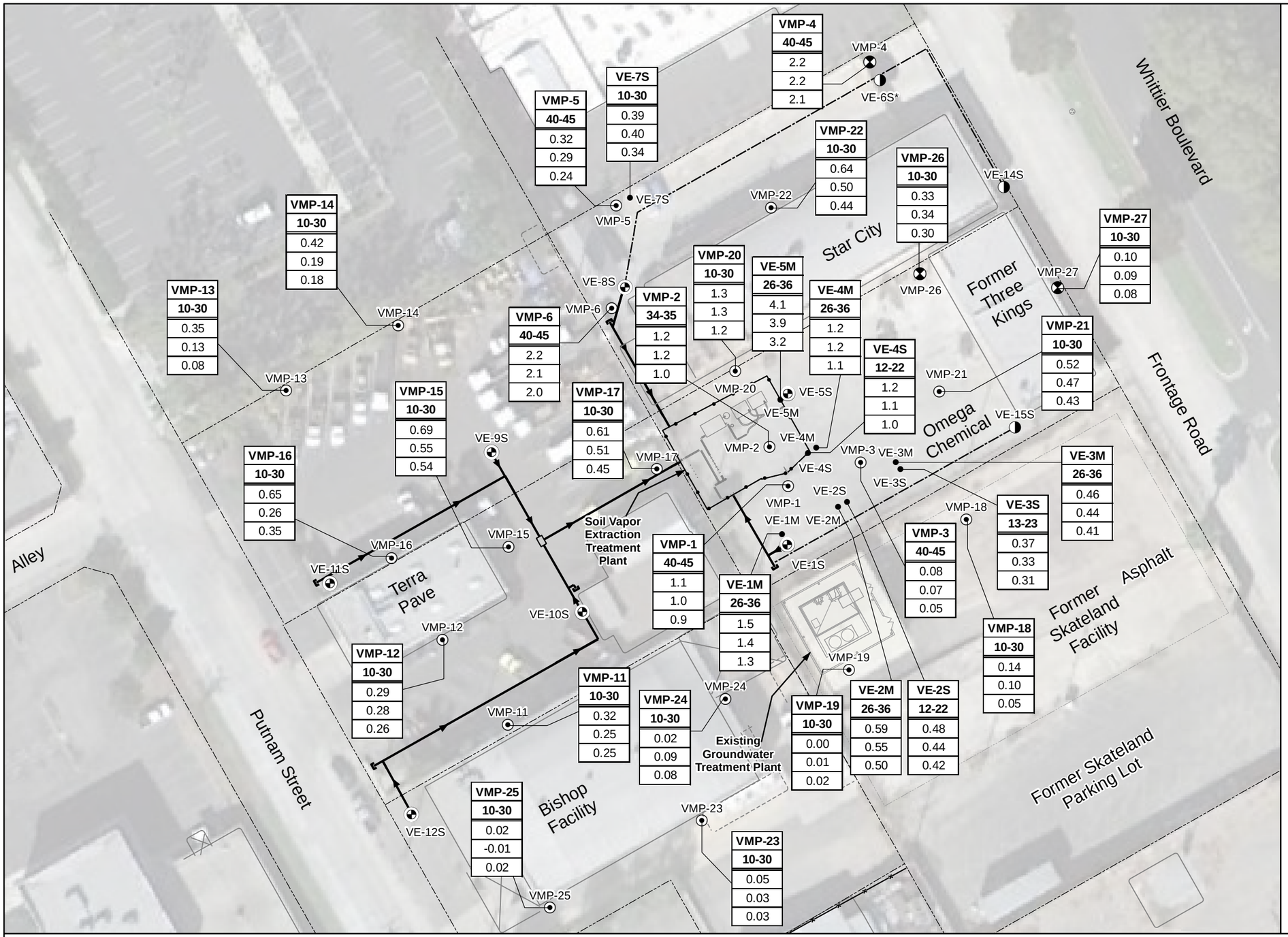
CDM Camp Dresser & McKee Inc.
consulting engineering construction operations
111 Academy, Suite 150
Irvine, California 92617
Tel: (949) 752–5452
Fax: (949) 725–3790

OMEGA CHEMICAL SUPERFUND SITE
12504/12512 EAST WHITTIER BOULEVARD
WHITTIER, CALIFORNIA

SOIL VAPOR EXTRACTION SYSTEM
Figure D2 - Piping and Instrument Diagram

PROJECT NO. 10500–70150
SHEET NO. Figure D2

\\Wlcsvr01\projects\10500–70150\Record Dwgs–Nov 2010\ 1–3 11/12/10 13:23 rushma XREFS: SVE–22X34TBL



Legend

Existing ISVE

- Soil Vapor Extraction Conveyance Line
- Soil Vapor Extraction Well with Wellbox
- Soil Vapor Monitoring Probe
- Soil Vapor Extraction Well (Unused)

ISVE Expansion

- Soil Vapor Extraction Conveyance Line
- Soil Vapor Extraction Well with Wellbox
- Soil Vapor Monitoring Probe

- Property Line
- Vault

Well Name
Screen Interval (ft bgs)
Measured vacuum on 4/23/2012 (in H2O)
Measured vacuum on 5/21/2012 (in H2O)
Measured vacuum on 6/11/2012 (in H2O)

Notes:

Negative values indicate positive pressure

NM - Not measured

ft bgs - feet below ground surface

in H_2O - inches of water

* VE-06S was converted to Vapor Extraction Well in September 2011.

Source: Sheet No. C-2.1 Plan View of Extraction Wells, Treatment Plant, and Conveyance Piping Routing
Pipe Alignment Survery by David Bush and Associates Inc. (Dwgs OCVAPOR1 042010 and OCVAPOR2 050510)

N

50 25 0 50
Feet
1 inch = 50 feet

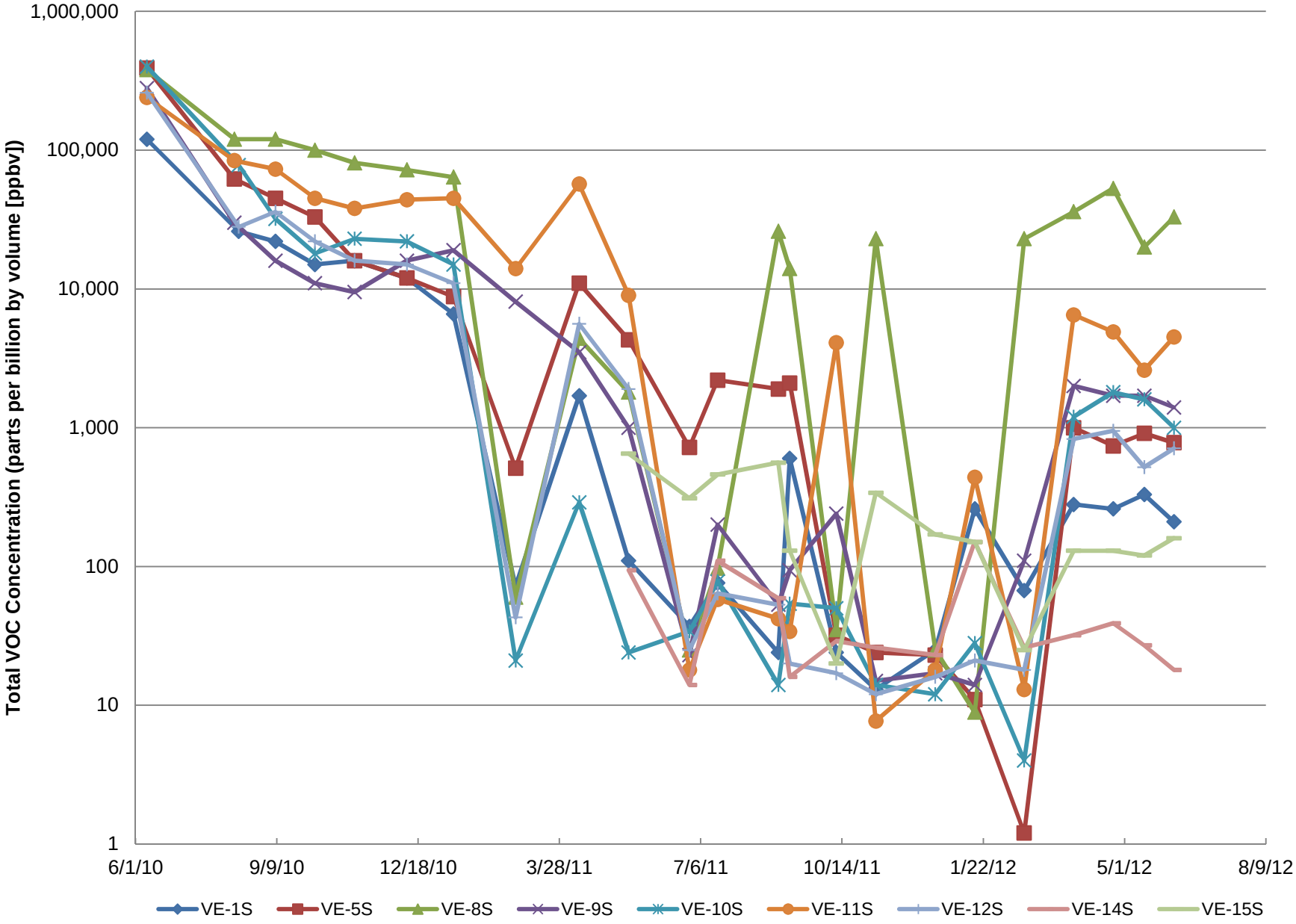
CDM Smith

Omega Chemical

ISVE Vacuum Influence Coverage Map

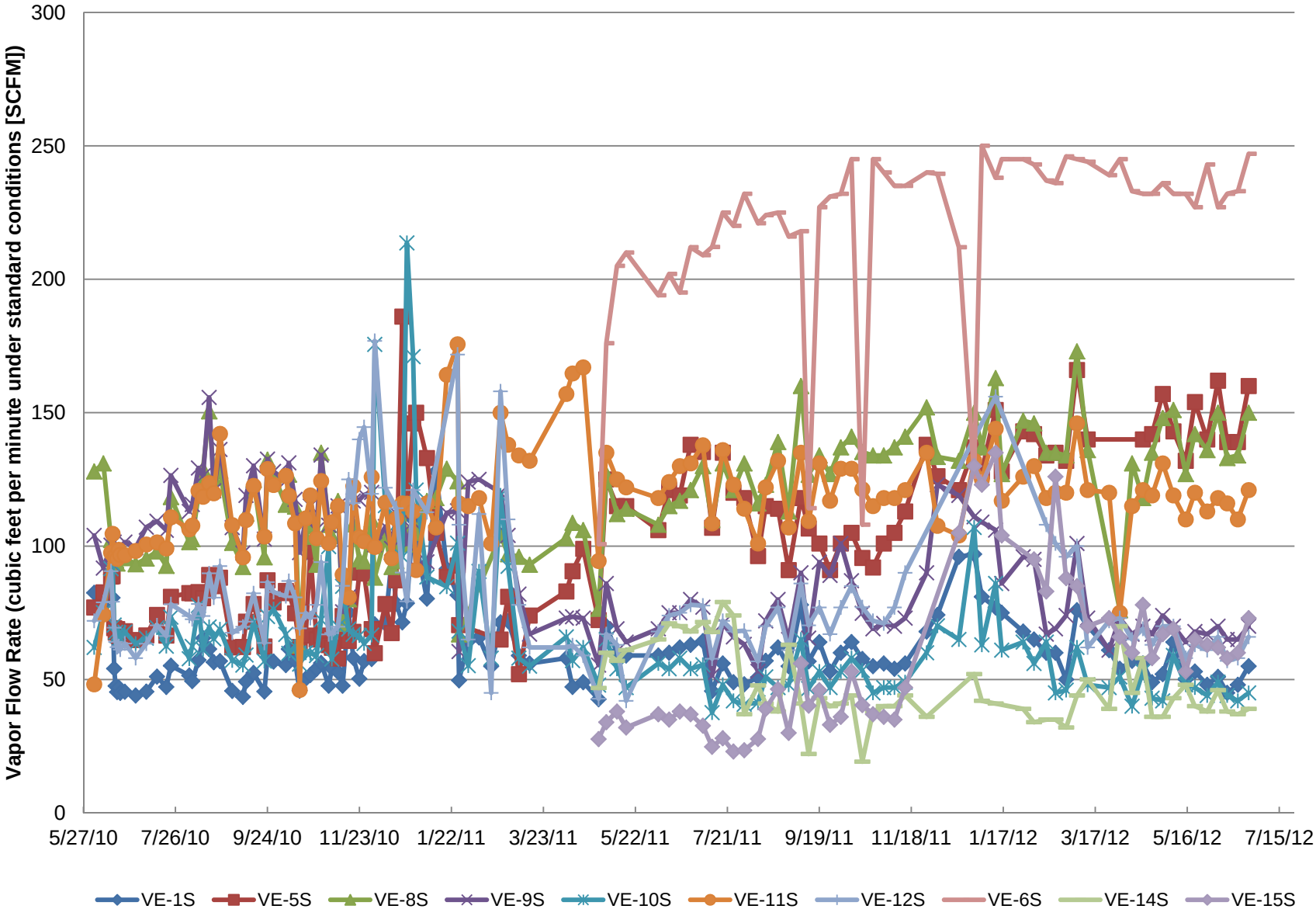
Figure D3

Figure D4 - ISVE1 VOC Concentration Trend at VEWs



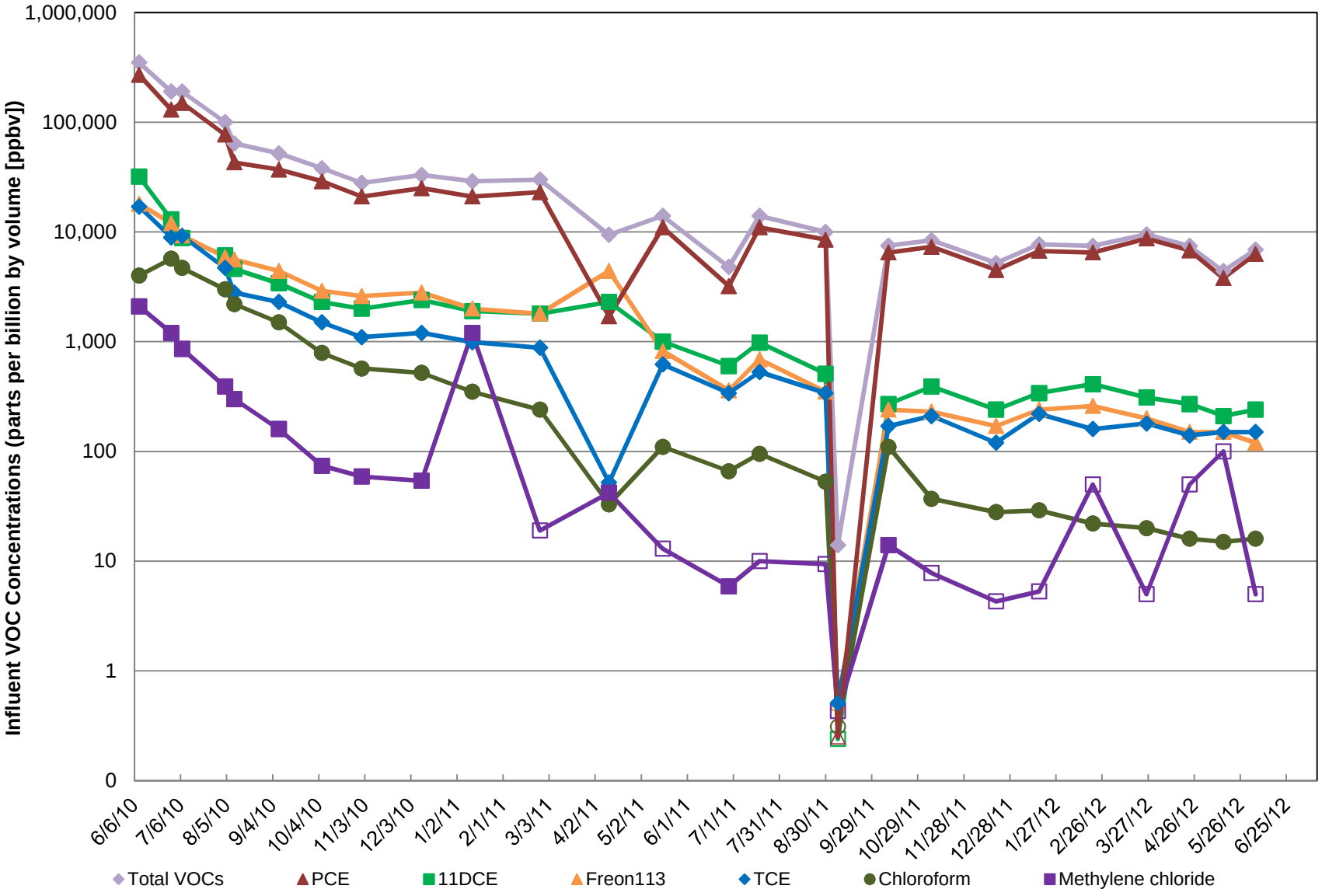
7/5/2012

Figure D5 - ISVE1 Vapor Extraction Rate at VEWs



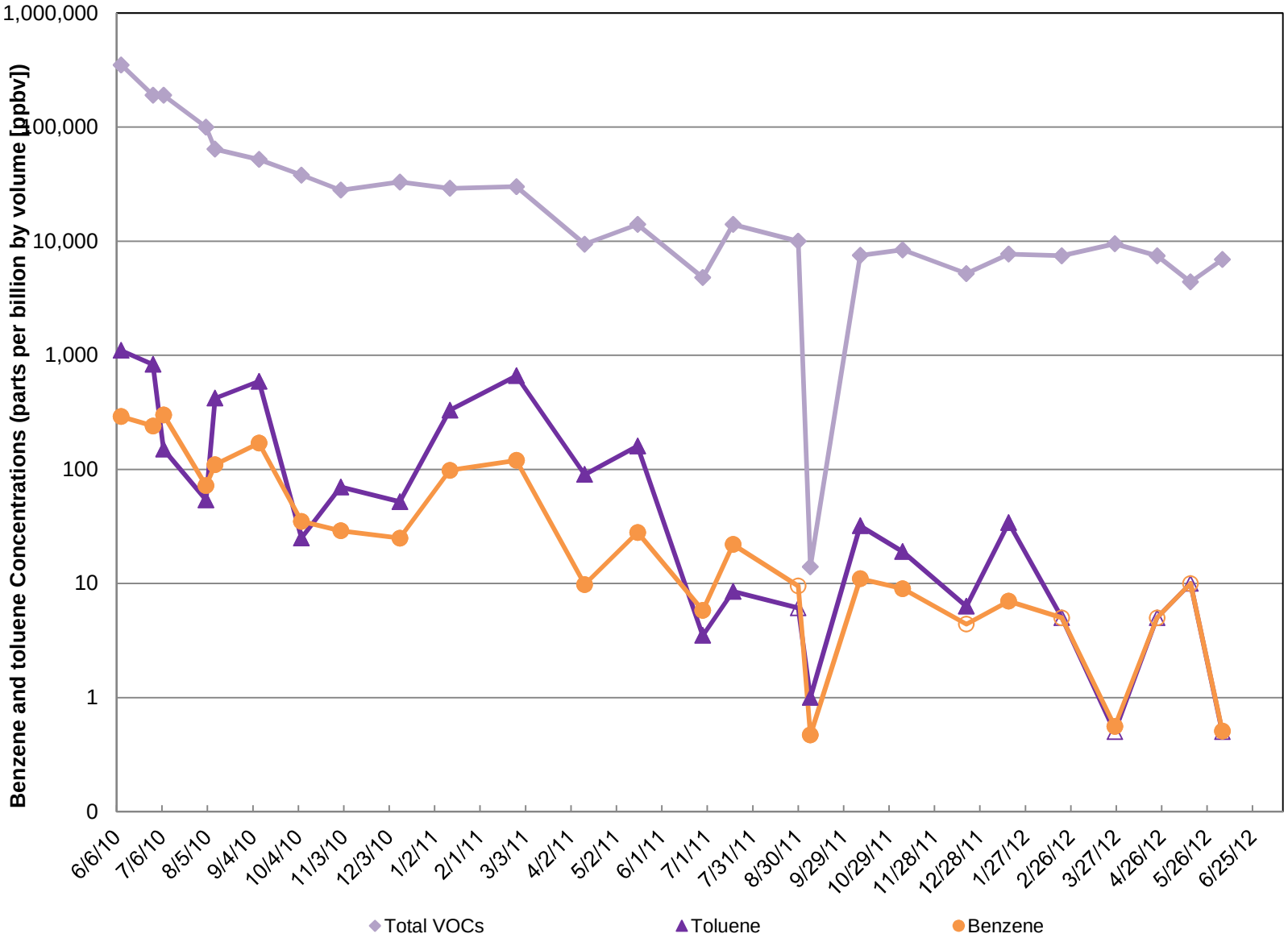
7/5/2012

Figure D6 - ISVE1 Influent - Select Chlorinated VOC Concentrations



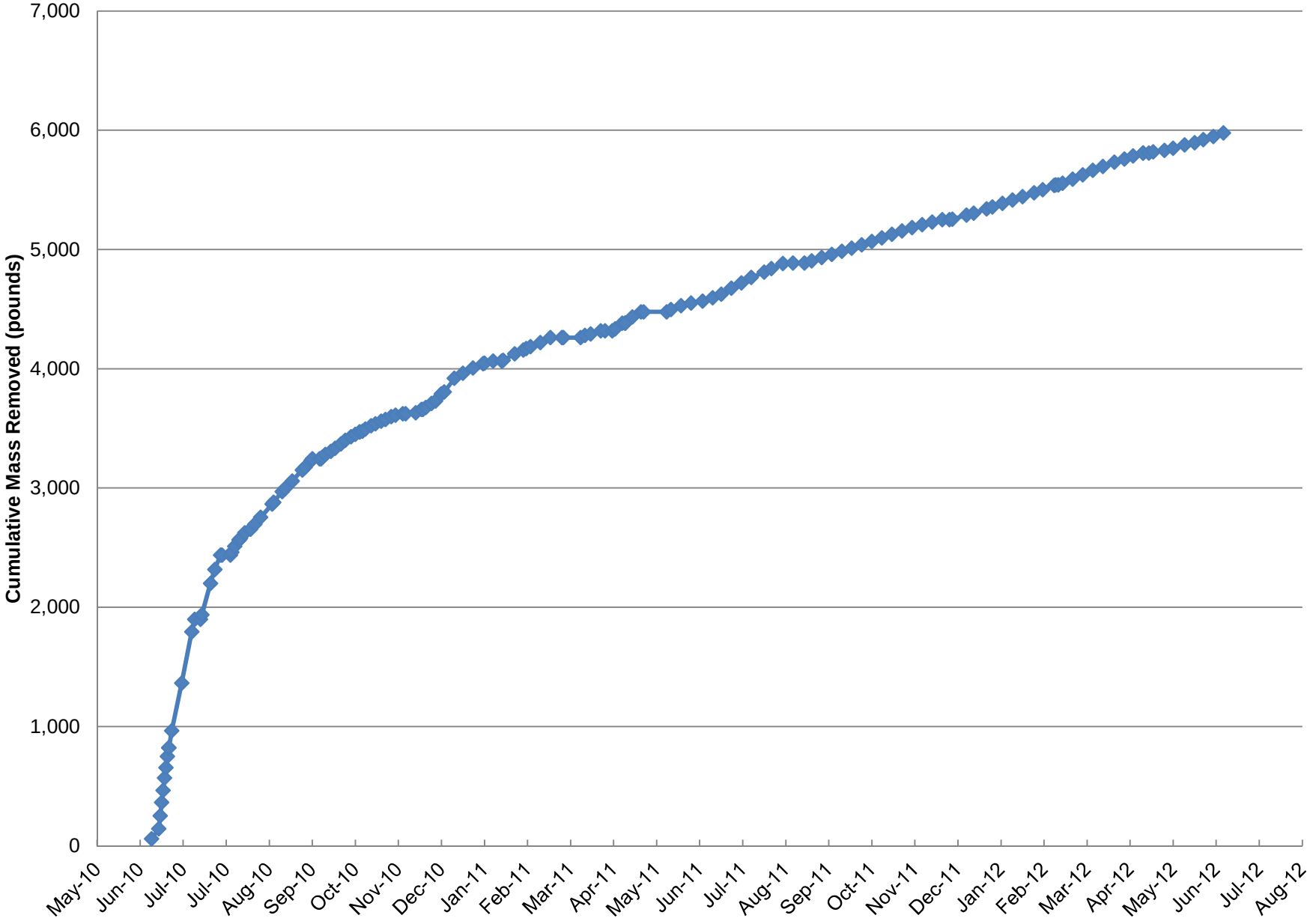
Note: Open symbol represent non-detected concentration at reporting limit

Figure D7 - ISVE1 Influent - Select Non-Chlorinated VOC Concentrations



Note: Open symbol represent non-detected concentration at reporting limit

Figure D8 - ISVE1 Cumulative Total VOC Mass Removal



7/5/2012

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VE-1M	26-36	6/3/2010	0.15	9,999 E
		6/9/2010	2.00	9,999 E
		7/7/2010	20.0	168
		8/4/2010	1.00	1,410
		9/8/2010	0.00	2,630
		9/15/2010	1.14	NM
		10/6/2010	1.30	1,680
		11/3/2010	1.35	1,670
		12/28/2010	1.96	2,010
		1/12/2011	1.77	632
		2/23/2011	1.63	9,999 E
		4/11/2011	1.26	425
		4/25/2011	0.02	75
		5/24/2011	-0.01	25
		6/30/2011	1.50	19
		7/22/2011	1.26	0.0
		8/23/2011	1.40	11
		9/7/2011	1.49	18
		10/17/2011	1.48	16
		11/21/2011	1.45	14
		12/20/2011	2.08	18
		1/30/2012	1.46	8.7
		2/27/2012	1.47	12
		3/27/2012	1.48	8.2
		4/23/2012	1.5	5.6
		5/21/2012	1.4	18
		6/11/2012	1.3	0.0
VE-2M	26-36	6/3/2010	0.00	9,999 E
		6/9/2010	0.00	11
		7/7/2010	5.00	29
		8/4/2010	0.00	28
		9/8/2010	0.00	9.6
		9/15/2010	0.32	NM
		10/6/2010	0.25	1.6
		11/3/2010	0.37	10
		12/28/2010	0.57	5.2
		1/12/2011	0.49	0.5
		2/23/2011	0.82	6.2
		4/11/2011	0.60	2.1
		4/25/2011	0.03	1.2
		5/24/2011	0.00	0.0
		6/30/2011	0.57	1.1
		7/22/2011	0.51	0.0
		8/23/2011	0.44	0.0
		9/7/2011	0.34	0.0
		10/17/2011	0.50	1.2
		11/21/2011	0.54	0.0
		12/20/2011	0.60	2.6
		1/30/2012	0.76	0.7
		2/27/2012	0.55	1.5
		3/27/2012	0.67	0.4
		4/23/2012	0.59	0.0
		5/21/2012	0.55	4.2
		6/11/2012	0.50	0.0

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VE-2S	12-22	6/3/2010	0.05	2,590
		6/9/2010	6.50	1,980
		7/7/2010	26.0	15
		8/4/2010	0.00	7.3
		9/8/2010	0.00	4.5
		9/15/2010	0.24	NM
		10/6/2010	0.28	2.1
		11/3/2010	0.29	4.7
		12/28/2010	0.46	2.5
		1/12/2011	0.39	0.0
		2/23/2011	0.44	4.5
		4/11/2011	0.43	4.2
		4/25/2011	0.02	0.9
		5/24/2011	0.00	0.0
		6/30/2011	0.46	5.7
		7/22/2011	0.42	0.0
		8/23/2011	0.34	0.0
		9/7/2011	0.44	0.0
		10/17/2011	0.41	0.0
		11/21/2011	0.44	0.0
		12/20/2011	0.47	2.2
		1/30/2012	0.45	1.2
		2/27/2012	0.45	0.9
		3/27/2012	0.49	0.3
		4/23/2012	0.48	0.0
		5/21/2012	0.44	9.1
		6/11/2012	0.42	0.0
VE-3M	26-36	6/3/2010	0.05	3,610
		6/9/2010	0.00	4,410
		7/7/2010	5.00	13
		8/4/2010	3.00	18
		9/8/2010	0.00	5.5
		9/15/2010	0.18	NM
		10/6/2010	0.20	6.9
		11/3/2010	0.21	12
		12/28/2010	0.31	3.5
		1/12/2011	0.25	0.0
		2/23/2011	0.31	3.9
		4/11/2011	0.35	1.7
		4/25/2011	0.02	1.8
		5/24/2011	-0.02	0.0
		6/30/2011	0.39	1.2
		7/22/2011	0.36	0.0
		8/23/2011	0.31	114
		9/7/2011	0.32	0.0
		10/17/2011	0.36	0.9
		11/21/2011	0.56	0.0
		12/20/2011	0.02	1.6
		1/30/2012	0.42	2.1
		2/27/2012	0.41	0.9
		3/27/2012	0.48	0.5
		4/23/2012	0.46	0.0
		5/21/2012	0.44	7.5
		6/11/2012	0.41	0.0

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VE-3S	12.5-22.5	6/3/2010	0.50	1,660
		6/9/2010	2.00	1,870
		7/7/2010	1.00	27.1
		8/4/2010	2.00	14.6
		9/8/2010	0.00	5.8
		9/15/2010	0.12	NM
		10/6/2010	0.15	2.3
		11/3/2010	0.15	6.4
		12/28/2010	0.25	2.3
		1/12/2011	0.20	0.0
		2/23/2011	0.27	2.2
		4/11/2011	0.78	0.1
		4/25/2011	0.03	0.5
		5/24/2011	-0.02	0.0
		6/30/2011	0.30	4.2
		7/22/2011	0.27	112
		8/23/2011	0.24	0.0
		9/7/2011	0.22	0.0
		10/17/2011	0.24	0.3
		11/21/2011	0.28	0.4
		12/20/2011	0.31	0.0
		1/30/2012	0.31	1.2
		2/27/2012	0.31	0.7
		3/27/2012	0.36	1.0
		4/23/2012	0.37	0.0
		5/21/2012	0.33	5.1
		6/11/2012	0.31	0.0
VE-4M	26-36	6/3/2010	1.00	9,999 E
		6/9/2010	0.00	9,999 E
		7/7/2010	0.00	2.4
		8/4/2010	1.00	52
		9/8/2010	0.00	19
		9/15/2010	0.59	NM
		10/6/2010	0.69	19
		11/3/2010	0.66	18
		12/28/2010	0.65	7.8
		1/12/2011	0.71	0.0
		2/23/2011	0.78	4.5
		4/11/2011	1.05	1.8
		4/25/2011	0.01	1.7
		5/24/2011	-0.02	0.9
		6/30/2011	1.18	1.5
		7/22/2011	1.07	96
		8/23/2011	0.84	0.0
		9/7/2011	0.84	0.0
		10/17/2011	0.96	0.7
		11/21/2011	1.08	3.7
		12/20/2011	1.12	1.3
		1/30/2012	1.10	1.9
		2/27/2012	1.19	1.3
		3/27/2012	1.24	0.6
		4/23/2012	1.2	0.0
		5/21/2012	1.2	3.9
		6/11/2012	1.1	1.0

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VE-4S	12-22	6/3/2010	0.50	4,230
		6/9/2010	1.50	9,710
		7/7/2010	23.0	80
		8/4/2010	0.00	22
		9/8/2010	0.00	8.7
		9/15/2010	0.56	NM
		10/6/2010	0.65	5.0
		11/3/2010	0.70	7.7
		12/28/2010	0.63	3.6
		1/12/2011	0.72	0.0
		2/23/2011	0.77	0.9
		4/11/2011	1.28	0.0
		4/25/2011	0.02	1.6
		5/24/2011	-0.01	0.0
		6/30/2011	1.15	1.9
		7/22/2011	1.08	0.0
		8/23/2011	0.81	0.0
		9/7/2011	0.81	0.0
		10/17/2011	0.92	1.0
		11/21/2011	1.06	0.0
		12/20/2011	1.09	2.1
		1/30/2012	1.09	0.5
		2/27/2012	1.17	1.6
		3/27/2012	1.22	0.5
		4/23/2012	1.2	0.0
		5/21/2012	1.1	2.3
		6/11/2012	1.0	1.4
VE-5M	26-36	6/3/2010	0.15	241
		6/9/2010	4.00	80
		7/7/2010	7.00	9,999 E
		8/4/2010	1.00	9,999 E
		9/8/2010	0.50	1,620
		9/15/2010	1.94	NM
		10/6/2010	2.04	1,480
		11/3/2010	1.83	1,330
		12/28/2010	2.21	3,000
		1/12/2011	1.82	2,500
		2/23/2011	1.85	42
		4/11/2011	3.18	1,590
		4/25/2011	0.04	232
		5/24/2011	-0.01	64
		6/30/2011	3.18	17
		7/22/2011	3.73	0.0
		8/23/2011	3.06	19
		9/7/2011	2.92	122
		10/17/2011	2.90	26
		11/21/2011	3.58	26
		12/20/2011	3.70	29
		1/30/2012	1.18	16
		2/27/2012	3.60	24
		3/27/2012	4.09	1.7
		4/23/2012	4.1	8.3
		5/21/2012	3.9	26
		6/11/2012	3.2	6.2

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VE-6S **	10-30	6/3/2010	0.00	76
		6/9/2010	0.00	26
		7/7/2010	1.00	48
		8/4/2010	4.00	35
		9/8/2010	0.00	2.2
		9/15/2010	NM	NM
		10/6/2010	0.00	132
		11/3/2010	0.02	125
		12/28/2010	0.03	28
		1/12/2011	0.05	8.1
		2/23/2011	0.11	6.6
		4/11/2011	0.49	69
		4/25/2011	0.13	12
		5/24/2011	-0.01	51
		6/30/2011	0.20	115
		7/22/2011	0.00	0.0
		8/23/2011	0.20	5.1
		9/7/2011	0.20	27
VE-7S	10-30	6/3/2010	0.00	9,999 E
		6/9/2010	5.50	9,999 E
		7/7/2010	20.0	356
		8/4/2010	2.00	187
		9/8/2010	0.00	175
		9/15/2010	NM	NM
		10/6/2010	0.20	27
		11/3/2010	0.19	106
		12/28/2010	0.28	49
		1/12/2011	0.28	111
		2/23/2011	0.30	60
		4/11/2011	0.31	148
		4/25/2011	0.05	32
		5/24/2011	0.02	37
		6/30/2011	0.37	39
		7/22/2011	0.31	56
		8/23/2011	0.26	0.2
		9/7/2011	0.25	22
		10/17/2011	0.31	1.1
		11/21/2011	0.34	0.0
		12/20/2011	0.28	2.5
		1/30/2012	0.32	1.4
		2/27/2012	0.31	1.7
		3/27/2012	0.38	0.9
		4/23/2012	0.39	0.0
		5/21/2012	0.40	2.0
		6/11/2012	0.34	1.3

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-1	40-45	6/3/2010	0.00	9,999 E
		6/9/2010	1.00	9,999 E
		7/7/2010	1.00	652
		8/4/2010	1.00	429
		9/8/2010	0.00	182
		9/15/2010	0.53	NM
		10/6/2010	0.20	40
		11/3/2010	0.61	46
		12/28/2010	0.88	38
		1/12/2011	0.69	6.7
		2/23/2011	0.76	2.3
		4/11/2011	0.93	2.5
		4/25/2011	0.08	5.3
		5/24/2011	-0.01	2.7
		6/30/2011	1.05	3.4
		7/22/2011	0.93	0.0
		8/23/2011	0.68	0.2
		9/7/2011	0.70	0.0
		10/17/2011	0.84	2.5
		11/21/2011	0.98	2.0
		12/20/2011	1.02	2.0
		1/30/2012	0.93	0.9
		2/27/2012	1.07	2.8
		3/27/2012	1.11	0.9
		4/23/2012	1.1	0.0
		5/21/2012	1.0	5.9
		6/11/2012	0.95	0.0
VMP-2	33.5-35	6/3/2010	1.00	9,999 E
		6/9/2010	1.50	9,999 E
		7/7/2010	14.0	326
		8/4/2010	1.00	177
		9/8/2010	0.00	30
		9/15/2010	0.59	NM
		10/6/2010	0.13	16
		11/3/2010	0.68	23
		12/28/2010	0.97	12
		1/12/2011	0.76	0.0
		2/23/2011	0.84	10
		4/11/2011	1.48	3.2
		4/25/2011	-0.02	0.7
		5/24/2011	0.01	0.0
		6/30/2011	1.18	0.5
		7/22/2011	1.10	114
		8/23/2011	0.85	0.3
		9/7/2011	0.23	77
		10/17/2011	0.97	0.4
		11/21/2011	1.91	0.7
		12/20/2011	1.14	1.5
		1/30/2012	1.12	0.8
		2/27/2012	1.19	1.4
		3/27/2012	1.26	0.7
		4/23/2012	1.2	0.0
		5/21/2012	1.2	4.3
		6/11/2012	1.0	1.1

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-3	40-45	6/3/2010	0.00	2,890.0
		6/9/2010	0.00	2,020.0
		7/7/2010	24.0	7.9
		8/4/2010	8.00	11.0
		9/8/2010	0.00	12
		9/15/2010	0.12	NM
		10/6/2010	0.12	4.8
		11/3/2010	0.17	14
		12/28/2010	0.20	3.8
		1/12/2011	0.07	0.0
		2/23/2011	0.11	1.1
		4/11/2011	0.05	7.2
		4/25/2011	0.02	0.8
		5/24/2011	0.00	0.0
		6/30/2011	-0.02	1.2
		7/22/2011	0.04	0.0
		8/23/2011	0.06	0.0
		9/7/2011	0.03	0.0
		10/17/2011	0.02	1.1
		11/21/2011	0.10	0.0
		12/20/2011	0.04	1.3
		1/30/2012	0.11	1.7
		2/27/2012	0.08	1.4
		3/27/2012	0.11	0.9
		4/23/2012	0.08	0.0
		5/21/2012	0.07	5.9
		6/11/2012	0.05	0.7
VMP-4	40-45	6/3/2010	0.00	130
		6/9/2010	0.00	211
		7/7/2010	17.0	73
		8/4/2010	2.00	51
		9/8/2010	0.00	43
		9/15/2010	NM	NM
		10/6/2010	0.01	38
		11/3/2010	0.02	26
		12/28/2010	0.06	22
		1/12/2011	0.06	13
		2/23/2011	0.10	9.2
		4/11/2011	0.07	9.2
		4/25/2011	0.04	3.9
		5/24/2011	-0.02	5.3
		6/30/2011	2.38	78
		7/22/2011	2.42	40
		8/23/2011	2.40	350
		9/7/2011	2.36	0.0
		10/17/2011	2.53	239
		11/21/2011	2.55	229
		12/20/2011	2.40	345
		1/30/2012	2.39	344
		2/27/2012	2.19	274
		3/27/2012	2.18	217
		4/23/2012	2.2	271
		5/21/2012	2.2	50
		6/11/2012	2.1	130

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-5	40-45	6/3/2010	0.50	3,450
		6/9/2010	0.00	3,040
		7/7/2010	14.0	187
		8/4/2010	1.00	121
		9/8/2010	0.00	33
		9/15/2010	NM	NM
		10/6/2010	0.14	35
		11/3/2010	0.14	21
		12/28/2010	0.24	22
		1/12/2011	0.25	24
		2/23/2011	0.29	182
		4/11/2011	0.26	20
		4/25/2011	0.08	1,070
		5/24/2011	0.01	3.8
		6/30/2011	0.00	8.5
		7/22/2011	0.23	0.0
		8/23/2011	0.17	3.6
		9/7/2011	0.15	0.0
		10/17/2011	0.18	2.1
		11/21/2011	0.02	0.3
		12/20/2011	0.18	2.7
		1/30/2012	0.19	1.7
		2/27/2012	0.18	2.7
		3/27/2012	0.33	1.0
		4/23/2012	0.32	0.2
		5/21/2012	0.29	2.2
		6/11/2012	0.24	1.5
VMP-6	40-45	6/3/2010	0.00	9,999 E
		6/9/2010	11.5	9,999 E
		7/7/2010	19.0	9,999 E
		8/4/2010	0.00	5,050
		9/8/2010	1.50	3,170
		9/15/2010	NM	NM
		10/6/2010	1.80	2,390
		11/3/2010	1.78	1,880
		12/28/2010	2.06	2,650
		1/12/2011	2.14	4,600
		2/23/2011	2.03	122
		4/11/2011	2.06	1,420
		4/25/2011	0.07	12
		5/24/2011	0.01	173
		6/30/2011	1.63	230
		7/22/2011	0.00	79
		8/23/2011	1.71	336
		9/7/2011	1.69	2.4
		10/17/2011	1.99	395
		11/21/2011	2.20	376
		12/20/2011	2.11	392
		1/30/2012	2.08	415
		2/27/2012	2.09	379
		3/27/2012	2.19	219
		4/23/2012	2.2	398
		5/21/2012	2.1	131
		6/11/2012	2.0	131

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-11	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	18.0	61
		8/4/2010	8.00	33
		9/8/2010	0.00	1.3
		9/15/2010	NM	NM
		10/6/2010	2.58	13
		11/3/2010	0.29	16
		12/14/2010	0.32	0.2
		1/12/2011	0.37	1.8
		2/23/2011	0.41	47
		4/11/2011	0.34	1.2
		4/25/2011	0.09	1.1
		5/24/2011	-0.01	0.0
		6/30/2011	0.27	8.0
		7/22/2011	0.25	60
		8/23/2011	0.21	0.1
		9/7/2011	0.25	0.6
		10/17/2011	0.26	2.1
		11/21/2011	0.27	2.7
		12/20/2011	0.28	2.7
		1/30/2012	0.22	2.0
		2/27/2012	0.21	0.7
		3/27/2012	0.24	0.9
		4/23/2012	0.32	0.4
		5/21/2012	0.25	2.6
		6/11/2012	0.25	1.4
VMP-12	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	19.0	266
		8/4/2010	6.00	129
		9/8/2010	0.00	47
		9/15/2010	NM	NM
		10/6/2010	0.32	51
		11/3/2010	0.30	21
		12/14/2010	0.36	9.3
		1/12/2011	0.40	6.0
		2/23/2011	0.52	24
		4/11/2011	0.44	3.6
		4/25/2011	0.07	3.2
		5/24/2011	0.00	2.2
		6/30/2011	0.30	10
		7/22/2011	0.24	77
		8/23/2011	0.11	5.6
		9/7/2011	0.16	5.9
		10/17/2011	0.30	2.1
		11/21/2011	2.48	3.7
		12/20/2011	0.27	1.2
		1/30/2012	0.25	418
		2/27/2012	0.16	142
		3/27/2012	0.30	10
		4/23/2012	0.29	2.6
		5/21/2012	0.28	3.6
		6/11/2012	0.26	2.7

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-13	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	2.00	3.3
		8/4/2010	0.00	2.8
		9/8/2010	0.00	2.5
		9/15/2010	NM	NM
		10/6/2010	0.12	0.8
		11/3/2010	0.13	3.9
		12/14/2010	0.15	0.0
		1/12/2011	0.31	0.0
		2/23/2011	0.42	7.0
		4/11/2011	0.37	0.5
		4/25/2011	0.02	0.0
		5/24/2011	0.00	0.0
		6/30/2011	0.13	0.5
		7/22/2011	0.03	79
		8/23/2011	0.03	0.0
		9/7/2011	0.03	0.0
		10/17/2011	0.14	0.0
		11/21/2011	0.20	0.0
		12/20/2011	0.16	0.6
		1/30/2012	0.21	0.3
		2/27/2012	0.21	0.4
		3/27/2012	0.25	0.1
		4/23/2012	0.35	0.0
		5/21/2012	0.13	3.1
		6/11/2012	0.08	0.4
VMP-14	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	0.00	19
		8/4/2010	6.00	4.4
		9/8/2010	0.00	2.3
		9/15/2010	NM	NM
		10/6/2010	0.30	1.2
		11/3/2010	0.32	17
		12/14/2010	0.25	4.8
		1/12/2011	0.52	49
		2/23/2011	0.75	124
		4/11/2011	0.80	108
		4/25/2011	0.04	37
		5/24/2011	-0.01	2.4
		6/30/2011	0.24	15
		7/22/2011	0.16	51
		8/23/2011	0.22	0.0
		9/7/2011	0.17	0.0
		10/17/2011	0.25	0.0
		11/21/2011	0.43	0.0
		12/20/2011	0.34	0.9
		1/30/2012	0.21	2.3
		2/27/2012	0.31	0.1
		3/27/2012	0.36	0.8
		4/23/2012	0.42	0.0
		5/21/2012	0.19	2.0
		6/11/2012	0.18	0.6

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-15	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	10.0	49.4
		8/4/2010	1.00	15
		9/8/2010	0.00	8.0
		9/15/2010	NM	NM
		10/6/2010	0.58	2.7
		11/3/2010	0.62	11
		12/14/2010	0.62	1.9
		1/12/2011	0.76	1.8
		2/23/2011	1.02	51
		4/11/2011	0.87	1.5
		4/25/2011	0.05	0.0
		5/24/2011	0.01	0.0
		6/30/2011	0.62	10
		7/22/2011	0.57	69
		8/23/2011	0.44	4.5
		9/7/2011	0.55	2.9
		10/17/2011	0.62	0.0
		11/21/2011	0.65	0.2
		12/20/2011	0.65	2.5
		1/30/2012	0.68	58
		2/27/2012	0.56	2.0
		3/27/2012	0.67	1.3
		4/23/2012	0.69	0.0
		5/21/2012	0.55	3.4
		6/11/2012	0.54	8.3
VMP-16	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	0.00	46
		8/4/2010	6.00	21
		9/8/2010	0.00	7.5
		9/15/2010	NM	NM
		10/6/2010	0.63	17
		11/3/2010	0.73	8.3
		12/14/2010	0.70	2.5
		1/12/2011	0.67	1.0
		2/23/2011	0.90	10
		4/11/2011	0.79	0.6
		4/25/2011	0.02	1.4
		5/24/2011	0.12	0.0
		6/30/2011	0.45	2.5
		7/22/2011	0.05	80
		8/23/2011	0.32	0.0
		9/7/2011	0.53	6.7
		10/17/2011	0.36	3.5
		11/21/2011	0.23	0.3
		12/20/2011	0.12	98
		1/30/2012	0.61	2.2
		2/27/2012	0.44	2.6
		3/27/2012	0.28	0.7
		4/23/2012	0.65	0.0
		5/21/2012	0.26	2.5
		6/11/2012	0.35	0.7

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-17	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	8.00	35
		8/4/2010	6.00	8.7
		9/8/2010	0.00	5.0
		9/15/2010	NM	NM
		10/6/2010	0.54	3.7
		11/3/2010	0.29	6.6
		12/14/2010	0.48	1.1
		1/12/2011	0.60	1.8
		2/23/2011	0.80	39
		4/11/2011	0.71	0.0
		4/25/2011	0.04	0.0
		5/24/2011	0.01	0.0
		6/30/2011	0.51	1.0
		7/22/2011	0.44	65
		8/23/2011	0.23	0.0
		9/7/2011	0.37	0.0
		10/17/2011	0.45	0.0
		11/21/2011	0.63	0.0
		12/20/2011	0.55	1.0
		1/30/2012	0.59	0.7
		2/27/2012	0.52	0.2
		3/27/2012	0.68	0.6
		4/23/2012	0.61	0.0
		5/21/2012	0.51	1.2
		6/11/2012	0.45	0.6
VMP-18	10-30	6/3/2010	0.00	580
		6/9/2010	9.00	784
		7/7/2010	30.0	219
		8/4/2010	0.00	99
		9/8/2010	0.00	74
		9/15/2010	NM	NM
		10/6/2010	0.30	40
		11/3/2010	0.03	31
		12/28/2010	0.06	11
		1/12/2011	0.05	21
		2/23/2011	0.14	8.5
		4/11/2011	0.28	3.5
		4/25/2011	0.11	3.1
		5/24/2011	-0.01	0.3
		6/30/2011	0.28	3.3
		7/22/2011	0.08	1.6
		8/23/2011	0.04	0.8
		9/7/2011	0.06	0.0
		10/17/2011	0.06	0.8
		11/21/2011	0.09	0.0
		12/20/2011	NM	NM
		1/30/2012	NM	NM
		2/27/2012	0.06	2.2
		3/27/2012	0.09	1.3
		4/23/2012	0.14	0.1
		5/21/2012	0.10	8.5
		6/11/2012	0.05	1.1

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-19	10-30	6/3/2010	0.00	564
		6/9/2010	0.50	691
		7/7/2010	31.0	123
		8/4/2010	0.00	96
		9/8/2010	0.00	67
		9/15/2010	NM	NM
		10/6/2010	0.00	51
		11/3/2010	0.01	41
		12/28/2010	0.01	12
		1/12/2011	0.02	11
		2/23/2011	0.12	20
		4/11/2011	0.01	17
		4/25/2011	0.12	1.9
		5/24/2011	-0.01	8.4
		6/30/2011	0.01	21
		7/22/2011	0.02	17
		8/23/2011	0.01	14
		9/7/2011	0.02	8.4
		10/17/2011	0.02	11
		11/21/2011	0.01	8.0
		12/20/2011	0.00	8.1
		1/30/2012	0.00	6.6
		2/27/2012	0.00	2.8
		3/27/2012	0.03	3.8
		4/23/2012	0.00	4.5
		5/21/2012	0.01	7.3
		6/11/2012	0.02	7.0
VMP-20	10-30	6/3/2010	0.05	2,180
		6/9/2010	1.00	9,999 E
		7/7/2010	19.0	71.0
		8/4/2010	1.00	56.7
		9/8/2010	0.00	12.6
		9/15/2010	NM	NM
		10/6/2010	0.68	9.3
		11/3/2010	0.69	13
		12/28/2010	1.02	3.0
		1/12/2011	0.85	2.6
		2/23/2011	0.91	2.8
		4/11/2011	1.28	3.3
		4/25/2011	0.04	1.2
		5/24/2011	0.02	0.0
		6/30/2011	1.62	0.0
		7/22/2011	1.14	0.0
		8/23/2011	0.09	0.6
		9/7/2011	0.83	0.0
		10/17/2011	0.95	3.1
		11/21/2011	1.11	1.1
		12/20/2011	1.13	2.7
		1/30/2012	3.85	2.8
		2/27/2012	1.26	3.0
		3/27/2012	1.32	1.3
		4/23/2012	1.3	0.0
		5/21/2012	1.3	19
		6/11/2012	1.2	1.4

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-21	10-30	6/3/2010	0.45	604
		6/9/2010	7.00	1,060
		7/7/2010	16.0	181
		8/4/2010	0.00	112
		9/8/2010	0.00	42
		9/15/2010	NM	NM
		10/6/2010	0.17	28
		11/3/2010	0.18	11
		12/28/2010	0.18	11
		1/12/2011	0.17	4.8
		2/23/2011	0.25	8.4
		4/11/2011	0.26	3.0
		4/25/2011	0.12	1.5
		5/24/2011	-0.02	0.0
		6/30/2011	0.42	2.0
		7/22/2011	0.38	131
		8/23/2011	0.34	0.5
		9/7/2011	0.27	0.0
		10/17/2011	0.37	1.2
		11/21/2011	0.32	0.0
		12/20/2011	0.45	2.3
		1/30/2012	0.37	2.6
		2/27/2012	0.42	1.4
		3/27/2012	0.50	0.6
		4/23/2012	0.52	0.0
		5/21/2012	0.47	2.6
		6/11/2012	0.43	1.2
VMP-22	10-30	6/3/2010	0.00	1,550
		6/9/2010	0.50	9,999 E
		7/7/2010	19.0	357
		8/4/2010	0.00	117
		9/8/2010	0.00	62
		9/15/2010	NM	NM
		10/6/2010	0.18	41
		11/3/2010	0.17	29
		12/28/2010	0.25	19
		1/12/2011	0.04	14
		2/23/2011	0.25	14
		4/11/2011	0.27	16
		4/25/2011	0.34	3.9
		5/24/2011	0.02	3.7
		6/30/2011	0.51	7.0
		7/22/2011	0.40	52
		8/23/2011	0.33	0.2
		9/7/2011	0.34	0.6
		10/17/2011	0.38	2.2
		11/21/2011	0.42	0.8
		12/20/2011	0.40	2.7
		1/30/2012	0.40	2.8
		2/27/2012	0.41	1.8
		3/27/2012	0.47	0.8
		4/23/2012	0.64	0.0
		5/21/2012	0.50	1.0
		6/11/2012	0.44	1.3

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-23	10-30	6/3/2010	0.00	4,330
		6/9/2010	0.00	9,999 E
		7/7/2010	26.0	2,860
		8/4/2010	5.00	183
		9/8/2010	0.00	820
		9/15/2010	NM	NM
		10/6/2010	0.07	7.5
		11/3/2010	0.03	255
		12/14/2010	0.05	159
		1/12/2011	0.08	100
		2/23/2011	0.10	114
		4/11/2011	0.02	90
		4/25/2011	0.06	27
		5/24/2011	0.00	12
		6/30/2011	0.00	42
		7/22/2011	0.04	0.0
		8/23/2011	0.06	12
		9/7/2011	0.01	14
		10/17/2011	0.03	30
		11/21/2011	0.03	20
		12/20/2011	0.02	25
		1/30/2012	0.06	22
		2/27/2012	0.01	31
		3/27/2012	0.04	11
		4/23/2012	0.05	13
		5/21/2012	0.03	14
		6/11/2012	0.03	5.8
VMP-24	10-30	6/3/2010	0.00	1,270
		6/9/2010	0.50	9,999 E
		7/7/2010	21.0	420
		8/4/2010	1.00	266
		9/8/2010	0.00	105
		9/15/2010	NM	NM
		10/6/2010	0.00	297
		11/3/2010	0.06	51
		12/14/2010	0.12	33
		1/12/2011	0.13	21
		2/23/2011	0.21	20
		4/11/2011	0.13	6.3
		4/25/2011	0.06	0.5
		5/24/2011	-0.01	0.0
		6/30/2011	1.34	11
		7/22/2011	1.66	0.0
		8/23/2011	0.10	3.5
		9/7/2011	0.10	6.1
		10/17/2011	0.11	15
		11/21/2011	0.10	7.9
		12/20/2011	0.11	10
		1/30/2012	0.11	6.1
		2/27/2012	0.12	6.2
		3/27/2012	0.31	2.5
		4/23/2012	0.02	1.2
		5/21/2012	0.09	5.7
		6/11/2012	0.08	1.0

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-25	10-30	6/3/2010	0.00	1,030
		6/9/2010	0.00	867
		7/7/2010	19.0	73
		8/4/2010	0.00	52
		9/8/2010	0.00	17
		9/15/2010	NM	NM
		10/6/2010	0.00	14
		11/3/2010	0.00	21
		12/14/2010	0.01	2.9
		1/12/2011	0.02	0.3
		2/23/2011	0.07	6.4
		4/11/2011	0.01	3.1
		4/25/2011	0.11	1.0
		5/24/2011	0.00	0.0
		6/30/2011	0.00	7.3
		7/22/2011	0.01	0.0
		8/23/2011	0.01	10
		9/7/2011	0.00	22
		10/17/2011	0.01	2.7
		11/21/2011	0.01	0.0
		12/20/2011	0.01	6.0
		1/30/2012	0.03	1.4
		2/27/2012	0.01	2.4
		3/27/2012	-0.01	0.7
		4/23/2012	0.02	0.0
		5/21/2012	-0.01	3.7
		6/11/2012	0.02	1.9
VMP-26 *	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	NM	NM
		8/4/2010	NM	NM
		9/8/2010	NM	NM
		9/15/2010	NM	NM
		10/6/2010	0.00	19
		11/3/2010	0.05	8.3
		12/28/2010	0.11	2.1
		1/12/2011	0.07	0.6
		2/23/2011	0.16	2.4
		4/11/2011	0.14	0.8
		4/25/2011	0.10	2.7
		5/24/2011	-0.02	0.7
		6/30/2011	0.34	41
		7/22/2011	0.28	200
		8/23/2011	0.25	0.0
		9/7/2011	0.24	17
		10/17/2011	0.27	0.5
		11/21/2011	0.25	0.0
		12/20/2011	0.22	1.3
		1/30/2012	0.24	1.6
		2/27/2012	0.23	0.9
		3/27/2012	0.29	0.3
		4/23/2012	0.33	0.0
		5/21/2012	0.34	0.9
		6/11/2012	0.30	1.2

Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-27 *	10-30	6/3/2010	NM	NM
		6/9/2010	NM	NM
		7/7/2010	NM	NM
		8/4/2010	NM	NM
		9/8/2010	NM	NM
		9/15/2010	NM	NM
		10/6/2010	0.05	2.0
		11/3/2010	0.00	14
		12/28/2010	0.01	1.4
		1/12/2011	0.03	0.0
		2/23/2011	0.09	1.8
		4/11/2011	0.02	0.5
		4/25/2011	0.09	1.8
		5/24/2011	0.00	0.0
		6/30/2011	0.09	2.1
		7/22/2011	0.07	0.0
		8/23/2011	0.09	0.0
		9/7/2011	0.08	0.0
		10/17/2011	0.21	0.0
		11/21/2011	0.07	0.0
		12/20/2011	0.08	1.5
		1/30/2012	0.07	1.2
		2/27/2012	0.07	40
		3/27/2012	0.09	0.2
		4/23/2012	0.10	0.0
		5/21/2012	0.09	1.2
		6/11/2012	0.08	0.9

Notes:

*Additional wells installed in October 2010

**Converted to vapor extraction well in April 2011

E - Excceds PID range of detection

NM - Not measured.

ft bgs - feet below ground surface

ppmv - parts per million by volume

in H_2O - inches of water

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-1S	12.5-22.5	6/3/2010	100	0933	86	11.47	NM	83	1530
VE-1S	12.5-22.5	6/9/2010	100	0956	80	7.85	NM	78	2629
VE-1S	12.5-22.5	6/14/2010	50	1435	97	6.30	NM	89	240
VE-1S	12.5-22.5	6/15/2010	50	0953	86	6.25	NM	81	261
VE-1S	12.5-22.5	6/16/2010	25	1148	93	4.10	NM	54	336
VE-1S	12.5-22.5	6/17/2010	25	1016	83	4.40	NM	48	1098
VE-1S	12.5-22.5	6/18/2010	25	1135	79	4.45	NM	45	974
VE-1S	12.5-22.5	6/19/2010	25	1004	82	4.45	NM	47	902
VE-1S	12.5-22.5	6/20/2010	25	1013	80	4.75	NM	45	815
VE-1S	12.5-22.5	6/23/2010	25	1010	82	4.55	NM	45	700
VE-1S	12.5-22.5	6/30/2010	40	0935	78	4.80	NM	44	435
VE-1S	12.5-22.5	7/7/2010	40	1733	83	5.10	NM	45	340
VE-1S	12.5-22.5	7/14/2010	40	1349	97	4.40	NM	51	345
VE-1S	12.5-22.5	7/20/2010	40	1101	92	4.65	NM	47	254
VE-1S	12.5-22.5	7/23/2010	40	1228	95	5.65	NM	55	167
VE-1S	12.5-22.5	8/4/2010	40	1137	92	4.15	NM	52	157
VE-1S	12.5-22.5	8/6/2010	40	1238	90	4.60	NM	49	200
VE-1S	12.5-22.5	8/10/2010	NM	1534	95	4.75	NM	57	184
VE-1S	12.5-22.5	8/13/2010	40	1126	92	4.75	NM	66	164
VE-1S	12.5-22.5	8/17/2010	40	1720	97	4.65	19	61	118
VE-1S	12.5-22.5	8/20/2010	40	1234	96	4.60	23	57	210
VE-1S	12.5-22.5	8/24/2010	40	1635	100	4.75	14	57	175
VE-1S	12.5-22.5	9/1/2010	40	0945	84	4.85	34	46	157
VE-1S	12.5-22.5	9/8/2010	40	1402	83	4.95	35	44	106
VE-1S	12.5-22.5	9/10/2010	NM	1305	83	4.90	27	49	104
VE-1S	12.5-22.5	9/15/2010	NM	1440	92	5.15	28	53	120
VE-1S	12.5-22.5	9/22/2010	NM	1205	73	4.80	54	46	123
VE-1S	12.5-22.5	9/24/2010	NM	1045	90	4.80	31	58	81
VE-1S	12.5-22.5	9/28/2010	40	1151	95	4.90	28	57	80
VE-1S	12.5-22.5	10/6/2010	40	1110	71	4.70	75	55	83
VE-1S	12.5-22.5	10/8/2010	NM	1324	86	4.80	29	61	84
VE-1S	12.5-22.5	10/12/2010	40	1510	87	5.05	37	57	78
VE-1S	12.5-22.5	10/15/2010	40	1250	69	5.00	72	46	87
VE-1S	12.5-22.5	10/19/2010	40	1145	72	5.10	72	50	82
VE-1S	12.5-22.5	10/22/2010	40	1210	71	5.20	64	52	75
VE-1S	12.5-22.5	10/26/2010	40	0745	68	5.10	63	54	79
VE-1S	12.5-22.5	10/29/2010	40	1210	90	5.30	22	56	66
VE-1S	12.5-22.5	11/3/2010	40	0815	69	5.05	36	48	69
VE-1S	12.5-22.5	11/5/2010	40	0835	72	5.25	41	54	66
VE-1S	12.5-22.5	11/9/2010	40	1300	80	5.35	20	53	65
VE-1S	12.5-22.5	11/12/2010	40	0650	50	5.60	49	48	73
VE-1S	12.5-22.5	11/16/2010	40	0730	56	5.55	59	75	65
VE-1S	12.5-22.5	11/19/2010	40	0625	72	5.35	31	58	59
VE-1S	12.5-22.5	11/23/2010	50	1543	68	5.45	37	50	61
VE-1S	12.5-22.5	11/26/2010	50	0930	71	5.70	48	57	62
VE-1S	12.5-22.5	12/1/2010	50	1158	70	5.20	52	58	52
VE-1S	12.5-22.5	12/3/2010	50	0725	60	5.70	40	71	61
VE-1S	12.5-22.5	12/10/2010	50	0820	70	3.50	50	71	65
VE-1S	12.5-22.5	12/14/2010	NM	1130	64	3.95	86	95	63
VE-1S	12.5-22.5	12/17/2010	50	0750	61	4.00	68	78	62
VE-1S	12.5-22.5	12/21/2010	50	1155	70	4.30	75	71	NM
VE-1S	12.5-22.5	12/24/2010	50	50	58	4.25	60	79	NM
VE-1S	12.5-22.5	12/28/2010	50	1025	75	4.40	44	110	NM
VE-1S	12.5-22.5	12/30/2010	NM	1148	70	3.10	18	101	79

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-1S	12.5-22.5	1/6/2011	50	1035	72	4.80	33	80	57
VE-1S	12.5-22.5	1/12/2011	50	1050	82	6.55	22	128	25
VE-1S	12.5-22.5	1/19/2011	50	1110	80	5.65	32	92	22
VE-1S	12.5-22.5	1/26/2011	50	0945	84	6.00	23	82	24
VE-1S	12.5-22.5	1/27/2011	50	0815	62	6.10	--	50	--
VE-1S	12.5-22.5	2/2/2011	50	1125	64	5.50	--	64	29
VE-1S	12.5-22.5	2/9/2011	50	1436	85	4.55	8	66	18
VE-1S	12.5-22.5	2/17/2011	50	0820	64	4.40	43	55	6
VE-1S	12.5-22.5	2/23/2011	50	1445	69	5.70	54	71	28
VE-1S	12.5-22.5	2/28/2011	50	1105	82	5.55	41	72	18
VE-1S	12.5-22.5	3/7/2011	50	1050	98	5.40	41	59	22
VE-1S	12.5-22.5	3/14/2011	50	1525	85	5.20	30	56	19
VE-1S	12.5-22.5	4/7/2011	50	1230	81	5.10	55	58	2
VE-1S	12.5-22.5	4/11/2011	50	0725	70	5.30	59	47	10
VE-1S	12.5-22.5	4/18/2011	50	1145	70	4.60	50	49	4
VE-1S	12.5-22.5	4/28/2011	100	0951	88	3.45	32	43	1
VE-1S	12.5-22.5	5/3/2011	100	0830	84	5.70	30	70	6
VE-1S	12.5-22.5	5/10/2011	100	1400	83	5.60	29	60	3
VE-1S	12.5-22.5	5/16/2011	100	1115	86	5.75	35	59	3
VE-1S	12.5-22.5	6/6/2011	100	0935	81	5.45	34	59	16
VE-1S	12.5-22.5	6/13/2011	100	1155	83	5.40	48	60	3
VE-1S	12.5-22.5	6/20/2011	100	1450	102	5.25	42	62	4
VE-1S	12.5-22.5	6/27/2011	100	1120	92	5.40	44	63	7
VE-1S	12.5-22.5	7/5/2011	100	1055	100	5.45	37	64	6
VE-1S	12.5-22.5	7/11/2011	100	0845	74	76.0	35	46	2
VE-1S	12.5-22.5	7/18/2011	100	1010	87	5.60	43	56	4
VE-1S	12.5-22.5	7/25/2011	100	0830	92	5.65	40	49	3
VE-1S	12.5-22.5	8/1/2011	100	0735	82	5.90	50	48	4
VE-1S	12.5-22.5	8/10/2011	100	0820	73	5.55	44	51	3
VE-1S	12.5-22.5	8/15/2011	100	1100	97	5.60	45	57	9
VE-1S	12.5-22.5	8/23/2011	100	1455	108	5.75	47	62	7
VE-1S	12.5-22.5	8/30/2011	100	0815	73	5.50	44	55	8
VE-1S	12.5-22.5	9/7/2011	100	1525	107	5.40	29	78	5
VE-1S	12.5-22.5	9/12/2011	100	1005	81	5.60	48	57	11
VE-1S	12.5-22.5	9/19/2011	100	1345	92	5.70	51	64	11
VE-1S	12.5-22.5	9/26/2011	100	1155	82	5.85	52	53	13
VE-1S	12.5-22.5	10/3/2011	100	1100	88	5.80	44	60	9
VE-1S	12.5-22.5	10/10/2011	100	1115	86	5.75	46	64	9
VE-1S	12.5-22.5	10/17/2011	100	1320	87	5.85	32	58	7
VE-1S	12.5-22.5	10/24/2011	100	1135	70	6.00	51	55	10
VE-1S	12.5-22.5	10/31/2011	100	0915	70	5.95	50	56	11
VE-1S	12.5-22.5	11/7/2011	100	1115	64	6.00	47	54	8
VE-1S	12.5-22.5	11/14/2011	100	1105	81	6.00	39	56	7
VE-1S	12.5-22.5	11/21/2011	100	1405	70	6.00	49	NM	8
VE-1S	12.5-22.5	11/28/2011	100	1100	85	6.00	30	68	7
VE-1S	12.5-22.5	12/5/2011	100	0925	65	6.00	49	74	4
VE-1S	12.5-22.5	12/19/2011	100	1140	61	5.90	61	96	7
VE-1S	12.5-22.5	12/29/2011	100	1035	79	5.90	68	97	8
VE-1S	12.5-22.5	1/3/2012	100	1055	95	5.90	36	81	8.0
VE-1S	12.5-22.5	1/12/2012	100	1130	80	5.75	35	77	8.0
VE-1S	12.5-22.5	1/16/2012	100	1305	65	5.75	47	75	5.7
VE-1S	12.5-22.5	1/23/2012	100	1155	56	5.70	89	NM	4.6
VE-1S	12.5-22.5	1/30/2012	100	1300	76	5.60	85	68	4.7

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-1S	12.5-22.5	2/6/2012	100	1025	74	5.55	66	65	3.7
VE-1S	12.5-22.5	2/14/2012	100	1115	67	5.60	50	60	2.0
VE-1S	12.5-22.5	2/20/2012	100	1150	88	5.65	48	60	3.2
VE-1S	12.5-22.5	2/27/2012	100	1630	64	5.45	50	50	2.2
VE-1S	12.5-22.5	3/5/2012	100	1305	77	5.10	21	76	2.3
VE-1S	12.5-22.5	3/12/2012	100	1000	70	5.35	42	70	3.4
VE-1S	12.5-22.5	3/19/2012	100	1500	NM	5.25	NM	NM	3.5
VE-1S	12.5-22.5	3/26/2012	100	1525	71	5.35	NM	61	0.7
VE-1S	12.5-22.5	4/2/2012	100	1450	73	5.20	NM	54	5.0
VE-1S	12.5-22.5	4/10/2012	100	1125	71	5.20	NM	57	3.5
VE-1S	12.5-22.5	4/17/2012	100	1015	88	5.00	27	56	6.5
VE-1S	12.5-22.5	4/23/2012	100	1455	70	5.10	53	49	2.0
VE-1S	12.5-22.5	4/30/2012	100	1010	85	5.10	34	52	4.0
VE-1S	12.5-22.5	5/7/2012	100	1040	91	5.00	34	64	6.1
VE-1S	12.5-22.5	5/15/2012	100	0840	75	4.80	55	50	3.6
VE-1S	12.5-22.5	5/21/2012	100	1500	98	4.75	31	53	5.0
VE-1S	12.5-22.5	5/29/2012	100	1255	90	4.80	32	48	7.2
VE-1S	12.5-22.5	6/5/2012	100	1055	96	4.80	22	51	12
VE-1S	12.5-22.5	6/11/2012	100	0845	76	4.85	47	45	2.6
VE-1S	12.5-22.5	6/18/2012	100	1015	84	4.85	64	48	5.2
VE-1S	12.5-22.5	6/25/2012	100	4050	96	5.10	28	55	8.6
VE-5S	12-22	6/3/2010	100	0942	87	11.47	NM	77	9,999 E
VE-5S	12-22	6/9/2010	100	1017	81	8.05	NM	83	9,999 E
VE-5S	12-22	6/14/2010	100	1445	92	5.75	NM	89	779
VE-5S	12-22	6/15/2010	100	0955	81	6.05	NM	89	840
VE-5S	12-22	6/16/2010	100	1152	84	5.35	NM	69	1165
VE-5S	12-22	6/17/2010	100	1026	84	5.70	NM	68	9,999 E
VE-5S	12-22	6/18/2010	100	1142	84	5.95	NM	69	9,999 E
VE-5S	12-22	6/19/2010	100	1019	86	5.95	NM	66	6198
VE-5S	12-22	6/20/2010	100	1021	85	6.05	NM	67	5606
VE-5S	12-22	6/23/2010	100	1016	87	6.05	NM	68	4466
VE-5S	12-22	6/30/2010	100	0955	83	6.05	NM	65	1945
VE-5S	12-22	7/7/2010	100	1715	89	6.05	NM	67	1517
VE-5S	12-22	7/14/2010	100	1217	97	6.00	NM	74	1429
VE-5S	12-22	7/20/2010	100	1109	88	6.00	NM	67	1041
VE-5S	12-22	7/23/2010	100	1203	93	6.05	NM	81	879
VE-5S	12-22	8/4/2010	100	1106	90	5.70	NM	82	733
VE-5S	12-22	8/6/2010	100	1207	91	6.00	NM	82	720
VE-5S	12-22	8/10/2010	100	1512	95	5.85	NM	83	631
VE-5S	12-22	8/13/2010	100	1100	92	5.90	NM	81	554
VE-5S	12-22	8/17/2010	100	1640	103	6.00	20	89	549
VE-5S	12-22	8/20/2010	100	12.21	96	5.85	22	85	511
VE-5S	12-22	8/24/2010	100	1614	99	5.85	14	88	437
VE-5S	12-22	9/1/2010	100	0952	76	5.95	44	62	368
VE-5S	12-22	9/8/2010	100	1502	77	6.00	40	62	307
VE-5S	12-22	9/10/2010	100	1330	87	5.85	26	72	276
VE-5S	12-22	9/15/2010	100	1458	94	5.88	25	78	273
VE-5S	12-22	9/22/2010	100	1302	73	5.85	53	62	239
VE-5S	12-22	9/24/2010	100	1104	96	5.70	27	87	202
VE-5S	12-22	9/28/2010	100	1218	92	5.70	31	79	191
VE-5S	12-22	10/6/2010	100	1127	62	5.70	82	83	204
VE-5S	12-22	10/8/2010	100	1311	87	5.85	27	82	178
VE-5S	12-22	10/12/2010	100	1531	88	5.90	37	75	144

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-5S	12-22	10/15/2010	100	1308	68	5.90	72	62	181
VE-5S	12-22	10/19/2010	100	1200	73	5.90	65	67	173
VE-5S	12-22	10/22/2010	100	1235	70	5.90	61	98	170
VE-5S	12-22	10/26/2010	100	0810	73	6.60	55	65	175
VE-5S	12-22	10/29/2010	100	1228	87	7.25	25	67	115
VE-5S	12-22	11/3/2010	100	0837	77	5.55	33	63	118
VE-5S	12-22	11/5/2010	100	0905	71	5.35	43	62	118
VE-5S	12-22	11/9/2010	100	1355	79	6.70	21	58	113
VE-5S	12-22	11/12/2010	100	0730	52	7.05	46	74	127
VE-5S	12-22	11/16/2010	100	0752	57	5.35	58	65	115
VE-5S	12-22	11/19/2010	100	0655	73	5.40	55	68	102
VE-5S	12-22	11/23/2010	100	1500	67	5.10	37	90	108
VE-5S	12-22	11/26/2010	100	0925	70	5.10	47	90	130
VE-5S	12-22	12/1/2010	100	1228	71	6.10	57	69	78
VE-5S	12-22	12/3/2010	100	0755	58	6.75	47	60	123
VE-5S	12-22	12/10/2010	100	0850	61	4.90	62	78	92
VE-5S	12-22	12/14/2010	100	1221	64	5.25	69	67	88
VE-5S	12-22	12/17/2010	100	0823	61	5.20	68	87	97
VE-5S	12-22	12/21/2010	100	1230	69	6.30	58	186	NM
VE-5S	12-22	12/24/2010	100	50	54	6.65	78	113	NM
VE-5S	12-22	12/28/2010	100	1058	69	4.65	41	146	NM
VE-5S	12-22	12/30/2010	100	1210	62	5.70	18	150	101
VE-5S	12-22	1/6/2011	100	1119	77	5.30	22	133	58
VE-5S	12-22	1/12/2011	100	1105	80	7.85	22	105	30
VE-5S	12-22	1/19/2011	100	1040	86	4.90	28	89	32
VE-5S	12-22	1/26/2011	100	1030	83	4.75	20	93	31
VE-5S	12-22	1/27/2011	100	0833	70	3.85	--	70	--
VE-5S	12-22	2/23/2011	100	1513	66	5.20	41	65	24
VE-5S	12-22	2/28/2011	100	1110	78	4.70	49	81	14
VE-5S	12-22	3/7/2011	100	1120	82	5.40	48	52	22
VE-5S	12-22	3/14/2011	100	1530	81	4.40	33	74	25
VE-5S	12-22	4/7/2011	100	1235	76	4.85	56	83	3
VE-5S	12-22	4/11/2011	100	0730	80	5.70	63	91	18
VE-5S	12-22	4/18/2011	100	1150	69	5.35	48	99	14
VE-5S	12-22	4/28/2011	100	0953	95	3.50	65	72	1
VE-5S	12-22	5/3/2011	100	0835	90	5.75	31	125	25
VE-5S	12-22	5/10/2011	100	1410	83	5.65	30	115	15
VE-5S	12-22	5/16/2011	100	1120	80	5.80	37	115	13
VE-5S	12-22	6/6/2011	100	1005	79	5.45	35	106	54
VE-5S	12-22	6/13/2011	100	1225	89	5.45	48	121	15
VE-5S	12-22	6/20/2011	100	1525	96	5.30	43	119	14
VE-5S	12-22	6/27/2011	100	1150	100	5.45	42	138	15
VE-5S	12-22	7/5/2011	100	1125	103	5.55	36	135	32
VE-5S	12-22	7/11/2011	100	0915	74	74.0	35	107	21
VE-5S	12-22	7/18/2011	100	1110	97	5.70	41	135	22
VE-5S	12-22	7/25/2011	100	0900	94	5.70	39	120	20
VE-5S	12-22	8/1/2011	100	0805	84	5.95	48	118	26
VE-5S	12-22	8/10/2011	100	0850	74	5.60	45	96	26
VE-5S	12-22	8/15/2011	100	1130	98	5.65	45	115	16
VE-5S	12-22	8/23/2011	100	1525	99	5.80	48	114	2
VE-5S	12-22	8/30/2011	100	0845	73	5.60	43	91	23
VE-5S	12-22	9/7/2011	100	1555	106	5.45	34	118	16
VE-5S	12-22	9/12/2011	100	1035	91	5.70	45	107	19

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-5S	12-22	9/19/2011	100	1415	94	5.75	51	101	16
VE-5S	12-22	9/26/2011	100	1225	80	5.90	53	91	16
VE-5S	12-22	10/3/2011	100	1135	90	5.85	47	101	14
VE-5S	12-22	10/10/2011	100	1145	87	5.80	49	105	15
VE-5S	12-22	10/17/2011	100	1350	90	5.80	38	96	12
VE-5S	12-22	10/24/2011	100	1205	71	6.05	51	92	15
VE-5S	12-22	10/31/2011	100	0945	76	6.00	48	101	15
VE-5S	12-22	11/7/2011	100	1145	70	6.10	47	105	12
VE-5S	12-22	11/14/2011	100	1135	78	6.10	40	113	18
VE-5S	12-22	11/21/2011	100	1435	--	6.00	--	NM	8
VE-5S	12-22	11/28/2011	100	1130	87	6.05	36	138	16
VE-5S	12-22	12/5/2011	100	0955	72	6.05	49	126	12
VE-5S	12-22	12/19/2011	100	1210	62	5.90	53	121	11
VE-5S	12-22	12/29/2011	100	1105	78	6.00	71	137	16
VE-5S	12-22	1/3/2012	100	1125	90	6.05	40	128	9.0
VE-5S	12-22	1/12/2012	100	1200	84	5.85	33	151	13
VE-5S	12-22	1/16/2012	100	1340	65	5.80	46	128	16
VE-5S	12-22	1/23/2012	100	1225	56	5.75	84	NM	20
VE-5S	12-22	1/30/2012	100	1330	83	5.70	79	143	19
VE-5S	12-22	2/6/2012	100	1055	78	5.60	67	142	14
VE-5S	12-22	2/14/2012	100	1145	71	5.65	53	134	8.0
VE-5S	12-22	2/20/2012	100	1220	74	5.70	53	135	8.5
VE-5S	12-22	2/27/2012	100	1700	63	5.45	54	132	11
VE-5S	12-22	3/5/2012	100	1335	87	5.20	14	166	7.7
VE-5S	12-22	3/12/2012	100	1030	75	5.40	35	140	7.0
VE-5S	12-22	3/19/2012	100	1530	NM	5.30	NM	NM	8.0
VE-5S	12-22	3/26/2012	100	1555	71	5.40	NM	NM	17
VE-5S	12-22	4/2/2012	100	1520	74	5.25	NM	NM	21
VE-5S	12-22	4/10/2012	100	1155	72	5.25	NM	NM	8.1
VE-5S	12-22	4/17/2012	100	1045	93	5.10	18	140	6.9
VE-5S	12-22	4/23/2012	100	1525	70	5.20	53	142	6.5
VE-5S	12-22	4/30/2012	100	1040	84	5.20	39	157	5.2
VE-5S	12-22	5/7/2012	100	1110	90	5.10	35	143	8.5
VE-5S	12-22	5/15/2012	100	0910	80	4.80	56	132	12
VE-5S	12-22	5/21/2012	100	1530	95	4.75	31	154	7.0
VE-5S	12-22	5/29/2012	100	1325	92	4.85	32	140	5.7
VE-5S	12-22	6/5/2012	100	1125	97	4.85	18	162	10
VE-5S	12-22	6/11/2012	100	0915	78	4.90	46	139	12
VE-5S	12-22	6/18/2012	100	1045	91	4.90	64	139	7.7
VE-5S	12-22	6/25/2012	100	1120	95	5.25	22	160	10
VE-6S	10-30	4/28/2011	100	0954	93	3.50	64	101	0
VE-6S	10-30	5/3/2011	100	0905	89	5.70	13	176	7
VE-6S	10-30	5/10/2011	100	1520	88	5.60	29	205	3
VE-6S	10-30	5/16/2011	100	1125	83	5.75	23	210	5
VE-6S	10-30	6/6/2011	100	1010	81	5.45	32	194	26
VE-6S	10-30	6/13/2011	100	1230	93	5.40	28	202	7
VE-6S	10-30	6/20/2011	100	1530	95	5.20	42	195	9
VE-6S	10-30	6/27/2011	100	1155	100	5.40	37	212	27
VE-6S	10-30	7/5/2011	100	1130	102	5.45	36	209	28
VE-6S	10-30	7/11/2011	100	0920	77	76.0	40	212	0
VE-6S	10-30	7/18/2011	100	1120	96	5.60	25	225	14
VE-6S	10-30	7/25/2011	100	0905	82	5.70	44	220	3
VE-6S	10-30	8/1/2011	100	0810	86	5.85	48	232	15

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-6S	10-30	8/10/2011	100	0855	75	5.60	45	221	13
VE-6S	10-30	8/15/2011	100	1135	97	5.60	30	224	13
VE-6S	10-30	8/23/2011	100	1530	98	5.75	27	225	16
VE-6S	10-30	8/30/2011	100	0850	75	5.50	61	216	12
VE-6S	10-30	9/7/2011	100	1600	107	5.40	30	218	8
VE-6S	10-30	9/12/2011	100	1040	91	5.65	45	114	13
VE-6S	10-30	9/19/2011	100	1420	94	5.70	35	227	11
VE-6S	10-30	9/26/2011	100	1230	80	5.85	44	231	12
VE-6S	10-30	10/3/2011	100	1140	92	5.80	47	232	8
VE-6S	10-30	10/10/2011	100	1150	89	5.75	32	245	11
VE-6S	10-30	10/17/2011	100	1355	91	5.85	38	108	8
VE-6S	10-30	10/24/2011	100	1210	72	6.00	63	245	12
VE-6S	10-30	10/31/2011	100	0950	80	6.00	46	240	12
VE-6S	10-30	11/7/2011	100	1150	71	6.05	48	235	10
VE-6S	10-30	11/14/2011	100	1140	80	6.00	60	235	10
VE-6S	10-30	11/21/2011	100	1440	--	6.00	--	NM	6
VE-6S	10-30	11/28/2011	100	1135	84	6.00	21	240	14
VE-6S	10-30	12/5/2011	100	1000	76	5.95	49	240	10
VE-6S	10-30	12/19/2011	100	1215	63	5.90	55	212	9
VE-6S	10-30	12/29/2011	100	1110	78	6.00	72	126	12
VE-6S	10-30	1/3/2012	100	1130	88	6.00	40	250	8.0
VE-6S	10-30	1/12/2012	100	1205	85	5.80	25	238	10
VE-6S	10-30	1/16/2012	100	1345	65	5.75	61	245	10
VE-6S	10-30	1/23/2012	100	1230	60	5.70	79	NM	9.3
VE-6S	10-30	1/30/2012	100	1335	84	5.60	78	245	11
VE-6S	10-30	2/6/2012	100	1100	81	5.55	23	243	7.4
VE-6S	10-30	2/14/2012	100	1150	72	5.60	70	237	5.2
VE-6S	10-30	2/20/2012	100	1225	73	5.70	41	236	6.0
VE-6S	10-30	2/27/2012	100	1705	64	5.45	40	246	6.0
VE-6S	10-30	3/5/2012	100	1340	88	5.15	15	245	4.8
VE-6S	10-30	3/12/2012	100	1035	78	5.35	40	244	4.2
VE-6S	10-30	3/19/2012	100	1535	NM	5.25	NM	NM	8.5
VE-6S	10-30	3/26/2012	100	1600	70	5.35	NM	239	8.0
VE-6S	10-30	4/2/2012	100	1525	67	5.20	NM	245	6.5
VE-6S	10-30	4/10/2012	100	1200	72	5.20	NM	233	9.0
VE-6S	10-30	4/17/2012	100	1050	93	5.05	19	232	7.1
VE-6S	10-30	4/23/2012	100	1530	69	5.10	50	232	6.2
VE-6S	10-30	4/30/2012	100	1045	82	5.15	41	236	5.0
VE-6S	10-30	5/7/2012	100	1115	90	5.00	37	232	8.0
VE-6S	10-30	5/15/2012	100	0915	77	4.80	43	232	8.8
VE-6S	10-30	5/21/2012	100	1535	94	4.75	44	227	6.1
VE-6S	10-30	5/29/2012	100	1330	92	4.80	31	243	6.4
VE-6S	10-30	6/5/2012	100	1130	100	4.80	15	227	7.6
VE-6S	10-30	6/11/2012	100	0920	78	4.90	49	232	8.1
VE-6S	10-30	6/18/2012	100	1050	89	4.85	66	233	7.4
VE-6S	10-30	6/25/2012	100	1125	95	5.15	24	247	8.4
VE-8S	10-30	6/3/2010	100	0940	87	11.47	NM	128	2407
VE-8S	10-30	6/9/2010	100	1013	79	8.45	NM	131	9,999 E
VE-8S	10-30	6/14/2010	100	1440	92	3.95	NM	102	641
VE-8S	10-30	6/15/2010	100	0955	82	4.35	NM	99	72
VE-8S	10-30	6/16/2010	100	1151	85	4.55	NM	95	1069
VE-8S	10-30	6/17/2010	100	1025	85	4.55	NM	95	9,999 E
VE-8S	10-30	6/18/2010	100	1140	85	4.55	NM	94	9,999 E

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-8S	10-30	6/19/2010	100	1016	85	4.45	NM	99	9547
VE-8S	10-30	6/20/2010	100	1020	85	4.60	NM	96	9065
VE-8S	10-30	6/23/2010	100	1030	88	4.55	NM	96	6689
VE-8S	10-30	6/30/2010	100	0948	83	4.60	NM	93	2813
VE-8S	10-30	7/7/2010	100	1718	87	4.60	NM	95	2507
VE-8S	10-30	7/14/2010	100	1400	96	4.50	NM	98	2206
VE-8S	10-30	7/20/2010	100	1108	88	4.55	NM	93	1905
VE-8S	10-30	7/23/2010	100	1209	94	4.60	NM	118	1737
VE-8S	10-30	8/4/2010	100	1109	91	4.55	NM	102	1504
VE-8S	10-30	8/6/2010	100	1211	92	4.60	NM	103	1599
VE-8S	10-30	8/10/2010	100	1514	94	5.30	NM	119	1498
VE-8S	10-30	8/13/2010	100	1106	95	5.10	NM	129	1390
VE-8S	10-30	8/17/2010	100	1680	104	5.25	15	151	1634
VE-8S	10-30	8/20/2010	100	1223	97	4.95	21	126	1432
VE-8S	10-30	8/24/2010	100	1619	100	4.80	11	128	1373
VE-8S	10-30	9/1/2010	100	0957	81	4.90	39	101	1261
VE-8S	10-30	9/8/2010	100	1451	77	4.90	42	92	1020
VE-8S	10-30	9/10/2010	100	1323	86	4.90	30	112	974
VE-8S	10-30	9/15/2010	100	1454	93	5.00	24	125	1144
VE-8S	10-30	9/22/2010	100	1258	73	4.75	54	96	1105
VE-8S	10-30	9/24/2010	100	1157	94	4.75	28	132	807
VE-8S	10-30	9/28/2010	100	1215	93	4.75	30	127	776
VE-8S	10-30	10/6/2010	100	1125	63	4.90	81	116	675
VE-8S	10-30	10/8/2010	100	1313	88	4.95	26	127	752
VE-8S	10-30	10/12/2010	100	1529	88	4.95	37	115	697
VE-8S	10-30	10/15/2010	100	1305	69	4.75	70	63	827
VE-8S	10-30	10/19/2010	100	1155	72	4.70	68	104	789
VE-8S	10-30	10/22/2010	100	1230	69	4.80	65	108	780
VE-8S	10-30	10/26/2010	100	0805	71	4.90	58	93	786
VE-8S	10-30	10/29/2010	100	1225	86	4.80	26	135	645
VE-8S	10-30	11/3/2010	100	0832	76	4.75	35	108	662
VE-8S	10-30	11/5/2010	100	0900	72	4.70	42	104	682
VE-8S	10-30	11/9/2010	100	1340	78	4.70	24	117	655
VE-8S	10-30	11/12/2010	100	0725	52	4.75	46	71	775
VE-8S	10-30	11/16/2010	100	0750	57	4.75	57	80	590
VE-8S	10-30	11/19/2010	100	0650	73	4.70	56	108	590
VE-8S	10-30	11/23/2010	100	1510	68	4.80	42	95	640
VE-8S	10-30	11/26/2010	100	0955	70	4.80	40	94	704
VE-8S	10-30	12/1/2010	100	1222	71	5.55	55	110	492
VE-8S	10-30	12/3/2010	100	0747	58	5.35	45	88	533
VE-8S	10-30	12/10/2010	100	0845	61	4.20	63	103	489
VE-8S	10-30	12/14/2010	100	1213	62	4.40	71	92	544
VE-8S	10-30	12/17/2010	100	0817	60	4.50	65	94	537
VE-8S	10-30	12/21/2010	100	1223	71	5.45	58	116	NM
VE-8S	10-30	12/24/2010	100	60	54	5.40	75	101	NM
VE-8S	10-30	12/28/2010	100	1053	70	4.80	42	108	NM
VE-8S	10-30	12/30/2010	100	1155	62	4.10	19	105	480
VE-8S	10-30	1/6/2011	100	1115	78	4.95	24	117	414
VE-8S	10-30	1/12/2011	100	1103	80	5.75	22	118	191
VE-8S	10-30	1/19/2011	100	1045	83	5.05	31	129	182
VE-8S	10-30	1/26/2011	100	1016	86	5.40	21	124	131
VE-8S	10-30	1/27/2011	100	0831	66	4.30	--	67	--
VE-8S	10-30	2/23/2011	100	1508	66	5.40	39	104	71

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-8S	10-30	2/28/2011	100	1117	78	5.30	49	97	75
VE-8S	10-30	3/7/2011	100	1115	83	5.20	48	96	216
VE-8S	10-30	3/14/2011	100	1535	81	4.95	32	93	161
VE-8S	10-30	4/7/2011	100	1240	76	5.30	56	103	23
VE-8S	10-30	4/11/2011	100	0735	79	5.70	57	109	169
VE-8S	10-30	4/18/2011	100	1155	69	5.50	48	106	95
VE-8S	10-30	4/28/2011	100	0953	94	3.50	58	77	47
VE-8S	10-30	5/3/2011	100	0840	90	5.70	31	127	193
VE-8S	10-30	5/10/2011	100	1420	83	5.65	30	112	155
VE-8S	10-30	5/16/2011	100	1130	79	5.80	38	114	121
VE-8S	10-30	6/6/2011	100	1000	79	5.45	35	108	535
VE-8S	10-30	6/13/2011	100	1220	89	5.45	47	115	135
VE-8S	10-30	6/20/2011	100	1520	96	5.30	43	117	156
VE-8S	10-30	6/27/2011	100	1145	100	5.40	42	121	116
VE-8S	10-30	7/5/2011	100	1120	103	5.50	36	130	427
VE-8S	10-30	7/11/2011	100	0910	74	76.0	35	110	354
VE-8S	10-30	7/18/2011	100	1100	96	5.65	42	131	420
VE-8S	10-30	7/25/2011	100	0855	94	5.70	39	121	360
VE-8S	10-30	8/1/2011	100	0800	84	5.90	49	131	393
VE-8S	10-30	8/10/2011	100	0845	74	5.65	44	116	818
VE-8S	10-30	8/15/2011	100	1125	97	5.65	45	123	340
VE-8S	10-30	8/23/2011	100	1520	99	5.80	49	139	365
VE-8S	10-30	8/30/2011	100	0840	74	5.60	43	113	496
VE-8S	10-30	9/7/2011	100	1550	106	5.45	34	160	30
VE-8S	10-30	9/12/2011	100	1030	91	5.70	45	127	397
VE-8S	10-30	9/19/2011	100	1410	94	5.75	51	134	435
VE-8S	10-30	9/26/2011	100	1220	80	5.85	52	127	440
VE-8S	10-30	10/3/2011	100	1130	89	5.85	46	137	456
VE-8S	10-30	10/10/2011	100	1140	87	5.80	49	141	427
VE-8S	10-30	10/17/2011	100	1345	89	5.85	38	135	375
VE-8S	10-30	10/24/2011	100	1200	71	6.05	51	134	445
VE-8S	10-30	10/31/2011	100	0940	74	6.00	49	134	365
VE-8S	10-30	11/7/2011	100	1140	69	6.10	47	137	362
VE-8S	10-30	11/14/2011	100	1130	78	6.10	40	141	341
VE-8S	10-30	11/21/2011	100	1430	--	6.05	--	NM	401
VE-8S	10-30	11/28/2011	100	1125	87	6.10	36	152	377
VE-8S	10-30	12/5/2011	100	0950	70	6.00	49	133	368
VE-8S	10-30	12/19/2011	100	1205	62	5.95	54	132	404
VE-8S	10-30	12/29/2011	100	1100	78	6.00	71	150	329
VE-8S	10-30	1/3/2012	100	1120	91	6.00	40	137	380
VE-8S	10-30	1/12/2012	100	1155	83	5.85	32	163	325
VE-8S	10-30	1/16/2012	100	1330	65	5.80	46	127	354
VE-8S	10-30	1/23/2012	100	1220	59	5.75	80	NM	396
VE-8S	10-30	1/30/2012	100	1325	83	5.65	80	147	402
VE-8S	10-30	2/6/2012	100	1050	77	5.60	67	146	325
VE-8S	10-30	2/14/2012	100	1140	70	5.60	53	135	390
VE-8S	10-30	2/20/2012	100	1215	75	5.70	53	135	395
VE-8S	10-30	2/27/2012	100	1655	63	5.50	54	134	407
VE-8S	10-30	3/5/2012	100	1330	86	5.20	15	173	374
VE-8S	10-30	3/12/2012	100	1025	73	5.40	41	136	249
VE-8S	10-30	3/19/2012	100	1525	NM	5.30	NM	NM	232
VE-8S	10-30	3/26/2012	100	1550	72	5.35	NM	NM	1051
VE-8S	10-30	4/2/2012	100	1515	74	5.20	NM	76	396

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-8S	10-30	4/10/2012	100	1150	72	5.20	NM	131	402
VE-8S	10-30	4/17/2012	100	1040	91	5.10	18	118	382
VE-8S	10-30	4/23/2012	100	1520	70	5.20	54	135	442
VE-8S	10-30	4/30/2012	100	1035	82	5.15	40	148	317
VE-8S	10-30	5/7/2012	100	1105	91	5.10	34	151	315
VE-8S	10-30	5/15/2012	100	0905	79	4.80	48	127	402
VE-8S	10-30	5/21/2012	100	1525	96	4.75	30	142	331
VE-8S	10-30	5/29/2012	100	1320	92	4.80	32	136	205
VE-8S	10-30	6/5/2012	100	1120	96	4.80	19	150	289
VE-8S	10-30	6/11/2012	100	0910	77	4.90	47	133	255
VE-8S	10-30	6/18/2012	100	1040	91	4.85	66	134	381
VE-8S	10-30	6/25/2012	100	1115	95	5.20	22	150	371
VE-9S	10-30	6/3/2010	100	0937	83	11.47	NM	104	3942
VE-9S	10-30	6/9/2010	100	1007	78	7.40	NM	92	9978
VE-9S	10-30	6/14/2010	100	1436	92	5.90	NM	100	415
VE-9S	10-30	6/15/2010	100	0954	82	6.00	NM	93	400
VE-9S	10-30	6/16/2010	100	1150	87	8.85	NM	102	479
VE-9S	10-30	6/17/2010	100	1022	84	8.80	NM	98	2399
VE-9S	10-30	6/18/2010	100	1138	83	8.80	NM	99	2017
VE-9S	10-30	6/19/2010	100	1011	87	8.80	NM	99	1653
VE-9S	10-30	6/20/2010	100	1016	84	8.70	NM	100	1308
VE-9S	10-30	6/23/2010	100	0958	87	8.80	NM	102	1356
VE-9S	10-30	6/30/2010	100	0945	81	8.70	NM	99	650
VE-9S	10-30	7/7/2010	100	1725	87	8.65	NM	107	473
VE-9S	10-30	7/14/2010	100	1355	96	8.35	NM	109	422
VE-9S	10-30	7/20/2010	100	1105	89	8.35	NM	106	316
VE-9S	10-30	7/23/2010	100	1218	96	8.35	NM	127	260
VE-9S	10-30	8/4/2010	100	1113	90	8.00	NM	113	231
VE-9S	10-30	8/6/2010	100	1222	94	8.20	NM	116	224
VE-9S	10-30	8/10/2010	100	1523	96	8.00	NM	129	193
VE-9S	10-30	8/13/2010	100	1114	94	7.95	NM	126	164
VE-9S	10-30	8/17/2010	100	1659	98	7.90	17	156	184
VE-9S	10-30	8/20/2010	100	1228	95	7.80	22	121	153
VE-9S	10-30	8/24/2010	100	1623	100	7.60	13	136	129
VE-9S	10-30	9/1/2010	100	1003	85	7.80	31	107	118
VE-9S	10-30	9/8/2010	100	1435	79	7.75	38	97	86
VE-9S	10-30	9/10/2010	100	1316	87	7.70	29	119	75
VE-9S	10-30	9/15/2010	100	1449	93	7.80	25	130	91
VE-9S	10-30	9/22/2010	100	1250	72	7.65	56	103	75
VE-9S	10-30	9/24/2010	100	1155	92	7.65	29	133	59
VE-9S	10-30	9/28/2010	100	1207	93	7.60	30	128	63
VE-9S	10-30	10/6/2010	100	1119	63	7.90	80	124	44
VE-9S	10-30	10/8/2010	100	1317	88	7.70	29	131	60
VE-9S	10-30	10/12/2010	100	1522	57	7.70	35	118	58
VE-9S	10-30	10/15/2010	100	1300	68	7.70	71	98	68
VE-9S	10-30	10/19/2010	100	1205	72	7.65	66	110	66
VE-9S	10-30	10/22/2010	100	1220	69	7.90	62	115	66
VE-9S	10-30	10/26/2010	100	0758	70	7.80	59	106	76
VE-9S	10-30	10/29/2010	100	1220	86	7.95	24	134	64
VE-9S	10-30	11/3/2010	100	0822	77	5.00	31	108	71
VE-9S	10-30	11/5/2010	100	0850	72	8.15	41	110	74
VE-9S	10-30	11/9/2010	100	1325	77	8.05	24	115	72
VE-9S	10-30	11/12/2010	100	0710	51	8.35	45	75	79

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-9S	10-30	11/16/2010	100	0745	56	8.20	57	81	73
VE-9S	10-30	11/19/2010	100	0640	73	8.10	37	117	67
VE-9S	10-30	11/23/2010	100	1518	67	8.45	35	117	83
VE-9S	10-30	11/26/2010	100	0945	70	8.45	37	119	86
VE-9S	10-30	12/1/2010	100	1212	70	8.70	63	120	63
VE-9S	10-30	12/3/2010	100	0738	58	8.70	45	101	72
VE-9S	10-30	12/10/2010	100	0835	64	8.50	56	107	143
VE-9S	10-30	12/14/2010	100	1155	62	8.05	75	99	77
VE-9S	10-30	12/17/2010	100	0805	59	8.10	65	112	83
VE-9S	10-30	12/21/2010	100	1212	74	8.85	58	110	NM
VE-9S	10-30	12/24/2010	100	60	55	9.00	70	101	NM
VE-9S	10-30	12/28/2010	100	1043	72	8.45	39	109	NM
VE-9S	10-30	12/30/2010	100	1154	65	6.90	15	92	140
VE-9S	10-30	1/6/2011	100	1101	78	6.25	20	94	108
VE-9S	10-30	1/12/2011	100	1057	82	5.60	18	NM	57
VE-9S	10-30	1/19/2011	100	1055	78	5.90	36	113	49
VE-9S	10-30	1/26/2011	100	1007	85	6.05	21	113	55
VE-9S	10-30	1/27/2011	100	0826	64	6.40	--	61	--
VE-9S	10-30	2/2/2011	100	1140	65	5.60	--	124	52
VE-9S	10-30	2/9/2011	100	1500	85	4.90	4	125	35
VE-9S	10-30	2/17/2011	100	0910	72	5.30	24	NM	10
VE-9S	10-30	2/23/2011	100	1458	66	5.40	40	120	60
VE-9S	10-30	2/28/2011	100	1123	79	5.45	47	104	32
VE-9S	10-30	3/7/2011	100	1105	86	5.20	47	82	54
VE-9S	10-30	3/14/2011	100	1540	82	4.95	32	67	37
VE-9S	10-30	4/7/2011	100	1245	78	5.90	56	73	4
VE-9S	10-30	4/11/2011	100	0740	78	6.00	57	74	33
VE-9S	10-30	4/18/2011	100	1200	69	6.00	48	73	17
VE-9S	10-30	4/28/2011	100	0952	87	3.45	35	55	2
VE-9S	10-30	5/3/2011	100	0845	87	5.70	31	86	25
VE-9S	10-30	5/10/2011	100	1430	85	5.60	29	69	15
VE-9S	10-30	5/16/2011	100	1135	80	5.75	37	64	13
VE-9S	10-30	6/6/2011	100	0950	79	5.45	35	69	73
VE-9S	10-30	6/13/2011	100	1210	88	5.40	47	75	16
VE-9S	10-30	6/20/2011	100	1505	96	5.25	43	75	20
VE-9S	10-30	6/27/2011	100	1135	99	5.40	43	80	67
VE-9S	10-30	7/5/2011	100	1110	102	5.45	36	77	54
VE-9S	10-30	7/11/2011	100	0900	74	78.0	35	51	31
VE-9S	10-30	7/18/2011	100	1040	93	5.60	42	71	30
VE-9S	10-30	7/25/2011	100	0845	93	5.70	40	66	27
VE-9S	10-30	8/1/2011	100	0750	83	5.90	49	63	33
VE-9S	10-30	8/10/2011	100	0835	73	5.60	44	53	42
VE-9S	10-30	8/15/2011	100	1115	96	5.65	46	72	27
VE-9S	10-30	8/23/2011	100	1510	100	5.70	49	80	34
VE-9S	10-30	8/30/2011	100	0830	74	5.50	43	65	34
VE-9S	10-30	9/7/2011	100	1540	106	5.40	32	90	18
VE-9S	10-30	9/12/2011	100	1020	85	5.60	46	66	27
VE-9S	10-30	9/19/2011	100	1400	94	5.75	51	94	19
VE-9S	10-30	9/26/2011	100	1210	80	5.85	52	89	22
VE-9S	10-30	10/3/2011	100	1115	88	5.85	46	101	14
VE-9S	10-30	10/10/2011	100	1130	87	5.80	48	87	22
VE-9S	10-30	10/17/2011	100	1335	89	5.85	34	75	16
VE-9S	10-30	10/24/2011	100	1150	71	6.00	51	69	25

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-9S	10-30	10/31/2011	100	0930	72	6.00	50	71	24
VE-9S	10-30	11/7/2011	100	1130	68	6.10	47	70	20
VE-9S	10-30	11/14/2011	100	1120	80	6.05	39	73	18
VE-9S	10-30	11/21/2011	100	1420	--	6.00	--	NM	15
VE-9S	10-30	11/28/2011	100	1115	86	6.00	33	90	18
VE-9S	10-30	12/5/2011	100	0940	67	5.95	48	123	17
VE-9S	10-30	12/19/2011	100	1155	61	5.90	58	119	19
VE-9S	10-30	12/29/2011	100	1050	79	6.00	70	111	20
VE-9S	10-30	1/3/2012	100	1110	94	6.00	38	109	14
VE-9S	10-30	1/12/2012	100	1145	81	5.80	34	106	16
VE-9S	10-30	1/16/2012	100	1320	65	5.70	45	86	15
VE-9S	10-30	1/23/2012	100	1210	57	5.70	87	NM	18
VE-9S	10-30	1/30/2012	100	1315	82	5.60	78	96	16
VE-9S	10-30	2/6/2012	100	1040	75	5.60	65	95	15
VE-9S	10-30	2/14/2012	100	1130	70	5.60	53	67	11
VE-9S	10-30	2/20/2012	100	1205	76	5.65	53	69	7.5
VE-9S	10-30	2/27/2012	100	1645	63	5.40	53	74	7.0
VE-9S	10-30	3/5/2012	100	1320	83	5.20	19	101	4.8
VE-9S	10-30	3/12/2012	100	1015	72	5.35	42	73	10
VE-9S	10-30	3/19/2012	100	1515	NM	5.25	NM	NM	8.1
VE-9S	10-30	3/26/2012	100	1540	71	5.35	NM	61	24
VE-9S	10-30	4/2/2012	100	1505	73	5.20	NM	73	5.0
VE-9S	10-30	4/10/2012	100	1140	72	5.20	NM	67	12
VE-9S	10-30	4/17/2012	100	1030	90	5.00	25	70	15
VE-9S	10-30	4/23/2012	100	1510	70	5.10	54	67	15
VE-9S	10-30	4/30/2012	100	1025	85	5.10	35	74	11
VE-9S	10-30	5/7/2012	100	1055	90	5.00	34	70	13
VE-9S	10-30	5/15/2012	100	0855	78	4.80	52	64	24
VE-9S	10-30	5/21/2012	100	1515	96	4.75	32	68	13
VE-9S	10-30	5/29/2012	100	1310	91	4.80	28	67	9.4
VE-9S	10-30	6/5/2012	100	1110	96	4.80	18	70	23
VE-9S	10-30	6/11/2012	100	0900	76	4.85	47	65	11
VE-9S	10-30	6/18/2012	100	1030	90	4.85	66	65	12
VE-9S	10-30	6/25/2012	100	1105	96	5.10	26	70	16
VE-10S	10-30	6/3/2010	100	0935	84	11.47	NM	62	4111
VE-10S	10-30	6/9/2010	100	1003	78	7.20	NM	75	9,999 E
VE-10S	10-30	6/14/2010	100	1435	93	5.75	NM	92	635
VE-10S	10-30	6/15/2010	100	0954	84	6.05	NM	94	674
VE-10S	10-30	6/16/2010	100	1149	88	4.55	NM	70	904
VE-10S	10-30	6/17/2010	100	1018	84	4.45	NM	68	7278
VE-10S	10-30	6/18/2010	100	1137	83	4.65	NM	66	5780
VE-10S	10-30	6/19/2010	100	1010	85	4.60	NM	68	4576
VE-10S	10-30	6/20/2010	100	1015	83	4.70	NM	66	4065
VE-10S	10-30	6/23/2010	100	1030	87	4.90	NM	68	3547
VE-10S	10-30	6/30/2010	100	0940	81	5.10	NM	63	1479
VE-10S	10-30	7/7/2010	100	1728	87	5.35	NM	66	1164
VE-10S	10-30	7/14/2010	100	1351	97	5.30	NM	69	1109
VE-10S	10-30	7/20/2010	100	1103	89	5.65	NM	63	946
VE-10S	10-30	7/23/2010	100	1222	93	5.85	NM	73	834
VE-10S	10-30	8/4/2010	100	1119	91	5.55	NM	58	745
VE-10S	10-30	8/6/2010	100	1228	89	5.50	NM	62	776
VE-10S	10-30	8/10/2010	100	1528	95	5.45	NM	78	696
VE-10S	10-30	8/13/2010	100	1118	91	5.65	NM	61	604

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-10S	10-30	8/17/2010	100	1705	97	5.65	19	70	608
VE-10S	10-30	8/20/2010	100	1230	95	5.40	22	65	544
VE-10S	10-30	8/24/2010	100	1629	100	5.70	13	69	496
VE-10S	10-30	9/1/2010	100	1010	85	6.00	32	57	471
VE-10S	10-30	9/8/2010	100	1428	79	5.95	40	55	355
VE-10S	10-30	9/10/2010	100	1313	85	5.85	31	59	330
VE-10S	10-30	9/15/2010	100	1446	92	5.81	25	72	326
VE-10S	10-30	9/22/2010	100	1215	74	5.25	54	57	247
VE-10S	10-30	9/24/2010	100	1152	92	5.00	29	74	198
VE-10S	10-30	9/28/2010	100	1200	93	4.45	30	76	186
VE-10S	10-30	10/6/2010	100	1115	63	7.55	81	67	19
VE-10S	10-30	10/8/2010	100	1319	88	6.95	30	60	69
VE-10S	10-30	10/12/2010	100	1519	88	5.40	41	62	173
VE-10S	10-30	10/15/2010	100	1256	71	5.20	69	56	249
VE-10S	10-30	10/19/2010	100	1210	71	4.80	72	60	223
VE-10S	10-30	10/22/2010	100	1215	70	5.80	64	60	208
VE-10S	10-30	10/26/2010	100	0755	68	6.40	63	59	195
VE-10S	10-30	10/29/2010	100	1223	86	5.85	24	72	186
VE-10S	10-30	11/3/2010	100	0820	78	5.35	31	100	189
VE-10S	10-30	11/5/2010	100	0845	72	5.35	43	58	189
VE-10S	10-30	11/9/2010	100	1320	78	5.15	23	70	185
VE-10S	10-30	11/12/2010	100	0700	51	5.10	47	85	193
VE-10S	10-30	11/16/2010	100	0742	57	4.75	57	69	178
VE-10S	10-30	11/19/2010	100	0635	73	4.70	55	67	151
VE-10S	10-30	11/23/2010	100	1525	64	4.90	40	67	172
VE-10S	10-30	11/26/2010	100	0940	71	4.90	34	64	169
VE-10S	10-30	12/1/2010	100	1207	71	4.95	51	67	133
VE-10S	10-30	12/3/2010	100	0734	59	5.20	42	176	130
VE-10S	10-30	12/10/2010	100	0830	65	4.90	56	115	121
VE-10S	10-30	12/14/2010	100	1148	60	4.95	75	NM	133
VE-10S	10-30	12/17/2010	100	0800	59	5.20	67	108	132
VE-10S	10-30	12/21/2010	100	1205	72	5.75	62	96	NM
VE-10S	10-30	12/24/2010	100	50	56	6.40	65	214	NM
VE-10S	10-30	12/28/2010	100	1037	73	5.90	37	171	NM
VE-10S	10-30	12/30/2010	100	1152	64	4.65	15	121	159
VE-10S	10-30	1/6/2011	100	1058	79	5.25	21	88	99
VE-10S	10-30	1/12/2011	100	1055	83	7.20	17	NM	54
VE-10S	10-30	1/19/2011	100	1100	77	5.75	35	85	46
VE-10S	10-30	1/26/2011	100	1002	86	6.05	21	101	50
VE-10S	10-30	1/27/2011	100	0823	65	6.00	--	68	--
VE-10S	10-30	2/2/2011	100	1135	66	5.40	--	55	50
VE-10S	10-30	2/9/2011	100	1510	85	4.25	4	91	38
VE-10S	10-30	2/17/2011	100	0905	74	4.15	24	58	6
VE-10S	10-30	2/23/2011	100	1453	66	5.65	40	119	24
VE-10S	10-30	2/28/2011	100	1135	81	5.45	47	92	14
VE-10S	10-30	3/7/2011	100	1100	90	5.30	46	58	40
VE-10S	10-30	3/14/2011	100	1545	83	5.05	31	55	29
VE-10S	10-30	4/7/2011	100	1250	80	5.85	56	66	3
VE-10S	10-30	4/11/2011	100	0745	78	5.90	58	57	89
VE-10S	10-30	4/18/2011	100	1205	69	5.60	48	62	14
VE-10S	10-30	4/28/2011	100	0952	80	3.45	32	48	1
VE-10S	10-30	5/3/2011	100	0850	86	5.70	30	65	21
VE-10S	10-30	5/10/2011	100	1440	84	5.60	29	54	16

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-10S	10-30	5/16/2011	100	1140	82	5.75	36	47	14
VE-10S	10-30	6/6/2011	100	0945	80	5.40	35	56	75
VE-10S	10-30	6/13/2011	100	1205	87	5.40	47	54	15
VE-10S	10-30	6/20/2011	100	1500	97	5.25	43	58	19
VE-10S	10-30	6/27/2011	100	1130	97	5.40	43	54	69
VE-10S	10-30	7/5/2011	100	1105	101	5.45	37	56	56
VE-10S	10-30	7/11/2011	100	0855	74	78.0	35	38	38
VE-10S	10-30	7/18/2011	100	1030	90	5.60	43	48	33
VE-10S	10-30	7/25/2011	100	0840	92	5.65	40	42	30
VE-10S	10-30	8/1/2011	100	0745	83	5.90	49	41	39
VE-10S	10-30	8/10/2011	100	0830	72	5.55	44	41	51
VE-10S	10-30	8/15/2011	100	1100	97	5.65	45	51	34
VE-10S	10-30	8/23/2011	100	1505	102	5.70	49	47	40
VE-10S	10-30	8/30/2011	100	0825	74	5.50	43	48	46
VE-10S	10-30	9/7/2011	100	1535	106	5.40	32	65	23
VE-10S	10-30	9/12/2011	100	1015	84	5.65	47	47	41
VE-10S	10-30	9/19/2011	100	1355	93	5.75	51	53	36
VE-10S	10-30	9/26/2011	100	1205	80	5.85	52	47	46
VE-10S	10-30	10/3/2011	100	1110	87	5.80	45	53	31
VE-10S	10-30	10/10/2011	100	1125	87	5.75	47	58	34
VE-10S	10-30	10/17/2011	100	1330	87	5.85	34	53	23
VE-10S	10-30	10/24/2011	100	1145	71	6.00	51	45	37
VE-10S	10-30	10/31/2011	100	0925	71	5.95	51	47	36
VE-10S	10-30	11/7/2011	100	1125	67	6.00	47	47	29
VE-10S	10-30	11/14/2011	100	1115	80	6.00	39	49	28
VE-10S	10-30	11/21/2011	100	1415	--	6.00	--	NM	20
VE-10S	10-30	11/28/2011	100	1110	86	6.00	32	60	26
VE-10S	10-30	12/5/2011	100	0935	68	6.00	47	70	28
VE-10S	10-30	12/19/2011	100	1150	62	5.95	59	65	28
VE-10S	10-30	12/29/2011	100	1045	79	6.00	69	107	28
VE-10S	10-30	1/3/2012	100	1105	94	5.95	37	63	27
VE-10S	10-30	1/12/2012	100	1140	81	5.75	34	86	26
VE-10S	10-30	1/16/2012	100	1315	65	5.75	46	61	23
VE-10S	10-30	1/23/2012	100	1205	58	5.70	86	NM	21
VE-10S	10-30	1/30/2012	100	1310	83	5.60	78	64	18
VE-10S	10-30	2/6/2012	100	1035	75	5.55	66	56	19
VE-10S	10-30	2/14/2012	100	1125	69	5.60	53	64	25
VE-10S	10-30	2/20/2012	100	1200	77	5.65	53	45	19
VE-10S	10-30	2/27/2012	100	1640	63	5.45	53	46	24
VE-10S	10-30	3/5/2012	100	1315	81	5.20	20	62	25
VE-10S	10-30	3/12/2012	100	1010	71	5.35	43	48	11
VE-10S	10-30	3/19/2012	100	1510	NM	5.25	NM	NM	12
VE-10S	10-30	3/26/2012	100	1535	72	5.30	NM	47	28
VE-10S	10-30	4/2/2012	100	1500	73	5.20	NM	51	7.5
VE-10S	10-30	4/10/2012	100	1135	71	5.20	NM	40	13
VE-10S	10-30	4/17/2012	100	1025	89	5.00	23	53	13
VE-10S	10-30	4/23/2012	100	1505	70	5.10	53	43	21
VE-10S	10-30	4/30/2012	100	1020	84	5.10	37	42	12
VE-10S	10-30	5/7/2012	100	1050	90	5.00	28	59	15
VE-10S	10-30	5/15/2012	100	0850	77	4.80	50	48	16
VE-10S	10-30	5/21/2012	100	1510	97	4.75	31	47	14
VE-10S	10-30	5/29/2012	100	1305	91	4.80	30	44	10
VE-10S	10-30	6/5/2012	100	1105	96	4.80	18	49	28

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-10S	10-30	6/11/2012	100	0855	76	4.85	48	44	17
VE-10S	10-30	6/18/2012	100	1025	90	4.85	66	42	7.9
VE-10S	10-30	6/25/2012	100	1100	96	5.10	26	45	21
VE-11S	10-30	6/3/2010	100	0939	88	11.47	NM	48	2426
VE-11S	10-30	6/9/2010	100	1011	78	7.00	NM	74	4823
VE-11S	10-30	6/14/2010	100	1436	92	5.75	NM	98	279
VE-11S	10-30	6/15/2010	100	0955	82	6.25	NM	105	341
VE-11S	10-30	6/16/2010	100	1150	86	6.70	NM	96	477
VE-11S	10-30	6/17/2010	100	1024	84	6.85	NM	96	3558
VE-11S	10-30	6/18/2010	100	1139	84	6.60	NM	95	3589
VE-11S	10-30	6/19/2010	100	1014	88	6.60	NM	99	3397
VE-11S	10-30	6/20/2010	100	1018	84	6.10	NM	97	3337
VE-11S	10-30	6/23/2010	100	1020	88	6.65	NM	97	3114
VE-11S	10-30	6/30/2010	100	0943	83	5.00	NM	98	1743
VE-11S	10-30	7/7/2010	100	1721	86	6.10	NM	101	1560
VE-11S	10-30	7/14/2010	100	1357	96	6.05	NM	101	1376
VE-11S	10-30	7/20/2010	100	1106	89	5.85	NM	99	1075
VE-11S	10-30	7/23/2010	100	1213	10	5.40	NM	111	917
VE-11S	10-30	8/4/2010	100	1125	93	5.35	NM	106	795
VE-11S	10-30	8/6/2010	100	1217	93	5.20	NM	108	810
VE-11S	10-30	8/10/2010	100	1520	96	6.05	NM	121	717
VE-11S	10-30	8/13/2010	100	1110	95	5.75	NM	119	628
VE-11S	10-30	8/17/2010	100	1653	101	5.85	16	124	680
VE-11S	10-30	8/20/2010	100	1226	96	5.60	42	120	524
VE-11S	10-30	8/24/2010	100	1621	100	5.45	11	142	516
VE-11S	10-30	9/1/2010	100	1015	84	5.45	34	108	495
VE-11S	10-30	9/8/2010	100	1442	77	5.45	40	96	410
VE-11S	10-30	9/10/2010	100	1318	86	5.40	26	110	355
VE-11S	10-30	9/15/2010	100	1451	93	5.59	25	123	385
VE-11S	10-30	9/22/2010	100	1255	73	5.30	54	104	349
VE-11S	10-30	9/24/2010	100	1059	91	5.30	31	129	265
VE-11S	10-30	9/28/2010	100	1211	92	5.30	30	123	270
VE-11S	10-30	10/6/2010	100	1122	63	5.45	81	126	268
VE-11S	10-30	10/8/2010	100	1315	88	5.35	25	119	267
VE-11S	10-30	10/12/2010	100	1525	86	5.30	38	109	259
VE-11S	10-30	10/15/2010	100	1302	69	5.30	68	46	296
VE-11S	10-30	10/19/2010	100	1150	72	5.25	67	110	288
VE-11S	10-30	10/22/2010	100	1225	69	5.30	64	119	293
VE-11S	10-30	10/26/2010	100	0800	70	5.20	60	103	312
VE-11S	10-30	10/29/2010	100	1216	85	5.35	25	124	259
VE-11S	10-30	11/3/2010	100	0829	76	5.30	36	101	271
VE-11S	10-30	11/5/2010	100	0855	72	5.35	42	109	298
VE-11S	10-30	11/9/2010	100	1335	78	5.35	23	115	285
VE-11S	10-30	11/12/2010	100	0720	52	5.50	45	89	341
VE-11S	10-30	11/16/2010	100	0748	57	5.45	57	81	328
VE-11S	10-30	11/19/2010	100	0645	72	5.40	88	122	287
VE-11S	10-30	11/23/2010	100	1515	67	5.40	35	103	355
VE-11S	10-30	11/26/2010	100	0950	71	5.70	39	102	398
VE-11S	10-30	12/1/2010	100	1217	70	5.85	68	126	275
VE-11S	10-30	12/3/2010	100	0742	59	5.65	45	100	296
VE-11S	10-30	12/10/2010	100	0840	62	5.50	60	116	459
VE-11S	10-30	12/14/2010	100	1205	63	5.55	71	96	323
VE-11S	10-30	12/17/2010	100	0810	60	5.50	64	110	322

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-11S	10-30	12/21/2010	100	1218	74	5.65	54	116	NM
VE-11S	10-30	12/24/2010	100	60	55	5.30	72	116	NM
VE-11S	10-30	12/28/2010	100	1049	71	5.25	39	113	NM
VE-11S	10-30	12/30/2010	100	1158	63	4.40	17	91	441
VE-11S	10-30	1/6/2011	100	1107	78	5.30	22	116	367
VE-11S	10-30	1/12/2011	100	1059	81	4.65	19	107	160
VE-11S	10-30	1/19/2011	100	1050	80	8.25	33	164	152
VE-11S	10-30	1/26/2011	100	1012	86	8.35	21	176	188
VE-11S	10-30	1/27/2011	100	0829	67	8.80	--	116	--
VE-11S	10-30	2/2/2011	100	1145	69	7.20	--	115	343
VE-11S	10-30	2/9/2011	100	1455	84	6.40	11	118	180
VE-11S	10-30	2/17/2011	100	0915	74	6.65	22	101	97
VE-11S	10-30	2/23/2011	100	1503	66	6.85	38	150	44
VE-11S	10-30	2/28/2011	100	1140	78	6.65	48	138	166
VE-11S	10-30	3/7/2011	100	1110	83	6.50	48	134	334
VE-11S	10-30	3/14/2011	100	1550	81	6.20	32	132	205
VE-11S	10-30	4/7/2011	100	1255	77	8.80	56	157	3
VE-11S	10-30	4/11/2011	100	0750	78	9.00	49	165	29
VE-11S	10-30	4/18/2011	100	1210	69	9.15	48	167	32
VE-11S	10-30	4/28/2011	100	0952	92	3.50	55	94	119
VE-11S	10-30	5/3/2011	100	0855	89	5.70	31	135	170
VE-11S	10-30	5/10/2011	100	1450	85	5.60	29	125	110
VE-11S	10-30	5/16/2011	100	1145	80	5.75	37	122	77
VE-11S	10-30	6/6/2011	100	0955	79	5.45	35	118	315
VE-11S	10-30	6/13/2011	100	1215	89	5.45	47	124	75
VE-11S	10-30	6/20/2011	100	1510	96	5.25	43	130	75
VE-11S	10-30	6/27/2011	100	1140	100	5.40	42	131	216
VE-11S	10-30	7/5/2011	100	1115	104	5.50	36	138	170
VE-11S	10-30	7/11/2011	100	0905	74	78.0	35	109	95
VE-11S	10-30	7/18/2011	100	1050	94	5.65	42	136	84
VE-11S	10-30	7/25/2011	100	0850	93	5.70	40	123	78
VE-11S	10-30	8/1/2011	100	0755	83	5.90	49	114	34
VE-11S	10-30	8/10/2011	100	0840	73	5.60	44	101	123
VE-11S	10-30	8/15/2011	100	1120	97	5.65	45	122	74
VE-11S	10-30	8/23/2011	100	1515	100	5.75	49	132	102
VE-11S	10-30	8/30/2011	100	0835	74	5.55	43	107	121
VE-11S	10-30	9/7/2011	100	1545	106	5.40	33	135	56
VE-11S	10-30	9/12/2011	100	1025	89	5.70	46	109	112
VE-11S	10-30	9/19/2011	100	1405	94	5.75	51	131	98
VE-11S	10-30	9/26/2011	100	1215	80	5.85	52	117	124
VE-11S	10-30	10/3/2011	100	1120	88	5.85	46	129	87
VE-11S	10-30	10/10/2011	100	1135	87	5.80	48	129	105
VE-11S	10-30	10/17/2011	100	1340	89	5.85	39	121	64
VE-11S	10-30	10/24/2011	100	1155	71	6.00	51	115	99
VE-11S	10-30	10/31/2011	100	0935	73	6.00	50	118	90
VE-11S	10-30	11/7/2011	100	1135	69	6.10	47	118	71
VE-11S	10-30	11/14/2011	100	1125	79	6.05	40	121	70
VE-11S	10-30	11/21/2011	100	1425	--	6.05	--	NM	47
VE-11S	10-30	11/28/2011	100	1120	87	6.00	35	135	68
VE-11S	10-30	12/5/2011	100	0945	68	6.05	49	108	75
VE-11S	10-30	12/19/2011	100	1200	64	6.00	60	104	76
VE-11S	10-30	12/29/2011	100	1055	78	5.95	70	132	79
VE-11S	10-30	1/3/2012	100	1115	92	6.00	40	125	65

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-11S	10-30	1/12/2012	100	1150	82	5.80	34	144	66
VE-11S	10-30	1/16/2012	100	1325	65	5.75	46	117	68
VE-11S	10-30	1/23/2012	100	1215	58	5.75	85	NM	65
VE-11S	10-30	1/30/2012	100	1320	82	5.65	80	126	57
VE-11S	10-30	2/6/2012	100	1045	76	5.55	66	130	71
VE-11S	10-30	2/14/2012	100	1135	70	5.60	53	118	50
VE-11S	10-30	2/20/2012	100	1210	75	5.65	53	120	49
VE-11S	10-30	2/27/2012	100	1650	63	5.45	53	120	41
VE-11S	10-30	3/5/2012	100	1325	85	5.10	16	146	48
VE-11S	10-30	3/12/2012	100	1020	72	5.40	42	121	33
VE-11S	10-30	3/19/2012	100	1520	NM	5.25	NM	NM	34
VE-11S	10-30	3/26/2012	100	1545	72	5.35	NM	120	110
VE-11S	10-30	4/2/2012	100	1510	74	5.20	NM	75	15
VE-11S	10-30	4/10/2012	100	1145	72	5.20	NM	115	57
VE-11S	10-30	4/17/2012	100	1035	91	5.05	22	121	56
VE-11S	10-30	4/23/2012	100	1515	70	5.10	55	119	65
VE-11S	10-30	4/30/2012	100	1030	84	5.10	40	131	45
VE-11S	10-30	5/7/2012	100	1100	91	5.05	28	119	49
VE-11S	10-30	5/15/2012	100	0900	78	4.80	51	110	55
VE-11S	10-30	5/21/2012	100	1520	96	4.80	31	120	43
VE-11S	10-30	5/29/2012	100	1315	92	4.80	37	113	23
VE-11S	10-30	6/5/2012	100	1115	96	4.80	20	118	59
VE-11S	10-30	6/11/2012	100	0905	76	4.90	48	116	54
VE-11S	10-30	6/18/2012	100	1035	91	4.85	68	110	47
VE-11S	10-30	6/25/2012	100	1110	95	5.10	30	121	48
VE-12S	10-30	6/3/2010	100	0935	85	11.62	NM	72	3340
VE-12S	10-30	6/9/2010	100	0959	79	9.10	NM	79	5801
VE-12S	10-30	6/14/2010	100	1435	94	6.40	NM	91	317
VE-12S	10-30	6/15/2010	100	0954	85	7.00	NM	79	297
VE-12S	10-30	6/16/2010	100	1149	90	5.95	NM	69	356
VE-12S	10-30	6/17/2010	100	1017	84	6.10	NM	64	1581
VE-12S	10-30	6/18/2010	100	1136	82	6.25	NM	62	1328
VE-12S	10-30	6/19/2010	100	1008	84	6.20	NM	63	1200
VE-12S	10-30	6/20/2010	100	1014	82	6.25	NM	61	1080
VE-12S	10-30	6/23/2010	100	1025	86	6.20	NM	64	909
VE-12S	10-30	6/30/2010	100	0937	80	6.55	NM	58	455
VE-12S	10-30	7/7/2010	100	1731	85	6.65	NM	63	393
VE-12S	10-30	7/14/2010	100	1350	97	5.55	NM	70	401
VE-12S	10-30	7/20/2010	100	1102	90	5.60	NM	66	303
VE-12S	10-30	7/23/2010	100	1226	94	5.65	NM	78	265
VE-12S	10-30	8/4/2010	100	1130	91	5.25	NM	74	246
VE-12S	10-30	8/6/2010	100	1234	90	5.40	NM	73	243
VE-12S	10-30	8/10/2010	100	1531	94	5.30	NM	78	220
VE-12S	10-30	8/13/2010	100	1122	91	5.30	NM	74	194
VE-12S	10-30	8/17/2010	100	1711	97	5.70	19	90	216
VE-12S	10-30	8/20/2010	100	1232	97	5.70	21	81	228
VE-12S	10-30	8/24/2010	100	1632	100	5.70	13	93	181
VE-12S	10-30	9/1/2010	100	1025	85	5.90	32	68	160
VE-12S	10-30	9/8/2010	100	1416	81	5.90	38	70	480
VE-12S	10-30	9/10/2010	100	1308	84	5.85	28	72	325
VE-12S	10-30	9/15/2010	100	1443	92	5.88	26	82	235
VE-12S	10-30	9/22/2010	100	1210	73	5.70	53	64	225
VE-12S	10-30	9/24/2010	100	1148	91	5.75	30	87	120

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-12S	10-30	9/28/2010	100	1155	94	5.75	29	83	124
VE-12S	10-30	10/6/2010	100	1113	63	5.90	80	81	113
VE-12S	10-30	10/8/2010	100	1321	88	5.85	28	87	117
VE-12S	10-30	10/12/2010	100	1516	87	5.90	36	81	105
VE-12S	10-30	10/15/2010	100	1253	70	5.85	70	69	129
VE-12S	10-30	10/19/2010	100	1215	71	5.85	70	75	124
VE-12S	10-30	10/22/2010	100	1212	70	5.90	64	73	125
VE-12S	10-30	10/26/2010	100	0750	69	5.75	62	78	138
VE-12S	10-30	10/29/2010	100	1214	87	5.95	24	94	107
VE-12S	10-30	11/3/2010	100	0817	70	5.85	35	67	111
VE-12S	10-30	11/5/2010	100	0840	72	5.25	41	67	114
VE-12S	10-30	11/9/2010	100	1315	78	5.25	23	70	105
VE-12S	10-30	11/12/2010	100	0655	51	5.45	48	85	125
VE-12S	10-30	11/16/2010	100	0740	57	5.45	57	125	114
VE-12S	10-30	11/19/2010	100	0629	71	5.40	34	116	96
VE-12S	10-30	11/23/2010	100	1531	64	5.60	40	140	111
VE-12S	10-30	11/26/2010	100	0930	69	5.70	43	145	113
VE-12S	10-30	12/1/2010	100	1203	69	6.30	65	120	94
VE-12S	10-30	12/3/2010	100	0730	59	6.40	43	177	93
VE-12S	10-30	12/10/2010	100	0825	66	6.20	53	122	92
VE-12S	10-30	12/14/2010	100	1140	63	6.30	73	NM	87
VE-12S	10-30	12/17/2010	100	0755	61	6.30	65	114	83
VE-12S	10-30	12/21/2010	100	1200	69	6.50	71	90	NM
VE-12S	10-30	12/24/2010	100	50	58	6.75	64	79	NM
VE-12S	10-30	12/28/2010	100	1030	78	6.60	34	121	NM
VE-12S	10-30	12/30/2010	100	1150	67	5.20	15	NM	98
VE-12S	10-30	1/6/2011	100	1045	78	5.40	21	113	82
VE-12S	10-30	1/12/2011	100	1052	83	7.15	20	NM	38
VE-12S	10-30	1/19/2011	100	1105	78	6.30	34	NM	31
VE-12S	10-30	1/26/2011	100	0955	85	6.35	22	172	36
VE-12S	10-30	1/27/2011	100	0820	63	5.80	--	108	--
VE-12S	10-30	2/2/2011	100	1130	64	5.40	--	65	46
VE-12S	10-30	2/9/2011	100	1520	86	4.60	3	112	27
VE-12S	10-30	2/17/2011	100	0840	74	4.40	28	45	7
VE-12S	10-30	2/23/2011	100	1450	69	5.70	34	158	35
VE-12S	10-30	2/28/2011	100	1145	80	5.55	43	110	25
VE-12S	10-30	3/7/2011	100	1055	93	5.45	44	78	114
VE-12S	10-30	3/14/2011	100	1600	84	5.20	31	62	42
VE-12S	10-30	4/7/2011	100	1300	80	5.70	55	62	8
VE-12S	10-30	4/11/2011	100	0755	77	5.90	54	63	96
VE-12S	10-30	4/18/2011	100	1215	70	5.60	49	59	19
VE-12S	10-30	4/28/2011	100	0951	85	3.50	35	43	3
VE-12S	10-30	5/3/2011	100	0900	86	5.70	30	67	18
VE-12S	10-30	5/10/2011	100	1500	83	5.60	29	63	10
VE-12S	10-30	5/16/2011	100	1150	85	5.75	36	42	8
VE-12S	10-30	6/6/2011	100	0940	80	5.45	35	68	37
VE-12S	10-30	6/13/2011	100	1200	85	5.40	48	74	8
VE-12S	10-30	6/20/2011	100	1455	99	5.25	42	75	11
VE-12S	10-30	6/27/2011	100	1125	95	5.40	43	78	37
VE-12S	10-30	7/5/2011	100	1100	100	5.45	37	78	30
VE-12S	10-30	7/11/2011	100	0850	74	74.0	35	58	17
VE-12S	10-30	7/18/2011	100	1020	88	5.60	43	72	16
VE-12S	10-30	7/25/2011	100	0835	92	5.70	40	68	15

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-12S	10-30	8/1/2011	100	0740	82	5.90	50	68	17
VE-12S	10-30	8/10/2011	100	0825	73	5.55	44	57	16
VE-12S	10-30	8/15/2011	100	1105	97	5.60	45	70	15
VE-12S	10-30	8/23/2011	100	1500	105	5.75	48	77	17
VE-12S	10-30	8/30/2011	100	0820	73	5.55	44	61	15
VE-12S	10-30	9/7/2011	100	1530	106	5.30	31	86	9
VE-12S	10-30	9/12/2011	100	1010	83	5.65	47	70	18
VE-12S	10-30	9/19/2011	100	1350	93	5.70	51	77	15
VE-12S	10-30	9/26/2011	100	1200	81	5.85	52	67	21
VE-12S	10-30	10/3/2011	100	1105	88	5.85	45	77	13
VE-12S	10-30	10/10/2011	100	1120	87	5.75	47	85	13
VE-12S	10-30	10/17/2011	100	1325	87	5.20	33	77	10
VE-12S	10-30	10/24/2011	100	1140	70	6.00	51	72	18
VE-12S	10-30	10/31/2011	100	0920	71	5.95	51	71	19
VE-12S	10-30	11/7/2011	100	1120	66	6.05	47	77	15
VE-12S	10-30	11/14/2011	100	1110	81	6.00	40	90	16
VE-12S	10-30	11/21/2011	100	1410	71	6.00	49	NM	11
VE-12S	10-30	11/28/2011	100	1105	86	6.00	31	NM	15
VE-12S	10-30	12/5/2011	100	0930	67	6.00	48	NM	15
VE-12S	10-30	12/19/2011	100	1145	61	5.90	67	NM	16
VE-12S	10-30	12/29/2011	100	1040	79	5.95	70	NM	21
VE-12S	10-30	1/3/2012	100	1100	95	6.00	37	NM	25
VE-12S	10-30	1/12/2012	100	1135	80	5.75	34	156	26
VE-12S	10-30	1/16/2012	100	1310	65	5.75	46	NM	28
VE-12S	10-30	1/23/2012	100	1200	56	5.70	86	NM	33
VE-12S	10-30	1/30/2012	100	1305	77	5.60	84	NM	27
VE-12S	10-30	2/6/2012	100	1030	75	5.55	66	NM	28
VE-12S	10-30	2/14/2012	100	1120	67	5.60	51	108	20
VE-12S	10-30	2/20/2012	100	1155	89	5.65	53	101	20
VE-12S	10-30	2/27/2012	100	1635	63	5.45	53	96	21
VE-12S	10-30	3/5/2012	100	1310	80	5.10	18	100	21
VE-12S	10-30	3/12/2012	100	1005	70	5.35	43	62	10
VE-12S	10-30	3/19/2012	100	1505	NM	5.25	NM	NM	11
VE-12S	10-30	3/26/2012	100	1530	71	5.35	NM	72	14
VE-12S	10-30	4/2/2012	100	1455	73	5.20	NM	73	18
VE-12S	10-30	4/10/2012	100	1130	71	5.20	NM	65	7.3
VE-12S	10-30	4/17/2012	100	1020	88	5.00	24	69	8.0
VE-12S	10-30	4/23/2012	100	1500	70	5.10	54	63	7.1
VE-12S	10-30	4/30/2012	100	1015	85	5.10	40	70	5.0
VE-12S	10-30	5/7/2012	100	1045	90	5.00	36	70	8.0
VE-12S	10-30	5/15/2012	100	0845	76	4.80	52	58	5.8
VE-12S	10-30	5/21/2012	100	1505	98	4.75	30	63	7.0
VE-12S	10-30	5/29/2012	100	1300	91	4.80	29	61	8.1
VE-12S	10-30	6/5/2012	100	1100	96	4.80	19	66	17
VE-12S	10-30	6/11/2012	100	0850	76	4.85	52	57	5.3
VE-12S	10-30	6/18/2012	100	1020	90	4.80	64	58	17
VE-12S	10-30	6/25/2012	100	1055	96	5.15	26	66	13
VE-14S	10-30	4/28/2011	100	0954	92	3.50	60	47	0
VE-14S	10-30	5/3/2011	100	0910	88	5.70	18	60	2
VE-14S	10-30	5/10/2011	100	1530	87	5.60	29	57	0
VE-14S	10-30	5/16/2011	100	1155	83	5.75	22	61	1
VE-14S	10-30	6/6/2011	100	1015	81	5.40	30	65	3
VE-14S	10-30	6/13/2011	100	1235	92	5.40	27	71	1

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-14S	10-30	6/20/2011	100	1540	92	5.25	39	70	2
VE-14S	10-30	6/27/2011	100	1200	101	5.40	29	68	12
VE-14S	10-30	7/5/2011	100	1135	103	5.45	36	72	7
VE-14S	10-30	7/11/2011	100	0925	77	74.0	41	68	12
VE-14S	10-30	7/18/2011	100	1130	96	5.60	26	79	3
VE-14S	10-30	7/25/2011	100	0910	84	5.60	44	74	0
VE-14S	10-30	8/1/2011	100	0815	88	5.90	49	37	5
VE-14S	10-30	8/10/2011	100	0900	78	5.60	58	48	1
VE-14S	10-30	8/15/2011	100	1140	95	5.60	30	41	0
VE-14S	10-30	8/23/2011	100	1535	97	5.70	30	38	3
VE-14S	10-30	8/30/2011	100	0855	75	5.55	63	63	2
VE-14S	10-30	9/7/2011	100	1605	105	5.40	29	41	2
VE-14S	10-30	9/12/2011	100	1045	90	5.60	45	22	1
VE-14S	10-30	9/19/2011	100	1425	93	5.70	32	43	1
VE-14S	10-30	9/26/2011	100	1235	81	5.85	44	40	1
VE-14S	10-30	10/3/2011	100	1145	92	5.80	45	41	0
VE-14S	10-30	10/10/2011	100	1155	89	5.70	26	44	4
VE-14S	10-30	10/17/2011	100	1400	90	5.85	38	19	18
VE-14S	10-30	10/24/2011	100	1215	72	6.00	62	38	1
VE-14S	10-30	10/31/2011	100	0955	79	5.95	45	40	1
VE-14S	10-30	11/7/2011	100	1155	71	6.00	46	40	1
VE-14S	10-30	11/14/2011	100	1145	78	6.00	48	44	1
VE-14S	10-30	11/21/2011	100	1445	--	5.95	--	NM	0
VE-14S	10-30	11/28/2011	100	1140	85	6.00	23	36	3
VE-14S	10-30	12/5/2011	100	1005	75	6.00	49	NM	1
VE-14S	10-30	12/19/2011	100	1220	62	5.95	53	NM	1
VE-14S	10-30	12/29/2011	100	1115	77	5.90	72	52	3
VE-14S	10-30	1/3/2012	100	1135	88	5.95	42	42	0.5
VE-14S	10-30	1/12/2012	100	1210	83	5.75	21	41	2.5
VE-14S	10-30	1/16/2012	100	1350	65	5.75	59	NM	2.1
VE-14S	10-30	1/23/2012	100	1235	58	5.70	86	NM	1.3
VE-14S	10-30	1/30/2012	100	1340	83	5.60	78	39	3.9
VE-14S	10-30	2/6/2012	100	1105	79	5.55	22	34	1.4
VE-14S	10-30	2/14/2012	100	1155	72	5.60	77	35	0.0
VE-14S	10-30	2/20/2012	100	1230	71	5.65	43	35	1.2
VE-14S	10-30	2/27/2012	100	1710	62	5.45	40	32	1.2
VE-14S	10-30	3/5/2012	100	1345	88	5.10	14	44	0.8
VE-14S	10-30	3/12/2012	100	1040	78	5.35	37	50	1.2
VE-14S	10-30	3/19/2012	100	1540	NM	5.25	NM	NM	2.5
VE-14S	10-30	3/26/2012	100	1605	70	5.30	NM	39	1.0
VE-14S	10-30	4/2/2012	100	1530	67	5.20	NM	70	0.0
VE-14S	10-30	4/10/2012	100	1205	72	5.10	NM	45	6.1
VE-14S	10-30	4/17/2012	100	1055	93	4.95	19	58	1.3
VE-14S	10-30	4/23/2012	100	1535	69	5.10	48	36	0.0
VE-14S	10-30	4/30/2012	100	1050	82	5.10	40	36	1.0
VE-14S	10-30	5/7/2012	100	1120	90	5.00	42	43	3.5
VE-14S	10-30	5/15/2012	100	0920	77	4.80	45	48	3.4
VE-14S	10-30	5/21/2012	100	1540	93	4.75	33	40	2.1
VE-14S	10-30	5/29/2012	100	1335	92	4.75	31	38	4.5
VE-14S	10-30	6/5/2012	100	1135	98	4.75	19	46	3.5
VE-14S	10-30	6/11/2012	100	0925	78	4.80	48	38	3.1
VE-14S	10-30	6/18/2012	100	1055	91	4.80	64	37	1.7
VE-14S	10-30	6/25/2012	100	1130	96	5.05	21	39	5.7

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-15S	10-30	4/28/2011	100	0954	94	3.45	62	28	0
VE-15S	10-30	5/3/2011	100	0907	90	5.70	16	34	5
VE-15S	10-30	5/10/2011	100	1540	92	5.60	28	38	1
VE-15S	10-30	5/16/2011	100	1200	88	5.75	35	32	2
VE-15S	10-30	6/6/2011	100	0930	83	5.35	34	37	9
VE-15S	10-30	6/13/2011	100	1152	82	5.40	48	35	3
VE-15S	10-30	6/20/2011	100	1440	107	5.20	41	38	4
VE-15S	10-30	6/27/2011	100	1155	92	5.40	44	37	12
VE-15S	10-30	7/5/2011	100	1050	106	5.45	35	33	11
VE-15S	10-30	7/11/2011	100	0840	74	76.0	35	25	2
VE-15S	10-30	7/18/2011	100	1000	85	5.60	44	28	5
VE-15S	10-30	7/25/2011	100	0825	80	5.65	42	23	4
VE-15S	10-30	8/1/2011	100	0730	81	5.90	53	24	5
VE-15S	10-30	8/10/2011	100	0815	74	5.55	44	28	4
VE-15S	10-30	8/15/2011	100	1055	99	5.60	44	39	6
VE-15S	10-30	8/23/2011	100	1450	110	5.75	47	46	5
VE-15S	10-30	8/30/2011	100	0810	72	5.50	45	30	5
VE-15S	10-30	9/7/2011	100	1520	106	5.40	27	56	2
VE-15S	10-30	9/12/2011	100	1000	79	5.65	50	40	6
VE-15S	10-30	9/19/2011	100	1340	106	5.75	47	46	7
VE-15S	10-30	9/26/2011	100	1150	82	5.85	54	33	7
VE-15S	10-30	10/3/2011	100	1055	90	5.75	43	36	6
VE-15S	10-30	10/10/2011	100	1110	88	5.75	42	53	4
VE-15S	10-30	10/17/2011	100	1315	87	5.85	34	40	3
VE-15S	10-30	10/24/2011	100	1130	70	6.00	52	37	5
VE-15S	10-30	10/31/2011	100	0910	69	5.95	50	36	7
VE-15S	10-30	11/7/2011	100	1110	63	6.00	47	35	5
VE-15S	10-30	11/14/2011	100	1100	83	6.00	38	47	5
VE-15S	10-30	11/21/2011	100	1400	78	6.00	48	NM	2
VE-15S	10-30	11/28/2011	100	1055	--	6.05	--	NM	6
VE-15S	10-30	12/5/2011	100	0920	72	6.00	53	NM	4
VE-15S	10-30	12/19/2011	100	1135	61	5.95	62	105	3
VE-15S	10-30	12/29/2011	100	1030	80	5.95	68	130	3
VE-15S	10-30	1/3/2012	100	1050	96	6.00	36	123	2.0
VE-15S	10-30	1/12/2012	100	1125	75	5.75	34	135	5.5
VE-15S	10-30	1/16/2012	100	1300	66	5.70	46	104	3.5
VE-15S	10-30	1/23/2012	100	1150	57	5.70	86	NM	2.3
VE-15S	10-30	1/30/2012	100	1255	81	5.60	79	NM	3.3
VE-15S	10-30	2/6/2012	100	1020	74	5.55	65	95	2.0
VE-15S	10-30	2/14/2012	100	1110	67	5.60	48	83	1.3
VE-15S	10-30	2/20/2012	100	1145	88	5.65	52	126	3.0
VE-15S	10-30	2/27/2012	100	1625	65	5.45	50	88	2.1
VE-15S	10-30	3/5/2012	100	1300	73	5.10	22	85	1.8
VE-15S	10-30	3/12/2012	100	0955	67	5.35	40	70	2.5
VE-15S	10-30	3/19/2012	100	1455	NM	5.25	NM	NM	3.1
VE-15S	10-30	3/26/2012	100	1520	71	5.35	NM	73	0.1
VE-15S	10-30	4/2/2012	100	1445	73	5.20	NM	66	4.7
VE-15S	10-30	4/10/2012	100	1120	71	5.20	NM	60	3.7
VE-15S	10-30	4/17/2012	100	1010	88	5.00	23	78	7.5
VE-15S	10-30	4/23/2012	100	1450	70	5.10	54	58	1.0
VE-15S	10-30	4/30/2012	100	1005	84	5.10	35	67	3.5
VE-15S	10-30	5/7/2012	100	1035	91	5.00	30	69	5.3
VE-15S	10-30	5/15/2012	100	0835	75	4.80	50	53	2.3

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VEW Monitoring Data Summary

Date	Screen Interval (ft bgs)	Well	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-15S	10-30	5/21/2012	100	1455	94	4.70	32	65	4.4
VE-15S	10-30	5/29/2012	100	1250	90	4.80	35	63	10
VE-15S	10-30	6/5/2012	100	1050	96	4.75	33	62	11
VE-15S	10-30	6/11/2012	100	0840	78	4.85	45	58	2.4
VE-15S	10-30	6/18/2012	100	1010	82	4.85	64	60	4.6
VE-15S	10-30	6/25/2012	100	1045	96	NM	28	73	9.9

Notes:

PID reading was not collected on 12/21, 12/24, and 12/28/2010. Flame ionization detector (FID) reading is available upon request

ft bgs - feet below ground surface
ppmv - parts per million by volume
NM - not measured
F - degree Fahrenheit
E - Excceds PID range of detection
in Hg - inches of Mercury
PID - photoionization detector
SCFM - standard cubic feet per minute

Table D3
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
System Performance Monitoring - System Results

Date	Run time* hr	Vacuum in Hg	Relative Humidity %	FLOW Influent SCFM	FLOW Effluent SCFM	Influent Operating Conditions Temp. F	Influent Operating Conditions Pres. in H2O	Intermediate Operating Conditions Temp. F	Intermediate Operating Conditions Pres. in H2O	Effluent Operating Conditions Temp. F	Effluent Operating Conditions Pres. in H2O	PID Influent ppmv	PID Intermediate ppmv	PID Effluent ppmv	GAC Efficiency (PID)[a] Lead	GAC Efficiency (PID)[a] Overall	GAC Efficiency (Analytical)[b] Lead	GAC Efficiency (Analytical)[b] Overall	Remarks
6/9/10	10.3	8.9	NM	656	656	74	11.0	81	7.5	87	3.0	9999	0.5	0.0	100%	100%	100.0%	100.0%	System running; perform O&M; collect inf/eff samples; monitor VMPs.
6/14/10	26.7	8.6	NM	538	538	90	6.0	95	7.0	100	3.0	427	0.0	0.0	100%	100%	100.0%	100.0%	System running; perform O&M;
6/15/10	45.7	9.8	NM	633	633	76	10.0	81	6.5	85	3.0	442	0.0	0.0	100%	100%	100.0%	99.9%	System running; perform O&M;
6/16/10	71.8	13.0	NM	496	503	74	7.5	82	5.0	91	2.0	567	0.0	0.0	100%	100%	99.9%	99.8%	System running; perform O&M;
6/17/10	94.0	13.0	NM	534	492	74	7.0	81	5.0	89	2.0	3697	5.1	2.9	100%	100%	99.9%	99.8%	System running; perform O&M;
6/18/10	119.7	13.0	NM	515	507	76	7.5	83	5.0	89	2.0	3405	5.1	2.1	100%	100%	99.9%	99.7%	System running; perform O&M;
6/19/10	141.9	13.0	NM	507	503	77	7.0	80	5.0	83	2.0	3211	5.8	3.9	100%	100%	99.8%	99.6%	System running; perform O&M;
6/20/10	166.1	13.0	NM	529	502	77	7.0	82	5.0	87	2.0	3257	4.1	2.1	100%	100%	99.8%	99.5%	System running; perform O&M;
6/21/10	185.9	13.0	NM	517	504	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	99.8%	99.4%	System shut down;
6/21/10	185.9	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	99.8%	99.4%	Perform carbon change out (lead vessel), switch lead/lag vessels, turn system back on, cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero.
6/23/10	225.5	13.0	NM	562	519	78	8.0	81	6.0	84	3.0	2698	2.3	1.8	100%	100%	99.7%	99.2%	System running; perform O&M;
6/30/10	393.2	11.0	NM	539	508	77	7.5	81	5.0	85	3.0	1312	0.6	1.1	100%	100%	99.3%	98.2%	System running; perform O&M; collect inf/eff Samples
7/7/10	569.1	11.5	NM	510	518	77	10.0	81	5.0	84	3.0	1048	83.2	1.5	92%	100%	79.5%	99.3%	System running; perform O&M; collect inf/eff samples; monitor VMPs.
7/9/10	610.2	11.8	NM	537	515	75	8.0	NM	5.0	NM	3.0	1053	73.3	5.5	93%	99%	80.4%	99.4%	System shut down due to carbon break through from both vessels;
7/13/10	610.2	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon change out (both vessels). Mass loading on both vessels are reset to zero. Restart system.
7/14/10	627.3	14.0	NM	492	437	98	7.5	103	6.0	109	4.0	1047	0.5	1.3	100%	100%	80.8%	99.4%	System running; perform O&M
7/20/10	769.5	13.0	NM	512	543	83	7.0	87	5.0	92	3.0	848	1.4	0.5	100%	100%	85.2%	99.6%	System running; perform O&M
7/23/10	842.6	12.5	NM	505	522	82	7.0	86	5.0	89	3.0	724	14.3	0.6	98%	100%	88.3%	99.7%	System running; perform O&M
7/27/10	939.3	13.2	NM	503	500	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	93.9%	99.9%	System shut down due to disconnected piping and heat exchange temperature sensor failure;
7/28/10	939.3	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon changeout (lead vessel). Mass loading on lead vessel is set to equal to previous cumulative mass loading of lag vessel; cumulative mass loading of lag vessel is set to zero. System Remained off for repair (pipe repair performed on 7/30).
8/3/10	939.3	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Completed repair. Temperature sensor and wiring replaced. Restarted System
8/4/10	959.4	12.0	NM	486	574	80	7.0	86	5.0	92	1.5	645	6.1	0.4	99%	100%	95.4%	100.0%	System running; perform O&M; collect inf/eff Samples; measure VMPs
8/6/10	1009.7	12.0	NM	459	512	83	7.0	83	5.0	84	2.0	634	13.4	0.0	98%	100%	96.6%	100.0%	System running; perform O&M
8/9/10	1077.7	12.0	NM	473	543	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	98.9%	100.0%	System shutdown for carbon changeout at 8AM
8/9/10	1077.7	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon change out (lead vessel), switch lead/lag vessels, turn system back on, cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero.
8/10/10	1100.5	12.5	NM	461	553	89	8.0	94	6.0	99	4.0	583	0.7	0.0	100%	100%	100.0%	100.0%	System running; perform O&M; collect inf/eff Samples; collect VEW samples
8/13/10 #	1168.9	12.5	NM	486	504	79	8.0	83	5.0	88	3.0	527	0.4	0.4	100%	100%	100%	100%	System running; perform O&M; collect VEW samples
8/17/10 #	1216.7	12.5	13	448	504	97	9.0	95	6.0	93	4.0	610	4.1	3.7	99%	99%	100%	100%	System running; perform O&M
8/20/10 #	1284.4	13.0	15	452	511	92	8.5	97	6.0	100	5.0	530	2.8	1.7	99%	100%	100%	100%	System running; perform O&M
8/24/10 #	1383.8	13.0	NM	415	508	100	8.5	100	6.0	103	5.5	511	14.5	3.6	97%	99%	100%	100%	System running; perform O&M
9/1/10 #	1562.4	12.0	22	464	569	82	7.0	83	5.0	84	1.5	455	24.6	0.0	95%	100%	100%	100%	System running; perform O&M
9/2/10	1586.4	12.7	NM	444	529	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	100%	100%	System shutdown for carbon changeout

Table D3
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
System Performance Monitoring - System Results

Date	Run time*	Vacuum	Relative Humidity	FLOW		Influent Operating Conditions		Intermediate Operating Conditions		Effluent Operating Conditions		PID			GAC Efficiency (PID)[a]		GAC Efficiency (Analytical)[b]		Remarks
				Influent	Effluent	Temp.	Pres.	Temp.	Pres.	Temp.	Pres.	Influent	Intermediate	Effluent	Lead	Overall	Lead	Overall	
	hr	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						
9/2/10	1586.4	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon change out (lead vessel), switch lead/lag vessels, turn system back on, cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero.
9/8/10	1727.0	10.3	26	510	498	75	9.0	76	5.5	77	2.5	435	0.8	0.6	100%	100%	99.8%	99.9%	System running; perform O&M; collect inf/eff Samples; collect VEW samples; monitor VMPs
9/10/10	1773.4	12.5	15	430	495	84	9.0	88	5.3	93	2.0	372	1.4	0.9	100%	100%	99.1%	99.9%	System running; perform O&M
9/15/10	1894.4	12.5	18	440	520	89	10.0	91	5.5	94	2.5	371	10.5	1.5	97%	100%	97.2%	99.9%	System running; perform O&M; Monitor VMPs.
9/22/10	2054.1	10.5	34	504	537	73	8.0	76	5.0	78	2.5	359	4.3	0.9	99%	100%	94.2%	99.9%	System running; perform O&M
9/24/10	2100.5	12.5	21	450	530	85	8.0	86	5.0	86	2.5	284	25.4	2.7	91%	99%	93.2%	99.9%	System running; perform O&M
9/28/10	2196.9	12.0	19	510	530	95	8.0	96	5.5	96	2.5	260	19.0	8.3	93%	97%	90.9%	99.9%	System running; perform O&M
9/29/10	2228.4	11.7	NM	488	532	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	90%	100%	System shutdown for carbon changeout
10/4/10	2228.4	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon change out (lead vessel), switch lead/lag vessels; cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero.
10/5/10	2228.4	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	System restart
10/6/10	2253.4	9.0	50	570	584	66	8.0	68	6.0	71	3.0	288	6.0	0.2	98%	100%	89%	99.9%	System running; perform O&M; collect inf/eff samples; monitor VMPs.
10/8/10	2303.4	12.0	18	520	575	84	8.5	91	6.5	99	3.0	264	16.3	0.5	94%	100%	88.3%	98.7%	System running; perform O&M
10/12/10	2371.9	12.5	24	430	41	87	8.5	92	6.5	97	3.0	266	29.5	0.7	89%	100%	86.7%	96.9%	System running; perform O&M
10/15/10	2441.5	10.0	48	450	600	71	9.0	73	7.5	75	3.0	279	25.6	0.1	91%	100%	84.9%	95.0%	System running; perform O&M
10/19/10	2536.6	12.4	53	515	515	71	10.0	73	7.0	74	3.0	265	25.3	0.1	90%	100%	82.3%	92.2%	System running; perform O&M
10/22/10	2606.5	10.0	39	630	608	70	8.5	73	7.0	77	3.0	258	21.7	0.4	92%	100%	80.2%	89.9%	System running; perform O&M;
10/26/10	2698.0	12.7	40	535	590	65	9.0	65	7.0	66	3.0	237	20.0	0.5	92%	100%	77.2%	86.6%	System running; perform O&M
10/29/10	2774.7	13.0	16	490	582	86	9.0	87	7.0	88	3.0	220	36.5	1.5	83%	99%	74.5%	83.6%	System running; perform O&M
11/1/10	2843.2	11.5	46	396	612	66	8.0	66	6.5	65	3.0	244	25.3	2.1	90%	99%	72%	81%	System running; perform O&M; collect inf/eff samples; system shutdown for carbon changeout; carbon changeout in primary vessel
11/1/10	2843.2	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon change out (lead vessel), switch lead/lag vessels; cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero.
11/3/10	2865.5	12.0	33	488	525	71	9.0	73	7.0	75	3.0	227	4.2	0.5	98%	100%	71.8%	80.6%	System running; perform O&M; collect VEW samples; monitor VMPs
11/5/10	2914.1	11.5	42	490	556	71	8.5	75	6.5	78	4.0	255	3.2	0.3	99%	100%	71.7%	80.3%	System running; perform O&M
11/9/10	3015.2	12.0	18	422	577	74	8.5	79	6.0	83	3.5	229	19.2	0.8	92%	100%	71.5%	79.8%	System running; perform O&M
11/12/10	3081.4	9.0	33	388	568	52	9.0	55	6.5	58	3.0	271	8.2	0.3	97%	100%	71.5%	79.4%	System running; perform O&M
11/16/10	3178.1	9.5	38	382	571	57	10.5	59	6.0	61	3.0	247	11.6	0.1	95%	100%	71.3%	78.9%	System running; perform O&M
11/19/10	3245.7	12.9	50	396	581	64	8.5	65	6.0	67	2.5	210	10.4	0.8	95%	100%	71.2%	78.6%	System running; perform O&M
11/23/10	3350.4	11.0	24	413	544	66	15.0	66	6.0	66	3.0	235	28.8	2.7	88%	99%	71.1%	78.1%	System running; perform O&M
11/26/10	3416.8	13.5	59	358	568	69	15.0	69	5.5	69	2.5	269	12.9	1.3	95%	100%	71.0%	77.8%	System running; perform O&M
12/1/10	3489.9	13.5	49	366	569	79	10.0	76	6.0	72	2.5	283	11.6	3.7	96%	99%	71.0%	77.5%	System off upon arrival for O&M; perform O&M
12/3/10	3492.4	13.3	55	370	585	71	10.0	70	6.0	68	2.5	301	8.9	2.8	97%	99%	71.0%	77.5%	System running; perform O&M
12/10/10	3536.5	12.3	54	222	704	73	12.0	72	6.5	71	3.5	213	10.9	1.9	95%	99%	70.9%	77.3%	System running; perform O&M; collect VEW samples; collect inf/eff samples.
12/14/10	3636.2	10.5	63	290	712	72	13.0	67	7.0	62	3.0	203	16.1	13.3	92%	93%	69.6%	80.2%	System running; perform O&M. Turn power off for carbon change out. Monitor VMPs.

Table D3
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
System Performance Monitoring - System Results

Date	Run time*	Vacuum	Relative Humidity	FLOW		Influent Operating Conditions		Intermediate Operating Conditions		Effluent Operating Conditions		PID			GAC Efficiency (PID)[a]		GAC Efficiency (Analytical)[b]		Remarks
	hr	in Hg	%	Influent SCFM	Effluent SCFM	Temp. F	Pres. in H2O	Temp. F	Pres. in H2O	Temp. F	Pres. in H2O	Influent	Intermediate ppmv	Effluent	Lead	Overall	Lead	Overall	
12/15/10	3636.2	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon change out (both vessel). Cumulative mass loading of both vessels are set to zero.
12/17/10	3670.7	12.1	42	521	516	74	8.5	73	5.0	71	1.0	200	0.0	0.0	100%	100%	74.2%	81.2%	System running; perform O&M.
12/21/10	3745.2	12.8	50	438	491	69	7.5	67	5.0	64	1.0	NM	NM	NM	NM	NM	76.1%	83.5%	System running; perform O&M.
12/24/10	3784.7	12.9	64	485	543	60	8.0	61	4.0	61	0.0	NM	NM	NM	NM	NM	77.1%	84.7%	System running; perform O&M.
12/28/10	3884.3	12.0	31	535	572	75	10.0	77	5.0	78	0.0	NM	NM	NM	NM	NM	79.8%	87.9%	System running; perform O&M; Monitor VMPs.
12/30/10	3906.2	9.5	18	595	603	68	11.0	67	6.5	67	2.0	152	0.3	0.3	100%	100%	80.4%	88.6%	System running; perform O&M.
1/6/11	4056.4	10.0	21	593	623	82	10.0	81	6.0	80	0.0	164	0.9	0.7	99%	100%	84.6%	93.7%	System running; perform O&M.
1/12/11	4188.9	12.0	22	452	500	76	6.0	80	4.0	84	1.0	94	0.0	0.0	100%	100%	88.6%	98.4%	System running; perform O&M; collect VEW samples; collect VMP samples; collect inf/eff samples.
1/19/11	4348.7	10.0	28	421	500	78	6.0	79	4.0	81	0.0	105	1.0	0.0	99%	100%	88.4%	98.3%	System running; perform O&M.
1/26/11	4515.4	8.4	11	318	480	73	8.0	71	4.0	69	0.0	108	3.5	0.0	97%	100%	88.1%	98.2%	System running; perform O&M; Monitor select VMPs.
1/27/11	4539.4	NM	NM	256	403	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System running; perform O&M; Monitor select VMPs; bring VE-15S online and conduct requisite system monitoring
2/2/11	4685.4	8.7	NM	194	325	72	8.0	70	4.5	67	0.0	121	12.3	2.3	90%	98%	87.9%	98.1%	System running; perform O&M; Monitor select VMPs; bring VE-14S online and conduct requisite system monitoring
2/8/11	4685.4	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	Perform carbon change out (lead vessel), switch lead/lag vessels; cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero.
2/9/11	4710.6	7.7	85	385	561	81	8.5	84	5.0	87	4.0	123	0.2	0.0	100%	100%	87.8%	98.0%	System off upon arrival for O&M; perform O&M
2/17/11	4873.9	6.0	NM	545	477	66	6.0	70	1.5	74	2.5	89	0.2	0.0	100%	100%	87.6%	97.9%	System running; perform O&M. System down multiple time in this period due to high temp alarm.
2/23/11	5022.3	6.8	50	356	514	67	6.0	68	1.0	70	2.5	405	20.1	0.6	95%	100%	87.4%	97.8%	System running; perform O&M.
2/25/11	5070.3	NM	NM	371	525	71	5.5	72	3.0	73	2.3	267	10.3	6.2	96%	98%	87.3%	97.8%	System running; collect inf/eff samples; collect VEW samples.
2/28/11	5130.2	6.7	NM	385	535	75	5.0	76	5.0	76	2.0	128	0.4	11.7	100%	91%	87.4%	97.7%	System running; perform O&M. System down multiple time in this period due to high temp alarm.
3/7/11	5282.3	6.6	NM	360	535	75	6.5	78	1.0	80	3.0	377	49.0	0.1	87%	100%	87.8%	97.6%	System running; perform O&M.
3/14/11	5440.5	6.2	32	525	560	80	7.0	80	2.0	80	3.0	296	87.0	1.7	71%	99%	88.3%	97.4%	System running; perform O&M. System shutdown on 3/18 for carbon changeout
3/22/11	5529.4	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Perform carbon change out (lead vessel), switch lead/lag vessels; cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero. Restart system.
3/23/11	5529.4	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System automatic shutoff due to blower overheating. Wellfield was not opened when system was restarted on 3/22. Blower needed to be refurbished. No sampling was perform in March due to system shutdown.
4/4/11	5529.4	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Install refurbished blower unit and restarted system.
4/7/11	5606.8	8.8	28	595	600	80	8.0	84	8.5	87	2.0	60	0.7	0.0	99%	100%	89.4%	97.1%	System running; perform O&M.
4/11/11	5697.3	9.0	46	558	591	60	8.0	64	8.0	69	0.0	276	4.2	0.1	98%	100%	90.5%	96.7%	System running; perform O&M. VMP quarterly monitoring; collect inf/eff samples; collect VEW samples; collect VMP samples.
4/18/11	5857.8	9.4	48	690	675	75	7.5	74	8.0	73	2.5	296	6.3	0.0	98%	100%	90.6%	96.8%	System running; perform O&M.
4/21/11	5926.1	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Shutdown existing system for upgrade to new system with 1,000 cfm blower

Table D3
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
System Performance Monitoring - System Results

Date	Run time*	Vacuum	Relative Humidity	FLOW		Influent Operating Conditions		Intermediate Operating Conditions		Effluent Operating Conditions		PID			GAC Efficiency (PID)[a]		GAC Efficiency (Analytical)[b]		Remarks
	hr	in Hg	%	Influent SCFM	Effluent SCFM	Temp. F	Pres. in H2O	Temp. F	Pres. in H2O	Temp. F	Pres. in H2O	Influent	Intermediate ppmv	Effluent	Lead	Overall	Lead	Overall	
4/26/11	10939.7	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	starup/shakedown of new system; brought VE-6S, VE-14S, and VE-15S on-line. Blower runtime meter replaced.
4/28/11	10989.1	3.6	31	612	560	87	7.8	84	30.0	82	0.0	13	0.8	0.0	94%	100%	92.9%	99.0%	System running; perform O&M.
5/3/11	11106.1	5.9	22	805	815	105	79.5	97	12.5	88	6.0	45	5.4	0.0	88%	100%	93.0%	99.1%	System running; perform O&M.
5/5/11	11154.1	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	shutdown for carbon changeout (lead vessel only)
5/5/11	11154.1	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Restarted system after carbon changeout (lead vessel), switch lead/lag vessels. Cumulative mass loading of lead vessel is set to equal to previous cumulative mass loading of lag vessel, cumulative mass loading of lag vessel is set to zero. Restart system.
5/10/11	11270.0	5.8	29	850	820	99	18.5	96	12.5	93	5.0	109	2.2	0.0	98%	100%	93.0%	99.1%	System running; perform O&M.
5/16/11	11411.3	5.9	24	860	880	100	19.0	95	12.5	89	5.0	101	0.3	0.3	100%	100%	93.1%	99.1%	System running; perform O&M. Collect inf/eff samples; collect VEW samples
5/18/11	11458.7	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System shut down. Blower needed repair due to collapsing sound proof structure onto blower driving belt and subsequent bearing failure.
6/3/11	11458.7	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System restart after installation of refurbished blower
6/6/11	11533.1	5.6	28	860	905	102	20.0	96	12.5	90	5.0	139	2.5	0.7	98%	99%	92.7%	99.0%	System running; perform O&M; processed water; System shut down on 6/7/11, reparied/cleaned manways on both carbon vessels, resealed and installed nuts and bolts to prevent manways from leaking.
6/13/11	11701.1	5.5	31	825	900	138	20.0	119	13.0	99	5.0	38	0.1	0.0	100%	100%	92.0%	98.6%	System running; perform O&M; processed waterl; On 6/14/11 ISVE restarted after "low air flow", "high air temp" alarms went off. On 6/18/11, attempted ISVE restart after "low air flow", "high water" alarms went off. "Under Voltage" alarm shown upon trying to restart. Restart on 6/19/11.
6/20/11	11850.3	5.4	34	850	890	103	19.0	101	12.5	99	5.5	37	0.5	0.3	99%	99%	91.0%	98.1%	System running; perform O&M. HX was not turned on, causing high temp and system shutdown for 3 hrs on 6/14 (HX was reset). Another shutdown occurred on 6/18 due to high float not working. Float was clean and system was restarted on 6/19.
6/28/11	12015.3	5.6	27	855	854	102	18.5	100	12.5	97	5.0	55	1.6	0.0	97%	100%	88.8%	96.9%	System running; perform O&M; Inside control panel - outgoing fan was going bad, temporarily stopped; Increased VFD frequency to 34.5 Hz.Collect inf/eff samples; collect VEW samples; VMP monitoring; collect VMP samples (6/30)
7/5/11	12183.3	5.6	30	840	860	106	20.0	104	13.0	101	5.0	100	2.5	0.0	98%	100%	90.8%	97.0%	System running; perform O&M. Blower timer not working properly. Run time is assumed to be 100%
7/11/11	12327.3	5.3	46	846	882	99	19.5	93	12.5	86	5.0	78	0.0	0.0	100%	100%	91.6%	97.0%	System running; perform O&M. Blower timer not working properly. Run time is assumed to be 100%
7/18/11	117.5	5.8	25	870	865	102	18.5	100	12.5	98	4.5	67	2.5	0.0	96%	100%	92.1%	97.0%	System running; perform O&M; Blower timer replaced on 7/13; collect inf/eff samples; collect VEW samples
7/25/11	284.1	5.8	34	870	875	103	18.5	98	12.5	93	4.5	68	5.5	5.1	92%	93%	90.3%	84.9%	System running; perform O&M.
8/1/11	451.9	6.0	35	886	862	100	19.0	95	12.5	90	5.5	82	5.6	2.6	93%	97%	88.3%	71.1%	System running; perform O&M.
8/10/11	630.3	5.8	45	873	874	96	19.5	90	12.5	83	5.5	94	4.7	1.7	95%	98%	85.8%	54.4%	System running; perform O&M. System was off from 8/7 19:15 to 8/9 10:00 due to malfunctioning heat exchanger fan. Fan replaced and restarted on 8/9.
8/15/11	753.0	5.8	32	920	903	103	19.0	101	12.5	99	5.0	65	7.0	3.5	89%	95%	83.9%	41.5%	System running; perform O&M.
8/23/11	948.7	5.9	29	850	850	105	18.5	104	11.5	102	4.5	91	7.8	4.2	91%	95%	80.4%	17.8%	System running; perform O&M. System shut down after O&M on 8/23 for vessel swapping.
8/30/11	969.6	5.7	52	890	890	104	18.5	97	12.8	90	6.7	112	NM	75.3	NA	33%	80.0%	15.0%	Changed carbon vessels from 8,000 lb vessels to 4,000 lb vessels on 8/26. System restarted on 8/29. No sampling ports were installed on new vessels (thus no pressure and PID reading; collect inf/eff samples; collect VEW samples.

Table D3
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
System Performance Monitoring - System Results

Date	Run time*	Vacuum	Relative Humidity	FLOW		Influent Operating Conditions		Intermediate Operating Conditions		Effluent Operating Conditions		PID			GAC Efficiency (PID)[a]		GAC Efficiency (Analytical)[b]		Remarks
	hr	in Hg	%	Influent SCFM	Effluent SCFM	Temp. F	Pres. in H2O	Temp. F	Pres. in H2O	Temp. F	Pres. in H2O	Influent ppmv	Intermediate ppmv	Effluent ppmv	Lead	Overall	Lead	Overall	
9/7/11	1160.6	5.5	20	845	825	110	18.5	110	13.0	110	7.0	50	0.0	0.0	100%	100%	55.0%	-42.9%	Carbon changed out on 9/1 (5 hrs shutdown); installed sampling ports on new vessels; system running; perform O&M; collect inf/eff samples; collect VEW samples; collect VMP samples.
9/12/11 @	1275.3	5.7	33	844	840	97	18.5	96	13.0	94	6.5	95	3.3	1.7	97%	98%	92.7%	98.8%	System running; perform O&M.
9/19/11 @	1447.0	5.9	31	855	860	103	17.5	102	12.5	101	6.5	83	0.7	0.5	99%	99%	92.7%	98.8%	System running; perform O&M.
9/26/11 @	1613.1	6.0	50	870	870	102	17.5	96	12.5	89	6.5	126	1.5	0.8	99%	99%	92.7%	98.8%	System running; perform O&M.
10/3/11 @	1780.1	6.0	34	880	845	103	17.0	100	12.5	97	6.0	158	1.2	1.1	99%	99%	92.7%	98.8%	System running; perform O&M.
10/10/11	1929.3	5.9	26	885	850	102	18.0	99	12.0	96	6.0	133	2.4	0.9	98%	99%	92.7%	98.8%	System running; perform O&M; collect inf/eff samples; collect VEW samples
10/17/11	2099.3	5.9	32	870	840	102	16.5	100	11.5	98	6.0	74	1.5	0.6	98%	99%	89.8%	95.2%	System running; perform O&M; Monitor VMPs.
10/24/11	2265.6	6.2	51	880	870	103	16.5	94	11.0	85	6.0	120	3.1	0.2	97%	100%	87.1%	91.9%	System running; perform O&M.
10/31/11	2431.2	6.1	38	884	864	103	16.5	97	11.5	90	6.0	127	4.1	0.2	97%	100%	84.6%	88.8%	System running; perform O&M.
11/7/11	2602.3	6.2	36	892	865	103	16.5	95	11.0	87	6.0	108	8.4	2.9	92%	97%	82.1%	85.7%	System running; perform O&M; collect inf/eff samples; collect VEW samples
11/14/11	2770.1	6.2	39	890	840	103	16.5	96	10.5	89	5.5	95	5.3	2.6	94%	97%	83.7%	87.5%	System running; perform O&M.
11/21/11	2942.0	6.2	NA	890	900	102	16.5	93	12.0	84	5.5	78	8.5	2.3	89%	97%	85.5%	89.7%	System running; perform O&M; Monitor VMPs.
11/28/11	3106.3	6.1	19	894	870	103	16.5	99	11.5	94	6.5	90	9.1	4.9	90%	95%	87.6%	92.1%	System running; perform O&M.
12/5/11	3272.5	6.2	31	900	882	103	19.0	93	11.0	83	5.5	102	16.0	4.0	84%	96%	90.2%	95.0%	System running; perform O&M.
12/12/11	3442.1	6.1	NM	895	884	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System Shutdown due to low removal efficiency
12/17/11	3442.1	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Carbon change out (primary vessel only); System Restart.
12/19/11	3491.7	6.1	36	919	905	114	19.0	96	13.5	77	6.5	95	1.2	0.0	99%	100%	94.4%	100.0%	System running; perform O&M; collect inf/eff samples; collect VEW samples; monitor VMPs (12/20/2011).
12/29/11	3732.0	6.1	70	910	950	125	19.0	104	13.5	82	6.5	99	1.5	0.0	98%	100%	95.3%	99.9%	System running; perform O&M.
1/3/12	3851.9	6.1	41	930	965	130	19.0	117	13.5	103	6.5	85	2	0	98%	100%	95.6%	99.9%	System running; perform O&M.
1/12/12	4067.8	5.9	24	912	940	126	18.5	115	13.5	104	6.5	87	1.4	0	98%	100%	96.2%	99.9%	System running; perform O&M.
1/16/12	4164.0	5.9	45	935	955	117	18.0	103	12.5	88	6.5	93	1.5	0.3	98%	100%	96.4%	99.8%	System running; perform O&M; collect inf/eff samples; collect VEW samples
1/23/12	4328.5	5.9	79	968	960	101	19.0	85	12.5	68	5.0	102	1.6	0.3	98%	100%	94.6%	98.5%	System running; perform O&M.
1/30/12	4497.7	5.8	36	927	940	102	19.0	97	12.5	92	6.0	80	6.7	4.1	92%	95%	92.7%	97.0%	System running; perform O&M.
2/6/12	4662.9	5.8	17	900	945	101	18.5	93	12.5	85	6.0	103	2.9	0.5	97%	100%	90.9%	95.6%	System running; perform O&M.
2/14/12	4855.7	5.7	32	930	960	103	17.5	96	13.0	89	6.0	78	2.1	0.1	97%	100%	88.7%	94.0%	System running; perform O&M.
2/20/12	5000.4	5.7	42	927	984	102	17.0	95	12.5	88	6.0	69	2.8	1.8	96%	97%	87.1%	92.8%	System running; perform O&M; collect inf/eff samples; collect VEW samples
2/28/12	5197.0	5.6	38	960	980	102	17.5	92	12.5	82	5.5	82	2.5	1.7	97%	98%	89.8%	94.6%	System running; perform O&M.
2/29/12	5213.2	5.7	NM	939	974.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System Shutdown due to low removal efficiency
3/2/12	5213.2	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Carbon change out (primary vessel only); System Restart.
3/5/12	5285.3	5.4	20	940	970	104	19.5	102	14.5	99	8.0	72	0	0	100%	100%	90.9%	95.3%	System running; perform O&M.
3/12/12	5449.3	5.5	45	990	994	104	21.5	96	15.0	88	8.0	67	0.2	0	100%	100%	92.8%	96.6%	System running; perform O&M.
3/19/12	5621.4	5.4	34	970	982	104	20.0	99	14.5	94	8.0	57	0.7	0	99%	100%	94.7%	97.8%	System running; perform O&M.
3/26/12	5789.5	5.5	34	925	918	105	19.5	98	13.5	91	7.5	165	0	0	100%	100%	96.3%	98.9%	System running; perform O&M. VMP quarterly monitoring (3/27/2012); collect inf/eff samples; collect VEW samples; collect VMP samples (3/27/2012).
4/2/12	5957.1	5.4	34	875	857	104	17.5	100	12.5	96	6.0	65	3.5	3	95%	95%	96.2%	98.6%	System running; perform O&M.
4/10/12	6145.4	5.3	34	917	910	104	19.5	100	13.5	96	7.0	61	0	0	100%	100%	96.0%	98.2%	System running; perform O&M.
4/17/12	6282.0	5.2	22	910	940	104	20.0	100	13.5	95	7.5	65	1.7	2.5	97%	96%	95.8%	97.9%	System running; perform O&M.
4/23/12	6430.6	5.2	43	965	965	104	19.5	100	13.5	96	7.0	76	0.1	0	100%	100%	95.7%	97.5%	System running; perform O&M. Collect inf/eff samples; collect VEW samples
4/30/12	6593.8	5.2	37	949	951	105	19.5	98	14.5	91	7.5	70	0.3	0	100%	100%	97.1%	98.1%	System running; perform O&M.
4/30/12	6593.8	5.2	NM	941	952	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System Shutdown for vessel changeout.

Table D3
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
System Performance Monitoring - System Results

Date	Run time* hr	Vacuum in Hg	Relative Humidity %	FLOW Influent SCFM	FLOW Effluent SCFM	Influent Operating Conditions Temp. F	Influent Operating Conditions Pres. in H2O	Intermediate Operating Conditions Temp. F	Intermediate Operating Conditions Pres. in H2O	Effluent Operating Conditions Temp. F	Effluent Operating Conditions Pres. in H2O	PID Influent ppmv	PID Intermediate ppmv	PID Effluent ppmv	GAC Efficiency (PID)[a] Lead	GAC Efficiency (PID)[a] Overall	GAC Efficiency (Analytical)[b] Lead	GAC Efficiency (Analytical)[b] Overall	Remarks
5/4/12	6593.8	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Both carbon vessels were replaced with new vessels containing fresh carbon for better performance. System Restart.
5/7/12	6664.4	5.2	28	985	905	104	44.0	100	24.5	95	6.0	59	1.7	1.2	97%	98%	97.9%	98.4%	System running; perform O&M.
5/15/12	6768.3	4.9	40	935	895	104	42.0	97	22.0	90	6.0	70	0	0	100%	100%	99.5%	99.1%	System running; perform O&M. Collect inf/eff samples; collect VEW samples
5/21/12	6918.8	4.9	30	912	905	103	40.5	101	22.5	99	5.5	64.2	3	3.5	95%	95%	99.1%	99.3%	System running; perform O&M.
5/29/12	7108.4	5.0	24	898	897	104	40.5	101	22.5	98	5.0	73.1	10	7	86%	90%	98.7%	99.6%	System running; perform O&M.
6/5/12	7221.0	4.9	21	922	897	103	41.0	100	22.5	97	5.5	84	2.5	1.7	97%	98%	98.6%	99.7%	System running; perform O&M. Collect inf/eff samples; collect VEW samples
6/11/12	7367.8	5.0	44	943	895	102	41.0	95	22.5	88	5.5	73.1	1.3	1.2	98%	98%	98.6%	99.7%	System running; perform O&M. Collect VMP samples.
6/18/12	7532.2	4.8	36	935	904	105	40.5	99	22.0	93	5.0	74.7	2.1	1.6	97%	98%	98.6%	99.7%	System running; perform O&M.
6/25/12	7696.6	5.2	18	964	903	104	43.0	101	24.0	98	6.0	58.9	6.1	7.1	90%	88%	98.6%	99.7%	System running; perform O&M.

Note:
*Run time is based on recorded SVE Blower run time data unless indicated otherwise
#Mass loading rates for these dates are assumed to be identical to the nearest sampling event per unit flow rate and adjusted for flow rate. When additional data becomes availabe, mass loading rates will be adjusted accordingly.
@Mass loading rate for these dates are based on 10/10/2011 analytical data instead of the interpolated data from analytical data of both 10/10/2011 and 9/7/2011. This is because the analytical data for 9/7/2011 are erroneous and not used for evaluation.
[a]GAC efficiency determined based on PID data for the lead vessel and for the treatment system overall
[b]GAC efficiency determined based on analytical data and interpolated data based on analyhtical data for the lead vessel and for the treatment system overall
NA = Not Applicable
Temp = Temperature
Pres = Pressure
HR = Hour
SCFM = Standard Cubic Feet per Minute
NM = Not measured
F = Fahrenheit
in H2O = inches of water
ppmv = parts per million by volume
Erroneous values, no included in evaluation
NM = Not measured
Calculated Values based on average or interpolated data

Table D4
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
GAC Analytical Results

Old Effluent Permit Limit*			4,328	364	2,382	3.9	118	23	2.7	125	8.1	43,625	0.03	1,360	4.8	5.5	0.14	92	10	3,320	
Updated Effluent Permit Limit (Aug'10)*			770	47	61	4.4	4.9	2.4	3.7	30	390	700	200	59	1.1	4.2	2	1200	470	1400	
Updated Effluent Permit Limit (Jun'11)*			92	170	2700	170	170	170	170	34	890	3100	160	3000	52	27	170	870	2100	200	
Sample ID		**Sample Date**	**PCE**	**TCE**	**11DCE**	**VC**	**111TCA**	**11DCA**	**12DCA**	**CF**	**MC**	**Freon11**	**Freon12**	**Freon113**	**BEN**	**TOL**	**XYL**	**CD**	**MEK**	**IP**	Total VOCs[%]
			Concentrations in parts per billion by volume (ppbv)																		
Influent	INF	6/9/2010	**270,000**	**17,000**	**32,000**	2000 U	1800 J	760 J	2000 U	**4,000**	**2,100**	**3,300**	2000 U	**18,000**	290 J	1100 J	980 J	1400 J	2000 U	10000 U	350,000
Intermediate	MID	6/9/2010	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	9.7 U	**2.5**	9.7 U	3
Effluent	EFF	6/9/2010	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	9.9 U	1.9 J	9.9 U	2
Influent	INF	6/30/2010	**130,000**	**8,900**	**13,000**	820 U	**910**	590 J	320 J	**5,700**	**1,200**	**1,400**	820 U	**12,000**	240 J	**830**	220 J	**7,000**	820 U	3100 J	190,000
Intermediate	MID	6/30/2010	**920**	**32**	**77**	1.7 J	1.1 J	1.8 J	1.2 J	**13**	**99**	**81**	**12**	**180**	0.78 J	1.1 J	5.1 U	8.3 J	5.1 U	3.8 J	1,400
Effluent	EFF	6/30/2010	**2,600**	**120**	**250**	20 U	8.6 J	8.2 J	4.4 J	**72**	**110**	**52**	8.2 J	**180**	3.7 J	3.6 J	2 J	20 J	20 U	15 J	3,500
Influent	INF	7/7/2010	**150,000**	**9,200**	**8,800**	970 U	690 J	460 J	480 J	**4,700**	860 J	**1,100**	970 U	**9,300**	300 J	150 J	970 U	4900 U	970 U	4900 U	190,000
Intermediate	MID	7/7/2010	110 U	**110**	**11,000**	110 U	44 J	**320**	110 U	**790**	**4,400**	**4,600**	110 U	**18,000**	18 J	12 J	110 U	530 U	110 U	530 U	39,000
Effluent	EFF	7/7/2010	1.8 J	1.2 J	**270**	**4.4**	1.2 J	**5.8**	2.1 U	**18**	**390**	**280**	**9.1**	**330**	0.24 J	0.71 J	2.1 U	10 U	2.1 U	10 U	1,300
Influent	INF	8/4/2010	**77,000**	**4,700**	**6,100**	400 U	**490**	240 J	370 J	**3,000**	390 J	**700**	400 U	**5,900**	72 J	54 J	400 U	390 J	400 U	250 J	100,000
Intermediate	MID	8/4/2010	**64**	19 U	**1,500**	19 U	4.1 J	**42**	19 U	**120**	**390**	**450**	3 J	**2,000**	19 U	2.2 J	19 U	28 J	19 U	13 J	4,600
Effluent	EFF	8/4/2010	0.45 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.27 J	1.9 U	0.42 J	1.9 U	9.7 U	**3.7**	9.7 U	5
Influent	INF	8/10/2010	**43,000**	**2,800**	**4,600**	370 U	**390**	190 J	240 J	**2,200**	300 J	**530**	39 J	**5,600**	110 J	**420**	59 J	1200 J	**470**	1400 J	64,000
Intermediate	MID	8/10/2010	1 J	1.9 U	1.9 U	**6.8**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**7.1**	1.9 U	0.32 J	0.19 J	1.9 U	9.5 U	1.9 U	9.5 U	15
Effluent	EFF	8/10/2010	0.82 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.29 J	0.28 J	2 U	10 U	2 U	10 U	1
Influent	INF	9/8/2010	**37,000**	**2,300**	**3,400**	220 U	**390**	140 J	**250**	**1,500**	160 J	**470**	59 J	**4,400**	170 J	**590**	29 J	1100 U	160 J	110 J	52,000
Intermediate	MID	9/8/2010	**78**	**1.8**	**5.8**	1.8 U	1.8 U	1.8 U	1.8 U	0.54 J	**5.8**	**8.7**	**3.2**	**5.6**	0.23 J	0.74 J	1.8 U	9 U	1.8 U	9 U	110
Effluent	EFF	9/8/2010	**35**	0.82 J	**6.2**	1.8 U	1.8 U	1.8 U	1.8 U	0.43 J	**13**	**4.9**	1.4 J	1.5 J	0.18 J	0.29 J	1.8 U	8.9 U	1.8 U	8.9 U	64
Influent	INF	10/6/2010	**29,000**	**1,500**	**2,300**	190 U	**300**	81 J	**230**	**790**	74 J	**330**	190 U	**2,900**	35 J	25 J	190 U	970 U	190 U	970 U	38,000
Intermediate	MID	10/6/2010	6.6 J	**67**	**1,500**	9.5 U	2.5 J	**37**	9.5 U	**97**	**160**	**550**	1.9 J	**1,600**	1.6 J	4.1 J	1.1 J	3 J	9.5 U	48 U	4,000
Effluent	EFF	10/6/2010	**20**	1.4 J	1.7 J	1.9 U	1.9 U	1.9 U	1.9 U	0.33 J	1.9 U	1.9 U	1.9 U	1.9 U	0.21 J	0.16 J	1.9 U	9.7 U	1.9 U	9.7 U	24
Influent	INF	11/1/2010	21,000	1,100	2,000	140 U	190	53 J	170	570	59 J	330	140 U	2,600	29 J	70 J	16 J	680 U	150	680 U	28,000
Intermediate	MID	11/1/2010	1,800	470	1,900	12 U	250	49	140	730	32	290	2.4 J	2,100	8.5 J	23	12	6.8 J	19	7.1 J	7,900
Effluent	EFF	11/1/2010	**300**	**140**	**470**	30 U	30 U	7.9 J	30 U	30 U	**85**	**440**	30 U	**3,900**	30 U	5.6 J	30 U	16 J	30 U	150 U	5,400
Influent	INF	12/10/2010	25,000	1,200	2,400	160 U	160	59 J	190	520	54 J	340	160 U	2,800	25 J	52 J	37 J	810 U	160 U	810 U	33,000
Intermediate	MID	12/10/2010	69	24 U	4,500	24 U	16 J	170	24 U	500	64	440	2.8 J	3,800	3 J	7.6 J	4.9 J	120 U	24 U	120 U	9,600
Effluent	EFF	12/10/2010	**43**	6.8 J	**2,000**	23 U	2 J	**42**	23 U	7.3 J	**100**	**620**	1.7 J	**4,700**	2.1 J	15 J	23 U	120 U	23 U	120 U	7,500
Influent	INF	1/12/2011	21,000	990	1,900	160 U	130 J	35 J	120 J	350	1,200	280	160 U	2,000	98 J	330	110 J	780 U	160 U	780 U	29,000
Intermediate	MID	1/12/2011	11 J	14 U	28	14 U	14 U	14 U	14 U	14 U	170	420	2.7 J	2,700	4.2 J	4.7 J	14 U	69 U	14 U	69 U	3,300
Effluent	EFF	1/12/2011	0.97 J	2.5 U	0.39 J	0.57 J	2.5 U	2.5 U	2.5 U	2.5 U	**7.6**	**64**	**5.3**	**370**	0.88 J	0.23 J	2.5 U	12 U	2.5 U	12 U	450
Influent	INF	2/25/2011	23,000	880	1,800	130 U	73 J	27 J	130	240	130 U	290	130 U	1,800	120 J	660	220	20 J	130 U	670 U	30,000
Intermediate	MID	2/25/2011	190	23	1,200	8.6 U	17	18	3.2 J	51	25	560	2.1 J	1,600	38	43	2.4 J	43 U	8.6 U	43 U	3,800
Effluent	EFF	2/25/2011	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	**3.6**	**140**	**2.8**	**520**	0.24 J	2.4 U	2.4 U	12 U	2.4 U	12 U	670
Influent	INF	4/11/2011	1,700	52	2,300	44 U	6.1 J	32 J	44 U	33 J	42 J	690	44 U	4,400	9.8 J	90	54	220 U	44 U	220 U	9,400
Intermediate	MID	4/11/2011	430	11	6.9	1.7 U	1.5 J	1.7 U	1.3 J	0.52 J	6.2	87	5.1	330	0.71 J	0.53 J	0.17 J	8.7 U	8.0	1.2 J	890
Effluent	EFF	4/11/2011	**260**	**5.8**	2 J	2.5 U	0.25 J	2.5 U	2.5 U	2.5 U	2.5 U	**2.6**	0.75 J	**8.8**	0.91 J	0.95 J	0.26 J	13 U	**22**	2.6 J	310
Influent	INF	5/16/2011	11,000	620	1,000	67 U	48 J	19 J	78	110	67 U	140	67 U	820	28 J	160	320	340 U	67 U	340 U	14,000
Intermediate	MID	5/16/2011	2 J	2.5 U	620	2.5 U	0.34 J	6.1	2.5 U	5.8	13.0	92	1.5 J	210	0.59 J	2.5 U	2.5 U	12 U	22	12 U	970
Effluent	EFF	5/16/2011	0.92 J	1.7 U	**27**	1.7 U	1.7 U	1.7 U	1.7 U	0.34 J	**8.9**	**31**	1.6 J	**30**	0.52 J	0.27 J	1.7 U	8.7 U	**21**	2 J	120

Table D4
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
GAC Analytical Results

Old Effluent Permit Limit*			4,328	364	2,382	3.9	118	23	2.7	125	8.1	43,625	0.03	1,360	4.8	5.5	0.14	92	10	3,320	
Updated Effluent Permit Limit (Aug'10)*			770	47	61	4.4	4.9	2.4	3.7	30	390	700	200	59	1.1	4.2	2	1200	470	1400	
Updated Effluent Permit Limit (Jun'11)*			92	170	2700	170	170	170	170	34	890	3100	160	3000	52	27	170	870	2100	200	
Sample ID		**Sample Date**	**PCE**	**TCE**	**11DCE**	**VC**	**111TCA**	**11DCA**	**12DCA**	**CF**	**MC**	**Freon11**	**Freon12**	**Freon113**	**BEN**	**TOL**	**XYL**	**CD**	**MEK**	**IP**	Total VOCs[%]
Influent	INF	6/28/2011	3,200	340	600	15 U	89	9.9 J	16	66	5.9 J	85	15 U	360	5.8 J	3.5 J	5.5 J	74 U	15 U	74 U	4,800
Intermediate	MID	6/28/2011	0.53 J	2.4 U	380	2.4 U	0.7 J	3.2	2.4 U	6.3	10	64	0.39 J	71	0.83 J	0.4 J	2.4 U	12 U	3.2	12 U	540
Effluent	EFF	6/28/2011	0.65 J	1.9 U	**90**	1.9 U	1.9 U	0.37 J	1.9 U	1.9 U	**9.2**	**33**	0.2 J	**8.3**	0.5 J	0.29 J	1.9 U	9.4 U	**2.7**	9.4 U	150
Influent	INF	7/18/2011	11,000	530	980	52 U	73	52 U	77	95	52 U	120	52 U	690	22 J	8.5 J	52 U	260 U	52 U	260 U	14,000
Intermediate	MID	7/18/2011	31	1.7 J	780	5.9 U	1.3 J	5.2 J	5.9 U	12	7.8	120	0.96 J	100	2 J	1.2 J	5.9 U	29 U	5.9 U	29 U	1,100
Effluent	EFF	7/18/2011	0.9 J	1.8 U	**280**	1.8 U	1.8 U	1.1 J	1.8 U	0.63 J	**14**	**93**	1.5 J	**18**	1.7 J	0.33 J	1.8 U	8.9 U	**12**	8.9 U	420
Influent	INF	8/30/2011	8,500	340	510	48 U	100	48 U	61	53	48 U	80	48 U	350	48 U	48 U	48 U	240 U	48 U	240 U	10,000
Intermediate	MID	8/30/2011	97	11	1,000	5.2 U	6	25	9	86	6.3	120	5.2 U	570	5.2 U	1.1 J	5.2 U	16 J	5.2 U	8.2 J	2,000
Effluent	EFF	8/30/2011	**3,200**	**1,000**	**1,800**	17 U	**210**	**32**	**250**	**240**	7.5 J	**140**	17 U	**1,600**	5.4 J	2.4 J	17 U	84 U	17 U	26 J	8,500
Influent	INF	9/7/2011	2.2 U	0.51 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.71 J	2.2 U	0.47 J	1 J	1.5 J	11 U	10	11 U	14
Intermediate	MID	9/7/2011	1.8 U	1.8 U	0.28 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.92 J	1.8 U	1.2 J	1.8 U	1.8 U	0.31 J	1.8 U	1.7 J	1.9	9 U	6
Effluent	EFF	9/7/2011	**8.0**	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	1.1 J	2.3 U	1 J	0.88 J	2.3 U	11 U	**8.6**	11 U	20
Influent	INF	10/10/2011	6,500	170	270	42 U	44	26 J	46	110	14 J	34 J	5.1 J	240	11 J	32 J	9.8 J	210 U	42 U	210 U	7,500
Intermediate	MID	10/10/2011	2.5 U	2.5	410	2.5 U	7.7	3.1	4.4	11	7.6	37	1 J	67	2.5 U	2.5 U	2.5 U	12 U	2.5 U	12 U	550
Effluent	EFF	10/10/2011	1.7 U	1.7 U	**41**	1.7 U	1.7 U	0.24 J	1.7 U	0.59 J	**8.2**	**18**	1.1 J	**17**	0.46 J	1.1 J	1.7 U	1.5 J	**2.3**	8.7 U	91
Influent	INF	11/7/2011	7,300	210	390	40 U	27 J	40 U	48	37 J	40 U	50	40 U	230	9 J	19 J	30 J	200 U	40 U	200 U	8,400
Intermediate	MID	11/7/2011	370	59	580	5.1 U	33	11	24	49	5.3	72	5.1 U	290	1.9 J	5.2	11	25 U	5.1 U	25 U	1,500
Effluent	EFF	11/7/2011	**30**	3.7 U	**610**	3.7 U	**7.0**	**6.4**	1.1 J	**15**	**8.9**	**130**	1 J	**390**	3.7 U	1.3 J	2.1 J	18 U	3.7 U	18 U	1,200
Influent	INF	12/19/2011	4,500	120	240	22 U	12 J	22 U	33	28	22 U	43	1.4 J	170	22 U	6.3 J	22 U	6.4 J	22 U	110 U	5,200
Intermediate	MID	12/19/2011	0.22 J	1.6 U	220	1.6 U	2.3	2.5	1.7	10.0	1.8	14	0.77 J	34	1.6 U	0.36 J	1.6 U	7.9 U	1.6 U	7.9 U	290
Effluent	EFF	12/19/2011	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.71 J	1.7 U	0.37 J	0.52 J	1.7 U	8.4 U	1.7 U	8.4 U	1.6
Influent	INF	1/16/2012	6,700	220	340	27 U	18 J	27 U	40	29	27 U	55	27 U	240	7 J	34	8.7 J	15 J	27 U	140 U	7,700
Intermediate	MID	1/16/2012	10	0.31 J	180	1.7 U	1.5 J	1.4 J	1.9	5.9	4.8	36	0.95 J	21	0.35 J	1.3 J	3.9	2 J	4.2	1.2 J	280
Effluent	EFF	1/16/2012	0.71 J	1.7 U	**2.2**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	**4.5**	**2.5**	1 J	1.7 U	0.47 J	0.45 J	1.7 U	8.4 U	1.7 U	8.4 U	12
Influent	INF	2/20/2012	6,500	160	410	5 U	14	5 U	31	22	50 U	54	5 U	260	5 U	5 U	5 U	20 U	15 U	50 U	7,500
Intermediate	MID	2/20/2012	18	12	590	0.5 U	10	6.2	13	26	6.5	72	1.1	210	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	960
Effluent	EFF	2/20/2012	0.5 U	0.5 U	**360**	0.5 U	0.5 U	**0.7**	0.5 U	**0.5**	**8.3**	**130**	**1.7**	**33**	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	530
Influent	INF	3/26/2012	8,700	180	310	0.5 U	15	3.4	27	20	5 U	30	0.8	200	0.6	0.5 U	0.5 U	2 U	1.5 U	5 U	9,500
Intermediate	MID	3/26/2012	0.5 U	0.5 U	280	0.5 U	0.5 U	0.8	0.5 U	1.0	5.3	28	0.9	21	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	340
Effluent	EFF	3/26/2012	**0.7**	0.5 U	**44**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.6**	**36**	**1.8**	1.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	89
Influent	INF	4/23/2012	6,800	140	270	5 U	18	5 U	21	16	50 U	30	5 U	150	5 U	5 U	5 U	20 U	15 U	50 U	7,400
Intermediate	MID	4/23/2012	0.5 U	0.5 U	260	0.5 U	0.5 U	1.1	0.5 U	1.4	5 U	36	0.7	15	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	310
Effluent	EFF	4/23/2012	**0.7**	0.5 U	**140**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	**29**	**0.8**	1.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	170
Influent	INF	5/15/2012	3,800	150	210	10 U	26	10 U	19	15	100 U	25	10 U	150	10 U	10 U	10 U	40 U	30 U	100 U	4,400
Intermediate	MID	5/15/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.7	1.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	0.7
Effluent	EFF	5/15/2012	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	9.5 U	1.9 U	**1.1**	2.8 U	0.95 U	0.95 U	0.95 U	3.8 U	2.8 U	9.5 U	1.1

Table D4
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
GAC Analytical Results

Old Effluent Permit Limit*			4,328	364	2,382	3.9	118	23	2.7	125	8.1	43,625	0.03	1,360	4.8	5.5	0.14	92	10	3,320	
Updated Effluent Permit Limit (Aug'10)*			770	47	61	4.4	4.9	2.4	3.7	30	390	700	200	59	1.1	4.2	2	1200	470	1400	
Updated Effluent Permit Limit (Jun'11)*			92	170	2700	170	170	170	170	34	890	3100	160	3000	52	27	170	870	2100	200	
Sample ID		**Sample Date**	**PCE**	**TCE**	**11DCE**	**VC**	**111TCA**	**11DCA**	**12DCA**	**CF**	**MC**	**Freon11**	**Freon12**	**Freon113**	**BEN**	**TOL**	**XYL**	**CD**	**MEK**	**IP**	Total VOCs[%]
Influent	INF	6/5/2012	6,300	150	240	0.5 U	22	3.0	19	16	5 U	26	0.7	120	0.5	0.5 U	0.5 U	2 U	6	5 U	6,900
Intermediate	MID	6/5/2012	0.5 U	0.5 U	16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	6	0.7	11	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	34
Effluent	EFF	6/5/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	**0.8**	1.5 U	0.5 U	0.5 U	0.5 U	2 U	**2**	5 U	2.6

Notes:

*Permit limits presented in the proposed permit conditions (July, 2010) were updated in August, 2010 and again in June 2011. These limits are based on risk calculations for best available control technology for Toxic (TBACT) limit of 10-in-1-million for cancer.
[%]Total VOC concentration equals the sum of all detected concentration rounded to the nearest two significant figures.
Influent - sample taken at the influent of the lead carbon vessel
Intermediate - sample taken between the lead and the lag vessel
Effluent - sample taken at the effluent of the lag vessel
J = Results is detected as an estimated value above the laboratory detection limit, but below the reporting limit
U = Not detected above reporting limit listed
BOLD = concentrations detected above reporting limits

PCE - Tetrachloroethene
TCE - Trichloroethene
11DCE - 1,1-Dichloroethene
VC - Vinyl Chloride
111TCA - 1,1,1-Trichloroethane
11DCA - 1,1-Dichloroethane
12DCA - 1,2-Dichloroethane
CF - Chloroform

MC - Methylene Chloride
Freon11 - Trichlorofluoromethane
Freon12 - Dichlorodifluoromethane
Freon113 - 1,1,2-Trichloro-1,2,2-trifluoroethane
BEN - Benzene
TOL - Toluene
XYL - o-Xylene
CD - Carbon Dissulfide

MEK - Methyl Ethyl Ketone (2-Butanone)
IP - Isopropanol

Effluent concentrations detected above permit effluent limits*

Table D5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System
System Performance Monitoring - Cumulative Mass Removal

	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[S]**
Date	lb																		
6/9/10	47.8	2.4	3.3	0.0	0.3	0.1	0.0	0.5	0.2	0.5	0.0	3.6	0.0	0.1	0.1	0.1	0.1	0.0	**59**
6/14/10	114.7	5.7	7.9	0.0	0.6	0.2	0.1	1.2	0.5	1.2	0.0	8.7	0.1	0.3	0.3	0.3	0.2	0.1	**142**
6/15/10	202.9	10.1	14.0	0.1	1.1	0.3	0.1	2.3	0.8	2.0	0.1	15.4	0.1	0.5	0.5	0.6	0.3	0.2	**251**
6/16/10	293.5	14.7	20.2	0.1	1.6	0.5	0.2	3.4	1.2	3.0	0.1	22.4	0.2	0.7	0.7	0.9	0.5	0.3	**364**
6/17/10	373.4	18.7	25.7	0.1	2.0	0.6	0.2	4.4	1.5	3.8	0.1	28.7	0.2	0.9	0.8	1.3	0.6	0.4	**463**
6/18/10	458.3	23.0	31.4	0.2	2.5	0.8	0.3	5.5	1.8	4.6	0.2	35.4	0.2	1.1	1.0	1.8	0.7	0.6	**569**
6/19/10	527.5	26.5	36.1	0.2	2.8	0.9	0.3	6.5	2.1	5.3	0.2	41.0	0.3	1.2	1.2	2.2	0.8	0.7	**656**
6/20/10	602.2	30.3	41.1	0.2	3.2	1.1	0.3	7.6	2.4	6.0	0.2	47.0	0.3	1.4	1.3	2.7	0.9	0.9	**749**
6/21/10	659.5	33.2	44.9	0.3	3.6	1.2	0.4	8.5	2.7	6.6	0.2	51.8	0.4	1.6	1.4	3.2	1.0	1.0	**821**
6/21/10	659.5	33.2	44.9	0.3	3.6	1.2	0.4	8.5	2.7	6.6	0.2	51.8	0.4	1.6	1.4	3.2	1.0	1.0	**821**
6/23/10	773.2	39.1	52.4	0.3	4.2	1.4	0.5	10.5	3.2	7.7	0.3	61.4	0.4	1.9	1.7	4.3	1.2	1.4	**965**
6/30/10	1076.7	55.5	70.1	0.4	5.9	2.2	0.9	20.1	4.6	10.4	0.3	93.1	0.7	3.0	2.0	11.8	1.6	4.0	**1363**
7/7/10	1427	73	82	1.2	7.2	2.9	1.6	28	5.6	13	1.8	118	1.0	3.2	3.4	17	2.6	8.2	**1795**
7/9/10	1510	77	85	1.4	7.5	3.0	1.8	30	5.9	13	2.1	124	1.1	3.2	3.8	18	2.8	9.1	**1898**
7/13/10	1510	77	85	1.4	7.5	3.0	1.8	30	5.9	13	2.1	124	1.1	3.2	3.8	18	2.8	9.1	**1898**
7/14/10	1541	78	86	1.5	7.6	3.1	1.8	31	6.0	13	2.2	126	1.1	3.2	3.9	19	2.9	9.4	**1936**
7/20/10	1755	88	94	1.9	8.5	3.5	2.3	36	6.6	15	2.8	142	1.3	3.3	4.5	21	3.4	11	**2200**
7/23/10	1849	93	98	2.0	8.9	3.7	2.5	38	6.8	15	3.0	149	1.4	3.4	4.7	22	3.6	12	**2316**
7/27/10	1947	98	103	2.0	9.4	3.8	2.8	41	7.1	16	3.0	158	1.4	3.4	4.8	22	3.7	12	**2438**
7/28/10	1947	98	103	2.0	9.4	3.8	2.8	41	7.1	16	3.0	158	1.4	3.4	4.8	22	3.7	12	**2438**
8/3/10	1947	98	103	2.0	9.4	3.8	2.8	41	7.1	16	3.0	158	1.4	3.4	4.8	22	3.7	12	**2438**
8/4/10	1967	99	103	2.0	9.5	3.9	2.9	42	7.1	16	3.0	159	1.4	3.4	4.8	22	3.7	12	**2462**
8/6/10	2006	101	105	2.1	9.7	4.0	3.0	43	7.2	16	3.0	163	1.4	3.5	4.8	22	3.8	12	**2511**
8/9/10	2045	103	108	2.1	10.0	4.0	3.1	44	7.4	17	3.1	168	1.5	3.6	4.8	23	3.9	13	**2563**

Table D5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System
System Performance Monitoring - Cumulative Mass Removal

	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[S]**
Date	lb																		
8/9/10	2045	103	108	2.1	10.0	4.0	3.1	44	7.4	17	3.1	168	1.5	3.6	4.8	23	3.9	13	**2563**
8/10/10	2056	103	108	2.1	10.1	4.1	3.1	44	7.4	17	3.1	170	1.5	3.7	4.8	23	4.0	13	**2579**
8/13/10	2090	105	111	2.1	10.3	4.2	3.3	46	7.5	17	3.1	175	1.5	3.9	4.8	23	4.1	13	**2625**
8/17/10	2112	106	112	2.1	10.5	4.2	3.3	46	7.6	18	3.1	178	1.6	4.0	4.9	23	4.2	13	**2655**
8/20/10	2144	108	114	2.1	10.7	4.3	3.4	48	7.7	18	3.1	183	1.6	4.2	4.9	24	4.3	14	**2697**
8/24/10	2186	110	116	2.1	11.1	4.4	3.6	49	7.8	18	3.1	189	1.7	4.5	4.9	24	4.5	14	**2754**
9/1/10	2270	114	121	2.2	11.8	4.6	3.9	52	8.0	19	3.2	200	1.8	5.2	5.0	24	4.7	14	**2866**
9/2/10	2281	115	122	2.2	11.8	4.6	4.0	52	8.1	19	3.2	202	1.9	5.3	5.0	24	4.7	14	**2880**
9/2/10	2281	115	122	2.2	11.8	4.6	4.0	52	8.1	19	3.2	202	1.9	5.3	5.0	24	4.7	14	**2880**
9/8/10	2350	118	125	2.2	12.4	4.8	4.2	54	8.2	20	3.3	211	2.0	5.9	5.0	24	4.9	14	**2970**
9/10/10	2369	119	126	2.2	12.6	4.8	4.3	54	8.3	20	3.3	214	2.1	6.1	5.0	24	4.9	14	**2995**
9/15/10	2419	121	129	2.2	13.0	4.9	4.5	56	8.4	21	3.4	220	2.1	6.4	5.0	24	5.0	14	**3059**
9/22/10	2491	124	132	2.2	13.6	5.1	4.8	57	8.5	21	3.4	229	2.2	6.7	5.1	24	5.1	14	**3151**
9/24/10	2509	125	133	2.2	13.8	5.1	4.9	58	8.5	22	3.4	231	2.2	6.7	5.1	24	5.1	14	**3174**
9/28/10	2552	127	135	2.3	14.1	5.2	5.1	59	8.6	22	3.4	236	2.3	6.8	5.1	24	5.2	14	**3228**
9/29/10	2565	128	136	2.3	14.2	5.2	5.2	59	8.6	22	3.4	237	2.3	6.8	5.1	24	5.2	14	**3245**
10/4/10	2565	128	136	2.3	14.2	5.2	5.2	59	8.6	22	3.4	237	2.3	6.8	5.1	24	5.2	14	**3245**
10/5/10	2565	128	136	2.3	14.2	5.2	5.2	59	8.6	22	3.4	237	2.3	6.8	5.1	24	5.2	14	**3245**
10/6/10	2576	128	136	2.3	14.3	5.2	5.2	59	8.6	22	3.4	239	2.3	6.8	5.1	24	5.2	14	**3258**
10/8/10	2595	129	137	2.3	14.5	5.2	5.3	60	8.6	22	3.4	241	2.3	6.8	5.1	24	5.3	14	**3282**
10/12/10	2616	130	138	2.3	14.7	5.3	5.4	60	8.7	23	3.4	243	2.3	6.8	5.1	25	5.3	14	**3308**
10/15/10	2636	130	139	2.3	14.8	5.3	5.5	60	8.7	23	3.5	246	2.3	6.8	5.1	25	5.3	14	**3333**
10/19/10	2664	132	141	2.3	15.0	5.4	5.7	61	8.7	23	3.5	249	2.3	6.9	5.1	25	5.4	14	**3369**
10/22/10	2688	133	142	2.3	15.2	5.4	5.8	61	8.8	23	3.5	252	2.4	6.9	5.2	25	5.4	15	**3399**
10/26/10	2712	134	143	2.3	15.4	5.4	5.9	62	8.8	24	3.5	255	2.4	6.9	5.2	25	5.5	15	**3429**
10/29/10	2728	134	144	2.3	15.5	5.5	6.0	62	8.8	24	3.5	257	2.4	6.9	5.2	25	5.5	15	**3450**
11/1/10	2743	135	145	2.3	15.6	5.5	6.0	63	8.8	24	3.5	259	2.4	7.0	5.2	25	5.6	15	**3469**

Table D5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System
System Performance Monitoring - Cumulative Mass Removal

	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[$]**
Date	lb																		
11/1/10	2743	135	145	2.3	15.6	5.5	6.0	63	8.8	24	3.5	259	2.4	7.0	5.2	25	5.6	15	**3469**
11/3/10	2749	135	145	2.3	15.7	5.5	6.1	63	8.8	24	3.5	260	2.4	7.0	5.2	25	5.6	15	**3477**
11/5/10	2761	136	146	2.3	15.8	5.5	6.1	63	8.9	24	3.5	262	2.4	7.0	5.2	25	5.6	15	**3494**
11/9/10	2783	137	147	2.3	15.9	5.5	6.2	63	8.9	25	3.5	265	2.4	7.0	5.2	25	5.7	15	**3522**
11/12/10	2796	137	148	2.3	16.0	5.6	6.3	64	8.9	25	3.5	267	2.4	7.1	5.2	25	5.7	15	**3538**
11/16/10	2813	138	149	2.3	16.1	5.6	6.4	64	8.9	25	3.5	269	2.4	7.1	5.2	25	5.8	15	**3560**
11/19/10	2825	138	149	2.3	16.2	5.6	6.4	64	8.9	25	3.5	271	2.4	7.1	5.2	25	5.8	15	**3575**
11/23/10	2843	139	150	2.4	16.3	5.6	6.5	64	9.0	25	3.5	273	2.5	7.1	5.2	25	5.8	15	**3598**
11/26/10	2853	139	151	2.4	16.4	5.6	6.6	65	9.0	25	3.5	274	2.5	7.1	5.3	25	5.9	15	**3610**
12/1/10	2863	140	151	2.4	16.4	5.7	6.6	65	9.0	26	3.5	276	2.5	7.2	5.3	25	5.9	15	**3623**
12/3/10	2863	140	151	2.4	16.4	5.7	6.6	65	9.0	26	3.5	276	2.5	7.2	5.3	25	5.9	15	**3624**
12/10/10	2870	140	152	2.4	16.4	5.7	6.6	65	9.0	26	3.5	276	2.5	7.2	5.3	25	5.9	15	**3632**
12/14/10	2891	141	153	2.4	16.6	5.7	6.7	65	9.2	26	3.5	279	2.5	7.2	5.3	25	5.9	15	**3658**
12/15/10	2891	141	153	2.4	16.6	5.7	6.7	65	9.2	26	3.5	279	2.5	7.2	5.3	25	5.9	15	**3658**
12/17/10	2904	141	154	2.4	16.6	5.7	6.8	65	9.3	26	3.5	281	2.5	7.3	5.3	25	5.9	15	**3676**
12/21/10	2930	142	155	2.4	16.8	5.7	6.9	66	9.6	26	3.5	284	2.5	7.4	5.4	25	6.0	15	**3709**
12/24/10	2946	143	156	2.4	16.8	5.8	7.0	66	9.9	26	3.5	286	2.5	7.5	5.4	25	6.0	15	**3729**
12/28/10	2994	145	159	2.4	17.1	5.8	7.1	66	10.8	27	3.6	291	2.6	7.8	5.5	25	6.1	15	**3790**
12/30/10	3006	145	159	2.4	17.1	5.8	7.2	67	11.1	27	3.6	292	2.6	7.8	5.6	25	6.1	15	**3805**
1/6/11	3096	148	164	2.4	17.6	5.9	7.5	68	13.4	28	3.6	302	2.8	8.5	5.8	25	6.2	15	**3920**
1/12/11	3129	150	166	2.5	17.8	6.0	7.6	68	14.3	29	3.6	306	2.9	8.8	5.9	25	6.3	15	**3962**
1/19/11	3164	151	168	2.5	17.9	6.0	7.7	69	15.2	29	3.6	310	3.0	9.2	6.1	25	6.3	15	**4007**
1/26/11	3192	152	169	2.5	18.0	6.0	7.8	69	15.7	29	3.6	312	3.0	9.5	6.2	25	6.4	15	**4042**
1/27/11	3195	152	169	2.5	18.0	6.0	7.8	69	15.8	29	3.6	313	3.0	9.5	6.2	25	6.4	15	**4046**
2/2/11	3210	153	170	2.5	18.1	6.0	7.9	69	16.0	29	3.6	314	3.1	9.7	6.3	25	6.4	15	**4064**

Table D5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System
System Performance Monitoring - Cumulative Mass Removal

Date	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[$]**
	lb																		
2/8/11	3210	153	170	2.5	18.1	6.0	7.9	69	16.0	29	3.6	314	3.1	9.7	6.3	25	6.4	15	**4064**
2/9/11	3215	153	170	2.5	18.1	6.0	7.9	69	16.1	29	3.6	315	3.1	9.8	6.3	25	6.4	15	**4070**
2/17/11	3260	154	172	2.5	18.3	6.1	8.1	69	16.4	30	3.6	319	3.2	10.4	6.6	25	6.5	15	**4125**
2/23/11	3286	155	173	2.5	18.3	6.1	8.1	70	16.4	30	3.7	321	3.3	10.8	6.7	25	6.5	15	**4157**
2/25/11	3296	155	174	2.5	18.4	6.1	8.2	70	16.4	30	3.7	322	3.3	11.0	6.8	25	6.5	15	**4170**
2/28/11	3309	156	175	2.5	18.4	6.1	8.2	70	16.4	30	3.7	324	3.3	11.2	6.9	25	6.5	15	**4186**
3/7/11	3332	156	177	2.5	18.4	6.1	8.3	70	16.5	31	3.7	329	3.4	11.6	7.0	25	6.6	15	**4219**
3/14/11	3356	157	180	2.5	18.5	6.2	8.4	70	16.5	32	3.7	341	3.4	12.0	7.2	25	6.6	15	**4261**
3/22/11	3356	157	180	2.5	18.5	6.2	8.4	70	16.5	32	3.7	341	3.4	12.0	7.2	25	6.6	15	**4261**
3/23/11	3356	157	180	2.5	18.5	6.2	8.4	70	16.5	32	3.7	341	3.4	12.0	7.2	25	6.6	15	**4261**
4/4/11	3356	157	180	2.5	18.5	6.2	8.4	70	16.5	32	3.7	341	3.4	12.0	7.2	25	6.6	15	**4261**
4/7/11	3362	157	183	2.5	18.5	6.2	8.4	70	16.6	33	3.7	349	3.5	12.1	7.3	25	6.6	15	**4280**
4/11/11	3365	157	184	2.6	18.5	6.3	8.4	70	16.6	34	3.7	356	3.5	12.2	7.3	25	6.6	15	**4292**
4/18/11	3371	157	188	2.6	18.6	6.3	8.4	70	16.7	36	3.7	370	3.5	12.4	7.5	25	6.7	15	**4319**
4/21/11	3371	157	188	2.6	18.6	6.3	8.4	70	16.7	36	3.7	370	3.5	12.4	7.5	25	6.7	15	**4319**
4/26/11	3371	157	188	2.6	18.6	6.3	8.4	70	16.7	36	3.7	370	3.5	12.4	7.5	25	6.7	15	**4319**
4/28/11	3383	158	189	2.6	18.6	6.3	8.5	70	16.7	36	3.7	371	3.5	12.5	7.7	25	6.7	15	**4334**
5/3/11	3422	160	191	2.6	18.7	6.4	8.6	71	16.7	37	3.7	375	3.5	12.8	8.4	25	6.7	15	**4383**
5/5/11	3422	160	191	2.6	18.7	6.4	8.6	71	16.7	37	3.7	375	3.5	12.8	8.4	25	6.7	15	**4383**
5/5/11	3422	160	191	2.6	18.7	6.4	8.6	71	16.7	37	3.7	375	3.5	12.8	8.4	25	6.7	15	**4383**
5/10/11	3463	162	194	2.6	18.9	6.4	8.8	71	16.7	37	3.7	379	3.6	13.1	9.2	25	6.7	15	**4435**
5/16/11	3497	163	195	2.6	19.0	6.4	8.9	71	16.7	37	3.7	382	3.6	13.4	9.8	25	6.8	15	**4478**
5/18/11	3497	163	195	2.6	19.0	6.4	8.9	71	16.7	37	3.7	382	3.6	13.4	9.8	25	6.8	15	**4478**

Table D5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System
System Performance Monitoring - Cumulative Mass Removal

	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[$]**
Date	lb																		
6/3/11	3497	163	195	2.6	19.0	6.4	8.9	71	16.7	37	3.7	382	3.6	13.4	9.8	25	6.8	15	**4478**
6/6/11	3513	164	196	2.6	19.1	6.5	9.0	71	16.7	38	3.7	383	3.6	13.5	10.1	25	6.8	15	**4497**
6/13/11	3538	165	198	2.6	19.3	6.5	9.1	72	16.8	38	3.7	386	3.7	13.7	10.5	25	6.8	15	**4529**
6/20/11	3555	166	199	2.7	19.5	6.5	9.2	72	16.8	38	3.7	388	3.7	13.7	10.7	25	6.8	15	**4552**
6/28/11	3567	167	200	2.7	19.7	6.5	9.2	72	16.8	38	3.7	389	3.7	13.8	10.7	25	6.8	15	**4568**
7/5/11	3588	168	202	2.7	20.0	6.6	9.3	72	16.8	39	3.7	391	3.7	13.8	10.7	25	6.8	15	**4595**
7/11/11	3614	170	204	2.7	20.2	6.6	9.4	72	16.8	39	3.7	393	3.7	13.8	10.7	25	6.8	15	**4626**
7/18/11	3655	171	206	3	20	7	10	73	17	39	4	396	4	14	11	25	7	15	**4675**
7/25/11	3694	173	208	3	21	7	10	73	17	40	4	398	4	14	11	25	7	15	**4721**
8/1/11	3732	174	209	3	21	7	10	73	17	40	4	401	4	14	11	25	7	15	**4765**
8/10/11	3770	175	211	3	21	7	10	73	17	40	4	403	4	14	11	25	7	15	**4809**
8/15/11	3796	176	212	3	21	7	10	73	17	41	4	404	4	14	11	25	7	16	**4840**
8/23/11	3833	177	213	3	22	7	10	74	17	41	4	406	4	14	11	25	7	16	**4882**
8/30/11	3837	177	214	3	22	7	10	74	17	41	4	406	4	14	11	25	7	16	**4887**

Table D5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System
System Performance Monitoring - Cumulative Mass Removal

	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[$]**
Date	lb																		
9/7/11	3837	177	214	3	22	7	10	74	17	41	4	406	4	14	11	25	7	16	**4887**
9/12/11	3853	178	214	3	22	7	10	74	17	41	4	407	4	14	11	25	7	16	**4905**
9/19/11	3877	178	215	3	22	7	11	74	17	41	4	408	4	14	11	25	7	16	**4932**
9/26/11	3901	179	215	3	22	7	11	74	17	41	4	409	4	14	11	25	7	16	**4959**
10/3/11	3925	179	216	3	22	7	11	75	17	41	4	410	4	14	11	25	7	16	**4986**
10/10/11	3947	180	216	3	22	7	11	75	17	41	4	411	4	14	11	25	7	16	**5010**
10/17/11	3972	180	217	3	22	7	11	75	17	41	4	412	4	14	11	25	7	16	**5039**
10/24/11	3998	181	218	3	23	7	11	75	17	42	4	413	4	14	11	25	7	16	**5067**
10/31/11	4024	181	218	3	23	7	11	75	17	42	4	414	4	14	11	25	7	16	**5097**
11/7/11	4052	182	219	3	23	7	11	76	17	42	4	415	4	14	11	25	7	16	**5128**
11/14/11	4078	183	220	3	23	7	11	76	17	42	4	416	4	14	11	25	7	16	**5157**
11/21/11	4102	183	221	3	23	7	11	76	17	42	4	417	4	14	11	25	7	16	**5183**
11/28/11	4123	184	221	3	23	7	12	76	17	42	4	418	4	14	11	25	7	16	**5207**
12/5/11	4143	184	222	3	23	7	12	76	17	42	4	418	4	14	11	25	7	16	**5229**
12/12/11	4161	184	223	2.9	23.0	7.1	11.7	76	17	43	4	419	4	14	11	25	7	16	**5250**
12/17/11	4161	184	223	2.9	23.0	7.1	11.7	76	17.2	43	3.9	419	4.1	14.5	11.3	25	7.2	16	**5250**
12/19/11	4166	185	223	3	23	7	12	76	17	43	4	419	4	14	11	25	7	16	**5255**
12/29/11	4195	185	224	3	23	7	12	76	17	43	4	421	4	15	11	25	7	16	**5288**
1/3/12	4211	186	224	3	23	7	12	76	17	43	4	421	4	15	11	25	7	16	**5305**
1/12/12	4242	186	225	3	23	7	12	76	17	43	4	423	4	15	11	25	7	16	**5341**
1/16/12	4257	187	226	3	23	7	12	76	17	43	4	423	4	15	11	25	7	16	**5357**
1/23/12	4283	187	226	3	23	7	12	76	17	43	4	424	4	15	11	25	7	16	**5387**
1/30/12	4309	188	227	3	23	7	12	77	17	44	4	425	4	15	11	25	7	16	**5416**
2/6/12	4333	189	228	3	23	7	12	77	17	44	4	426	4	15	11	25	7	16	**5443**
2/14/12	4363	189	229	3	23	7	12	77	17	44	4	428	4	15	11	25	7	16	**5476**
2/20/12	4385	190	230	3	23	7	12	77	18	44	4	429	4	15	11	25	7	16	**5501**
2/28/12	4418	190	231	3	24	7	13	77	18	44	4	430	4	15	11	25	7	16	**5538**
2/29/12	4421	190	231	3	24	7	13	77	18	44	4	430	4	15	11	25	7	16	**5541**

Table D5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System
System Performance Monitoring - Cumulative Mass Removal

	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[$]**
Date	lb																		
3/2/12	4421	190	231	3	24	7	13	77	18	44	4	430	4	15	11	25	7	16	**5541**
3/5/12	4433	190	231	3	24	7	13	77	18	44	4	431	4	15	11	25	7	16	**5555**
3/12/12	4465	191	232	3	24	7	13	77	18	45	4	432	4	15	11	25	7	17	**5590**
3/19/12	4500	192	233	3	24	7	13	77	18	45	4	433	4	15	11	25	7	17	**5627**
3/26/12	4534	192	234	3	24	7	13	77	18	45	4	433	4	15	11	25	7	17	**5664**
4/2/12	4565	193	234	3	24	7	13	77	18	45	4	434	4	15	11	25	7	17	**5697**
4/10/12	4599	193	235	3	24	7	13	77	18	45	4	435	4	15	11	25	7	17	**5733**
4/17/12	4622	194	236	3	24	7	13	77	18	45	4	436	4	15	12	25	7	17	**5759**
4/23/12	4647	194	236	3	24	7	13	77	18	45	4	436	4	15	12	25	7	17	**5786**
4/30/12	4668	194	237	3	24	7	13	77	18	45	4	437	4	15	12	26	7	17	**5809**
4/30/12	4668	194	237	3	24	7	13	77	18	45	4	437	4	15	12	26	7	17	**5809**
5/4/12	4668	194	237	3	24	7	13	77	18	45	4	437	4	15	12	26	7	17	**5809**
5/7/12	4677	195	237	3	24	7	13	77	18	45	4	437	4	15	12	26	8	17	**5819**
5/15/12	4686	195	237	3	24	7	13	77	18	45	4	438	4	15	12	26	8	17	**5830**
5/21/12	4703	195	238	3	24	7	13	77	19	45	4	438	4	15	12	26	8	17	**5849**
5/29/12	4729	196	238	3	24	7	13	77	19	46	4	439	4	15	12	26	8	17	**5877**
6/5/12	4746	196	239	3	24	7	13	77	19	46	4	439	4	15	12	26	8	17	**5896**
6/11/12	4769	197	239	3	24	7	13	77	19	46	4	440	4	15	12	26	8	17	**5921**
6/18/12	4795	197	240	3	24	7	13	77	19	46	4	440	4	15	12	26	8	17	**5948**
6/25/12	4822	198	241	3	24	7	13	78	19	46	4	441	4	15	12	26	8	17	**5977**

Note:
[$]Total cumulative mass is calculated mass removal based on individual constituents that has been detected at least once, not based on Total VOC concentration reported in the analytical reports.
Reporting limit is used if selected constituent is non-detect in the sample.

lb = Pound
PCE - Tetrachloroethene
TCE - Trichloroethene
11DCE - 1,1-Dichloroethene
VC - Vinyl Chloride
111TCA - 1,1,1-Trichloroethane
11DCA - 1,1-Dichloroethane
12DCA - 1,2-Dichloroethane
CF - Chloroform
MC - Methylene Chloride
Freon11 - Trichlorofluoromethane
Freon12 - Dichlorodifluoromethane
Freon113 - 1,1,2-Trichloro-1,2,2-trifluoroethane
BEN - Benzene
TOL - Toluene
XYL - o-Xylene
CD - Carbon Dissulfide
MEK - Methyl Ethyl Ketone (2-Butanone)
IP - Isopropanol

Table D6
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
Overall Cumulative Mass Removal

	Start Date	End Date	Hours of Operation (hr)	VOC Mass Removed (lb)
Pilot Test	10/17/2006	12/13/2006	416	415
Extended Pilot Test	6/20/2007	7/20/2007	406	817
ISVE1 Operation (as of 6/25/2012)	6/14/2010	In Operation	15,061	5,977
Cumulative VOC Mass Removed (Pilot Test, Extended Pilot Test, and ISVE Operation)				7,209

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-01M	06/09/10	ORIG	790000	14000	1500 J	27000 U	20000 U	20000 U	69000	19000 U	19000 U	2500 J	20000 U	17000 U	5600	28000	24000 U	10000 J	14000 U	20000 U	18000 U	76000 U	16000 U	660 J	21000 U	21000 U	21000 U	60000 U	86000 U	12000 U	86000 U	920000
	09/08/10	ORIG	150000	22000	1100 U	1100 U	860 J	1100 U	48000	1100 U	1100 U	13000	2200 U	1100 U	2500	4500	1100 U	3300 J	1100 U	1100 U	1100 U	5600 U	190 J	510 J	210 J	780 J	390 J	5600 U	150 J	1100 U	5600 U	250000
	01/12/11	ORIG	550 J	74 J	3.4 U	3.4 U	1.7 J	0.37 J	210 J	3.4 U	3.4 U	54 J	0.92 J	3.6 J	15 J	29 J	0.75 J	25 J	2.7 J	3.4 U	3.4 U	17	2 J	10 J	0.95 J	2.4 J	1.4 J	2.2 J	0.99 J	3.4 U	17 U	1000
	04/11/11	ORIG	9500	1500	58 U	58 U	18 J	58 U	5900	58 U	58 U	320	120 U	58 U	290	370	58 U	100 J	58 U	58 U	58 U	290 U	16 J	15 J	58 U	16 J	6.5 J	290 U	290 U	58 U	290 U	18000
	04/11/11	DUP	24000	3600	150 U	150 U	44 J	150 U	15000	150 U	150 U	790	290 U	150 U	730	930	150 U	330 J	150 U	150 U	150 U	730 U	38 J	140 J	110 J	270	98 J	730 U	730 U	150 U	730 U	46000
	06/30/11	ORIG	1300	57	1 J	7.1 U	7.1 U	4 J	150	8.7	7.1 U	11	14 U	7.1 U	18	34	0.83 J	35	7.1 U	7.1 U	7.1 U	35 U	2.1 J	3.2 J	18	25	8.9	35 U	35 U	7.1 U	19 J	1700
	06/30/11	DUP	690	29	0.7 J	3.2 U	3.2 U	2.6 J	90	3.2 U	3.2 U	6.9	6.4 U	3.2 U	11	21	0.65 J	43	6.9	3.2 U	3.2 U	2.6 J	1.2 J	1.1 J	3.2 U	3.2 U	3.2 U	16 U	1.3 J	3.2 U	5.8 J	910
	09/07/11	ORIG	1300	130	1.7 J	5.6 U	2 J	3.2 J	1200	5.6 U	5.6 U	24	11 U	2.6 J	79	98	5.6 U	600	43	14	5.6 U	8.4 J	2.5 J	2.9 J	0.57 J	5.6 U	0.86 J	12 J	1.6 J	5.6 U	12 J	3500
	12/20/11	ORIG	780	72	2.2 J	4.7 U	4.7 U	4.7 U	730	4.7 U	4.7 U	6.8	9.4 U	4.7 U	64	100	0.95 J	12 J	4.7 U	2.9 J	4.7 U	23 U	1.1 J	5.4	1.6 J	7.2 J	2.4 J	23 U	23 U	4.7 U	8.1 J	1800
	12/20/11	DUP	940	78	2.2 J	5.6 U	0.9 J	1.8 J	770	5.6 U	5.6 U	6.9	11 U	5.6 U	67	100	0.98 J	23 J	5.6 U	5.6 U	5.6 U	28 U	1.2 J	8.2	2.9 J	13 J	4.3 J	28 U	28 U	5.6 U	9.7 J	2000
	03/27/12	ORIG	650	34	1.6	0.5 U	0.5 U	0.64	390	0.8	0.73	2.2	0.5 U	5 U	18	35	0.66	7.2	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	1100
	06/12/12	ORIG	190	4.9	2.5 U	2.5 U	2.5 U	2.5 U	58	2.5 U	2.5 U	2.5 U	2.5 U	25 U	5 U	9.4	2.5 U	16	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	280
VE-01S	06/09/10	ORIG	77000	2100	180 J	2700 U	2000 U	2000 U	20000	1900 U	1900 U	240 J	2000 U	1700 U	2100	5300	2400 U	6100	780	2000 U	1800 U	370 J	77 J	380 J	140 J	260 J	140 J	6000 U	8600 U	1200 U	8800 U	120000
	08/13/10	ORIG	17000 J	2000 J	450 UJ	450 UJ	42 J	15 J	5700 J	330 UJ	13 J	400 J	340 UJ	290 UJ	330 J	460 J	410 UJ	200 J	240 UJ	340 UJ	300 UJ	77 J	11 J	18 J	360 UJ	360 UJ	360 UJ	64 J	1500 UJ	210 UJ	1500 UJ	26000 J
	09/08/10	ORIG	12000	1600	62 U	62 U	35 J	62 U	4500	13 J	62 U	430	120 U	62 U	220	310	62 U	230 J	62 U	62 U	62 U	310 U	16 J	1700	320	140	33 J	310 U	19 J	62 U	310 U	22000
	10/06/10	ORIG	9000	1400	44 U	44 U	26 J	44 U	3500	44 U	44 U	350	88 U	6.4 J	150	230	6.5 J	210 J	44 U	44 U	44 U	19 J	12 J	13 J	44 U	44 U	44 U	12 J	220 U	44 U	220 U	15000
	11/03/10	ORIG	9500	1200	45 U	45 U	27 J	23 J	3500	45 U	8.1 J	350	90 U	8.8 J	330	1000	45 U	81 J	45 U	45 U	45 U	230 U	16 J	17 J	45 U	45 U	45 U	230 U	230 U	45 U	230 U	16000
	12/10/10	ORIG	6800	1300	42 U	42 U	17 J	42 U	3300	42 U	42 U	320	84 U	6.4 J	140	220	42 U	62 J	42 U	42 U	42 U	210 U	6.1 J	12 J	42 U	42 U	8 J	210 U	210 U	42 U	210 U	12000
	01/12/11	ORIG	3400	760	9 J	21 U	7.8 J	5.4 J	1700	21 U	21 U	160	7.9 J	140	98	200	21 U	47 J	21 U	21 U	21 U	9.8 J	10 J	9.4 J	21 U	6.3 J	2.6 J	110 U	7.6 J	21 U	110 U	6600
	02/25/11	ORIG	19	0.24 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.79 J	2 U	0.69 J	2 U	0.75 J	39	2.1	2 U	2 U	9.9 U	1.1 J	3.2	0.44 J	1.6 J	0.51 J	1.1 J	1.6 J	2 U	9.9 U	72
	04/11/11	ORIG	790	210	7.3 U	7.3 U	7.3 U	7.3 U	500	7.3 U	7.3 U	17	15 U	7.3 U	24	35	0.92 J	130	7.5	7.3 U	7.3 U	36 U	2 J	5 J	1.3 J	4.8 J	2.5 J	2.8 J	36 U	7.3 U	36 U	1700
	05/16/11	ORIG	55	13	2 U	2 U	2 U	2 U	25	2 U	2 U	0.67 J	4 U	2 U	1.2 J	1.5 J	0.48 J	12	2 U	2 U	2 U	10 U	0.63 J	0.54 J	2 U	0.52 J	2 U	10 U	10 U	2 U	10 U	110
	06/28/11	ORIG	0.49 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.66 J	23	8.4	2.1 U	2.1 U	11 U	0.54 J	0.76 J	2.1 U	0.63 J	2.1 U	2.4 J	11 U	2.1 U	11 U	37
	07/18/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	7.5	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	1.5 J	0.96 J	0.62 J	44	14	2.2 U	2.2 U	11 U	0.67 J	1 J	2.2 U	2.2 U	2.2 U	2.4 J	0.57 J	2.2 U	11 U	76
	08/30/11	ORIG	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.68 J	2 U	2 U	2 U	0.66 J	15	1.8 J	2 U	2 U	10 U	0.43 J	1.8 J	0.31 J	1.3 J	0.47 J	1.9 J	10 U	2 U	10 U	24
	09/07/11	ORIG	220	40	11 U	11 U	11 U	11 U	180	11 U	11 U	2.3 J	22 U	11 U	7.9 J	9.1 J	11 U	93	11 U	13	11 U	8.2 J	11 U	5.4 J	1.3 J	11	5.8 J	55 U	55 U	11 U	55 U	600
	10/10/11	ORIG	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.73 J	1.9	1.9	1.9	0.65 J	20	1.9	1.9	1.9	9.7	0.57 J	1.7 J	1.9	0.51 J	1.9	9.7	9.7	1.9	9.7	130
	11/07/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1 J	2.1 U	2.1 U	2.1 U	0.73 J	9.5 J	2.1 U	2.1 U	2.1 U	11 U	0.68 J	0.77 J	2.1 U	2.1 U	2.1 U	11 UJ	11 U	2.1 U	11 U	13
	12/19/11	ORIG	0.46 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.87 J	2.1 U	2.1 U	2.1 U	4.2 U	0.88 J	0.98 J	1.8 J	0.67 J	15	3.4	2.1 U	2.1 U	11 U	2.1 U	0.58 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	25
	01/16/12	ORIG	110	25	2.1 U	2.1 U	2.1 U	2.1 U	76	0.74 J	2.1 U	0.53 J	4.2 U	2.1 U	4.1	6.3	0.72 J	26	7.2	2.1 U	2.1 U	11 U	0.55 J	0.99 J	0.2 J	1.2 J	0.47 J	11 U	11 U	2.1 U	11 U	260
	02/20/12	ORIG	24	4.5	0.5 U	0.5 U	0.5 U	0.5 U	26	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1.6	2.8	0.5 U	8	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	67
	03/26/12	ORIG	150	22	0.88 U	0.88 U	0.88 U	0.88 U	89	0.88 U	0.88 U	0.88 U	0.88 U	8.8 U	3.9	9	0.91	5.2	2.6 U	2.6 U	3.5 U	3.5 U	0.88 U	0.88 U	0.88 U	3.5 U	0.88 U	8.8 U	3.5 U	0.88 U	18 U	280
	04/23/12	ORIG	130	16	0.54 U	0.54 U	0.54 U	0.54 U	100	0.54 U	0.54 U	0.57	0.54 U	5.4 U	4.8	10	0.54 U	3.6	1.6 U	1.6 U	2.2 U	2.2 U	0.54 U	0.54 U	0.54 U	2.2 U	0.54 U	5.4 U	2.2 U	0.54 U	11 U	260

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-01S	05/15/12	ORIG	150	21	0.97	0.68 U	0.68 U	0.68 U	130	0.68 U	0.68 U	0.7	0.68 U	6.8 U	7.9	16	0.7	5.2	2.1 U	2.1 U	2.7 U	2.7 U	1.3	1.1	0.68 U	2.7 U	0.68 U	6.8 U	2.7 U	0.68 U	14 U	330
	06/05/12	ORIG	110	11	2.5 U	2.5 U	2.5 U	2.5 U	65	2.5 U	2.5 U	2.5 U	2.5 U	25 U	5 U	7.9	2.5 U	12	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	210
VE-02M	06/09/10	ORIG	18000	270	19 J	540 U	400 U	400 U	1100	390 U	390 U	40 J	410 U	340 U	130	420	490 U	1200 U	290 U	410 U	360 U	1500 U	320 U	7.8 J	430 U	430 U	430 U	1200 U	1700 U	250 U	1800 U	20000
	09/08/10	ORIG	4100	390	21 U	21 U	10 J	21 U	580	21 U	21 U	170	43 U	21 U	30	55	21 U	40 J	21 U	21 U	21 U	18 J	2.3 J	4.1 J	21 U	21 U	21 U	110 U	110 U	21 U	46 J	5400
	01/12/11	ORIG	260	12	1.7 U	1.7 U	1.7 U	1.7 U	11	1.7 U	0.42 J	0.33 J	3.5 U	1.7 U	1 J	1.5 J	0.79 J	12	1.7 U	1.7 U	1.7 U	8.7 U	1 J	0.36 J	1.7 U	1.7 U	1.7 U	8.7 U	8.7 U	1.7 U	68	370
	04/11/11	ORIG	310	25	0.71 J	0.3 J	1.8 U	1.8 U	12	1.8 U	0.62 J	0.45 J	3.7 U	1.8 U	0.67 J	0.76 J	0.85 J	23	4.1	1.8 U	1.8 U	2 J	0.5 J	0.3 J	0.34 J	0.82 J	0.9 J	0.72 J	9.2 U	1.8 U	51	440
	06/30/11	ORIG	50	2.8	1.8 U	1.8 U	1.8 U	1.8 U	2.3	1.8 U	1.8 U	1.8 U	3.5 U	1.8 U	1.8 U	1.8 U	0.59 J	24	3.8	1.8 U	1.8 U	1.5 J	0.48 J	0.38 J	1.8 U	1.8 U	1.8 U	8.9 U	8.9 U	1.8 U	5.3 J	91
	09/07/11	ORIG	27	2	1.8 U	1.8 U	1.8 U	1.8 U	1.6 J	1.8 U	1.8 U	1.8 U	1.3 J	1.8 U	1.8 U	1.8 U	0.7 J	89	7.2	1.8 U	1.8 U	1.7 J	0.62 J	1.1 J	1.8 U	1.8 U	1.8 U	9 U	9 U	1.8 U	9 U	130
	12/20/11	ORIG	24	1.1 J	1.9 U	1.9 U	1.9 U	1.9 U	1.1 J	1.9 U	1.9 U	1.9 U	1.2 J	1.9 U	1.9 U	1.9 U	0.96 J	15	1.9 U	1.9 U	1.9 U	0.97 J	0.74 J	1.9	0.23 J	0.91 J	0.39 J	9.7 U	9.7 U	1.9 U	9.7 U	49
	03/27/12	ORIG	9.1	0.64	0.5 U	0.5 U	0.5 U	0.5 U	0.68	0.5 U	0.5 U	0.5 U	0.64	5 U	1 U	1.5 U	0.58	9.5	1.5 U	1.5 U	2 U	2 U	0.5 U	0.89	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	22
	06/12/12	ORIG	46	2.6	0.5 U	0.5 U	0.5 U	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.54	5 U	1 U	1.5 U	0.51	25	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	77
VE-02S	06/09/10	ORIG	60000	7000	2700 U	2700 U	2000 U	2000 U	33000	300 J	250 J	87 J	2000 U	1700 U	880	730	2500 U	1600 J	1500 U	2000 U	1800 U	140 J	52 J	83 J	2200 U	2200 U	2200 U	6100 U	8700 U	1300 U	8700 U	100000
	09/08/10	ORIG	640	51	5.3 U	5.3 U	5.3 U	5.3 U	27	5.3 U	5.3 U	5.8	11 U	5.3 U	1.6 J	2.6 J	0.83 J	120	27	1.7 J	5.3 U	2.8 J	1.2 J	8.8	3.5 J	5.9	2.1 J	27 U	3.7 J	5.3 U	27 U	910
	01/12/11	ORIG	89	6.4	1.8 U	1.8 U	1.8 U	1.8 U	9.1	1.8 U	1.8 U	2.2	3.5 U	1.8 U	0.53 J	1.4 J	0.6 J	16	2.1	1.8 U	1.8 U	8.9 U	1.1 J	0.25 J	1.8 U	1.8 U	0.46 J	0.8 J	8.9 U	1.8 U	4.8 J	130
	04/11/11	ORIG	220	11	1 J	1.7 U	1.7 U	1.7 U	3.9	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	0.56 J	0.67 J	0.81 J	63	4.3	1.7 U	1.7 U	1.1 J	1.3 J	0.17 J	1.7 U	1.7 U	1.7 U	2 J	8.7 U	1.7 U	2.4 J	310
	06/30/11	ORIG	16	1.4 J	1.8 U	1.8 U	1.8 U	1.8 U	1.3 J	1.8 U	1.8 U	1.8 U	3.5 U	1.8 U	1.8 U	1.8 U	0.63 J	41	9.4	1.8 U	1.8 U	2.3 J	0.57 J	0.42 J	1.8 U	0.43 J	1.8 U	8.9 U	8.9 U	1.8 U	8.9 U	73
	09/07/11	ORIG	17	1.8 J	1.9 U	1.9 U	1.9 U	1.9 U	1.4 J	1.9 U	1.9 U	1.9 U	0.9 J	1.9 U	1.9 U	1.9 U	1.9 U	110	8	1.9 U	1.9 U	7.7 J	0.5 J	0.44 J	1.9 U	1.9 U	1.9 U	9.4 U	9.4 U	1.9 U	9.4 U	150
	12/20/11	ORIG	6.9	0.58 J	1.8 U	1.8 U	1.8 U	1.8 U	0.83 J	1.8 U	1.8 U	1.8 U	3.6 U	1.8 U	1.8 U	1.8 U	1 J	26	1.8 U	1.8 U	1.8 U	1.1 J	0.64 J	0.99 J	1.8 U	0.67 J	0.31 J	4.2 J	9 U	1.8 U	9 U	43
	03/27/12	ORIG	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.59	43	1.5 U	1.5 U	2 U	2 U	0.5 U	0.92	0.5 U	2 U	0.57	5 U	2 U	0.5 U	10 U	49
	06/12/12	ORIG	12	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	5 U	1 U	1.5 U	0.52	29	1.5 U	1.5 U	2 U	2 U	0.5 U	1.3	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	44
VE-03M	06/09/10	ORIG	63000	18000	1600 U	1600 U	210 J	1200 U	14000	1200 U	480	75 J	1200 U	1000 U	1000	930	1400 U	670 J	860 U	1200 U	1100 U	140 J	930 U	41 J	1300 U	1300 U	1300 U	3600 U	5100 U	750 U	5300 U	99000
	09/08/10	ORIG	650	75	4.4 U	4.4 U	4.4 U	4.4 U	22	4.4 U	3 J	1.7 J	1.4 J	4.4 U	0.83 J	2.3 J	0.73 J	38	4.4 U	4.4 U	4.4 U	17 J	0.72 J	1.9 J	4.4 U	4.4 U	4.4 U	22 U	0.62 J	4.4 U	22 U	820
	01/12/11	ORIG	61	7.2	1.8 U	1.8 U	1.8 U	1.8 U	8.4	1.8 U	1.8 U	1.8 U	1 J	1.8 U	1.8	2.9	0.93 J	9.1 J	1.8 U	1.8 U	1.8 U	9.2 U	1.4 J	0.77 J	1.8 U	1.8 U	1.8 U	9.2 U	9.2 U	1.8 U	1.1 J	96
	04/11/11	ORIG	330	30	0.99 J	1.7 U	1.7 U	1.7 U	5.7	1.7 U	0.67 J	0.33 J	1.2 J	1.7 U	0.58 J	0.51 J	0.78 J	68	5.5	1.7 U	1.7 U	2.1 J	1.1 J	0.78 J	0.2 J	0.69 J	0.36 J	7.4 J	0.23 J	1.7 U	8.7 U	460
	06/30/11	ORIG	51	6.4	1.8 U	1.8 U	1.8 U	1.8 U	1.7 J	1.8 U	1.8 U	1.8 U	3.5 U	1.8 U	1.8 U	1.8 U	0.66 J	59	12	1.8 U	1.8 U	1.6 J	0.47 J	0.37 J	1.8 U	1.8 U	1.8 U	8.9 U	8.9 U	1.8 U	8.9 U	130
	09/07/11	ORIG	60	9.2	0.56 J	1.8 U	1.8 U	1.8 U	2.6	1.8 U	1.8 U	1.8 U	0.76 J	1.8 U	1.8 U	0.56 J	1.8 U	130	26	1.8 U	1.8 U	1.8 J	0.4 J	0.36 J	1.8 U	1.8 U	1.8 U	9 U	9 U	1.8 U	9 U	230
	12/20/11	ORIG	60	6.2	1.8 U	1.8 U	1.8 U	1.8 U	1.7 J	1.8 U	1.8 U	1.8 U	0.63 J	1.8 U	1.8 U	1.8 U	1 J	31	1.8 U	1.8 U	1.8 U	1.1 J	0.68 J	1.1 J	1.8 U	0.54 J	1.8 U	9 U	9 U	1.8 U	9 U	100
	03/27/12	ORIG	28	3.3	0.5 U	0.5 U	0.5 U	0.5 U	0.89	0.5 U	0.5 U	0.5 U	0.79	5 U	1 U	1.5 U	0.55	9.1	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	43
	06/12/12	ORIG	40	5.8	0.5 U	0.5 U	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.67	5 U	1 U	1.5 U	0.53	18	2.7	1.5 U	2 U	2 U	0.5 U	0.51	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	74
VE-03S	06/09/10	ORIG	74000	21000	2700 U	2700 U	160 J	2000 U	28000	1900 U	380 J	2400 U	2000 U	1700 U	1400	1200	2400 U	1000 J	1400 U	2000 U	1800 U	7600 U	1600 U	71 J	2100 U	2100 U	2100 U	6000 U	8600 U	1200 U	8600 U	130000
	09/08/10	ORIG	740	63	1.2 J	3.5 U	3.5 U	1.1 J	26	3.5 U	1.4 J	2.5 J	7 U	3.5 U	1.2 J	2.1 J	0.78 J	20	1.9 J	1.5 J	3.5 U	3.9 J	0.81 J	1.9 J	3.5 U	1 J	0.37 J	17 U	0.46 J	3.5 U	17 U	870
	01/12/11	ORIG	78	8.9	1.7 U	1.7 U	1.7 U	1.7 U	4.9	1.7 U	0.31 J	0.21 J	3.4 U	0.27 J	0.55 J	0.33 J	0.66 J	12	1.7 U	1.7 U	1.7 U	1.7 J	0.99 J	0.39 J	1.7 U	1.7 U	1.7 U	8.6 U	8.6 U	1.7 U	1.8 J	110
	04/11/11	ORIG	340	20	5.4	1.8 U	1.8 U	1.8 U	5.3	1.8 U	1.8 U	0.3 J	0.87 J	1.8 U	1.2 J	14	0.77 J	34	14	1.8 U	1.8 U	8.9 U	0.74 J	0.97 J	0.52 J	1.3 J	1.2 J	2.3 J	0.3 J	1.8 U	8.9 U	450

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-03S	06/30/11	ORIG	9.5	1 J	1.7 U	1.7 U	1.7 U	1.7 U	0.55 J	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	0.67 J	16	1.3 J	1.7 U	1.7 U	1.2 J	0.49 J	0.58 J	1.7 U	1.7 U	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	31
	09/07/11	ORIG	7.8	0.73 J	0.24 J	1.8 U	1.8 U	1.8 U	0.32 J	1.8 U	1.8 U	1.8 U	1.1 J	1.8 U	1.8 U	1.8 U	0.69 J	130	28	1.8 U	1.8 U	9 U	0.48 J	0.7 J	1.8 U	1.8 U	1.8 U	9 U	0.47 J	1.8 U	9 U	170
	12/20/11	ORIG	9.6	1 J	1.8 U	1.8 U	1.8 U	1.8 U	0.56 J	1.8 U	1.8 U	1.8 U	0.91 J	1.8 U	1.8 U	1.8 U	0.85 J	12	1.8 U	1.8 U	1.8 U	1.1 J	0.69 J	1.8	1.8 U	0.76 J	0.29 J	9 U	9 U	1.8 U	9 U	30
	03/27/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.68	5 U	1 U	1.5 U	0.56	3	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	4.2
	06/12/12	ORIG	6.6	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.67	5 U	1 U	1.5 U	0.51	27	1.5 U	1.5 U	2 U	2 U	0.5 U	1.5	0.5 U	2 U	0.55	5 U	2 U	0.5 U	10 U	43
VE-04M	06/09/10	ORIG	4000	300	3.8 J	160 U	7.2 J	120 U	930	15 J	24 J	12 J	120 U	100 U	120	180	140 U	210	86 U	120 U	110 U	450 U	3.5 J	6.8 J	130 U	130 U	130 U	360 U	510 U	75 U	510 U	5800
	09/08/10	ORIG	2300	120	12 U	12 U	3.1 J	19	27	6.1 J	5.2 J	26	24 U	2.4 J	1.6 J	2.2 J	1.5 J	59	7.5 J	12 U	12 U	59 U	5.9 J	170	33	17	4.9 J	3.8 J	3.7 J	12 U	59 U	2800
	01/12/11	ORIG	22	6.7	0.52 J	2.4 U	2.4 U	2.4 U	0.71 J	2.9	2.4 U	2.4 U	0.72 J	0.61 J	0.61 J	2.4 U	0.69 J	13	2.4 U	2.4 U	2.4 U	12 U	1.3 J	1.5 J	0.27 J	0.83 J	0.36 J	12 U	12 U	2.4 U	12 U	53
	04/11/11	ORIG	410	22	0.8 J	0.83 J	1.8 U	1.4 J	19	1 J	4.2	1.7 J	1 J	1.8 U	1.4 J	1.2 J	0.75 J	27	4.5	1.8 U	1.8 U	2.3 J	1.7 J	0.3 J	0.29 J	0.67 J	0.69 J	1.3 J	9.2 U	1.8 U	9.2 U	500
	06/30/11	ORIG	2.4	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1 J	1.9 U	1.9 U	1.9 U	0.67 J	28	3.5	1.9 U	1.9 U	1.9 J	0.55 J	0.79 J	1.9 U	0.49 J	1.9 U	9.5 U	9.5 U	1.9 U	9.5 U	39
	09/07/11	ORIG	27	1.9	1.9 U	1.9 U	1.9 U	1.9 U	0.85 J	1.9 U	1.9 U	1.9 U	1.1 J	1.9 U	1.9 U	1.9 U	0.65 J	290	53	1.9 U	1.9 U	3 J	0.66 J	1 J	1.9 U	2	0.58 J	9.4 U	0.95 J	1.9 U	9.4 U	390
	12/20/11	ORIG	42	2.5	1.9 U	1.9 U	1.9 U	1.9 U	2.1	1.9 U	0.41 J	0.41 J	3.7 U	1.9 U	1.9 U	0.48 J	1 J	26	5.9	1.9 U	1.9 U	1.1 J	1.1 J	1.6 J	0.15 J	0.73 J	0.29 J	9.4 U	9.4 U	1.9 U	9.4 U	86
	03/27/12	ORIG	3.5	0.63	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.94	5 U	1 U	1.5 U	0.6	31	1.5 U	1.5 U	2 U	2 U	0.76	2.9	0.5 U	2 U	0.6	5 U	2 U	0.5 U	10 U	41
	06/11/12	ORIG	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.95	5 U	1 U	1.5 U	0.6	43	1.5 U	1.5 U	2 U	2 U	0.94	2.3	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	52
VE-04S	06/09/10	ORIG	96000	7800	110 J	3100 U	200 J	2300 U	29000	470 J	590	340 J	2400 U	2000 U	3600	5600	2800 U	8700	830	930	2100 U	1400 J	100 J	380 J	73 J	2500 U	83 J	640 J	10000 U	1500 U	10000 U	160000
	09/08/10	ORIG	890	44	1 J	7 U	7 U	1.3 J	16	8.7	1.8 J	3.4 J	14 U	7 U	1.2 J	2.2 J	0.65 J	29 J	7 U	7 U	7 U	16 J	1.5 J	5.3 J	0.8 J	4.3 J	1.6 J	35 U	35 U	7 U	50	1100
	01/12/11	ORIG	12	0.81 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.2 J	0.56 J	1.5 J	1.8 U	0.9 J	13	1.8 U	1.8 U	1.8 U	0.6 J	1.2 J	1.6 J	0.18 J	0.62 J	0.29 J	8.9 U	8.9 U	1.8 U	60	94
	04/11/11	ORIG	380	20	2.5	1.7 U	1.7 U	1.7 U	4	7.2	0.61 J	0.33 J	0.5 J	1.7 U	0.57 J	1.1 J	0.72 J	11	1.7 U	1.7 U	1.7 U	1.1 J	0.51 J	0.23 J	1.7 U	1.7 U	1.7 U	0.54 J	8.7 U	1.7 U	110	540
	06/30/11	ORIG	0.37 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	0.65 J	21	2 U	2 U	2 U	10 U	0.42 J	0.84 J	2 U	2 U	2 U	10 U	10 U	2 U	10 U	23
	09/07/11	ORIG	220	9.6	3.2	1.9 U	0.36 J	1.9 U	2	1.5 J	1.9 U	0.36 J	3.7 U	1.9 U	1.9 U	1.5 J	1.9 U	250	43	1.9 U	1.9 U	1.9 J	0.65 J	0.6 J	1.9 U	1.9 U	1.9 U	9.4 U	0.54 J	1.9 U	9.4 U	540
	12/20/11	ORIG	32	1.3 J	0.35 J	1.8 U	1.8 U	1.8 U	1.6 J	1.8 U	1.8 U	0.31 J	3.6 U	1.8 U	0.76 J	9.3	1 J	18	1.8 U	1.8 U	1.8 U	1.1 J	0.56 J	1.4 J	1.8 U	0.65 J	1.8 U	9 U	9 U	1.8 U	190	260
	03/27/12	ORIG	17	1.4	0.57	0.5 U	0.5 U	0.5 U	0.62	0.5 U	0.5 U	0.5 U	0.67	5 U	1 U	1.5 U	0.71	27	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	96	140
	06/11/12	ORIG	31	3.2	0.63	0.5 U	0.5 U	0.5 U	2.3	0.88	0.5 U	0.5 U	1.5	5 U	1 U	1.5 U	0.64	220	2.3	1.5 U	2 U	4.3	0.5 U	2.5	0.5 U	2 U	0.6	5 U	2 U	0.5 U	16	290
VE-05M	06/09/10	ORIG	3000	64	3.4 J	100 U	77 U	77 U	46	76 U	76 U	5.2 J	79 U	66 U	3.3 J	9.4 J	94 U	99	56 U	78 U	69 U	14 J	2.1 J	6.4 J	2.1 J	83 U	2.8 J	230 U	340 U	49 U	340 U	3300
	09/08/10	ORIG	92000	1700	180 J	700 U	91 J	340 J	470 J	700 U	700 U	490 J	1400 U	260 J	700 U	700 U	700 U	8400	1600	700 U	700 U	3500 U	140 J	1200	130 J	270 J	120 J	3500 U	290 J	700 U	3500 U	110000
	09/08/10	DUP	53000	850	85 J	260 U	41 J	170 J	210 J	64 J	260 U	180 J	520 U	85 J	260 U	260 U	260 U	1000 J	150 J	260 U	260 U	1300 U	28 J	260	260 U	260 U	260 U	1300 U	39 J	260 U	1300 U	56000
	01/12/11	ORIG	330000 J	9600 J	580 J	1900 U	290 J	1500 J	15000 J	1900 U	1900 U	2200 J	3700 U	800 J	1200 J	2100 J	1900 U	3300 J	1900 U	1900 U	1900 U	1700 J	670 J	1000 J	1900 U	1900 U	250 J	9400 U	9400 U	1900 U	9400 U	370000
	01/12/11	DUP	90000 J	2700 J	150 J	550 U	550 U	480 J	4500 J	550 U	550 U	570 J	220 J	4300 J	400 J	590 J	550 U	470 J	550 U	550 U	550 U	2800 U	250 J	190 J	550 U	550 U	80 J	2800 U	2800 U	550 U	2800 U	100000
	04/11/11	ORIG	210000	14000	220 J	950 U	470 J	1100	22000	950 U	160 J	3000	1900 U	950 U	1200	1900	950 U	1200 J	950 U	950 U	950 U	4800 U	230 J	210 J	950 U	250 J	100 J	4800 U	4800 U	950 U	4800 U	260000
	04/11/11	DUP	7800	440	6.8 J	40 U	15 J	40	620	40 U	40 U	100	79 U	9.1 J	34 J	58	40 U	110 J	40 U	40 U	40 U	200 U	11 J	27 J	83	110	42	200 U	200 U	40 U	200 U	9500
	06/30/11	ORIG	10	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.81 J	1.8 U	1.8 U	1.8 U	0.66 J	35	2.6	1.8 U	1.8 U	8.9 U	0.4 J	0.9 J	0.24 J	1.1 J	0.36 J	8.9 U	8.9 U	1.8 U	8.9 U	52
	06/30/11	DUP	180	1.2 J	0.42 J	1.8 U	1.8 U	5	1.2 J	1.8 U	1.8 U	4.3	0.97 J	1.9	1.8 U	1.8 U	0.64 J	18	2.2	1.8 U	1.8 U	9.2 U	0.42 J	0.88 J	0.26 J	1.1 J	0.34 J	9.2 U	9.2 U	1.8 U	9.2 U	220
	09/07/11	ORIG	410 J	2.7 J	0.97 J	1.7 U	1.7 U	12 J	1.6 J	1.7 U	1.7 U	2.5 J	1.3 J	4.2 J	1.7 U	1.7 U	0.59 J	210	43	1.7 U	1.7 U	8.4 U	0.57 J	1.1 J	1.7 U	0.46 J	1.7 U	8.4 U	0.66 J	1.7 U	8.4 U	700

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-05M	09/07/11	DUP	890 J	4.6 J	1.5 J	4.3 U	4.3 U	22 J	3 J	4.3 U	4.3 U	4.6 J	1.8 J	7.5 J	4.3 U	4.3 U	0.61 J	230	36	4.3 U	4.3 U	4.7 J	4.3 U	0.91 J	4.3 U	4.3 U	4.3 U	22 U	22 U	4.3 U	22 U	1200
	12/20/11	ORIG	520 J	2.4 J	0.83 J	2.5 U	2.5 U	5.9	2 J	2.5 U	2.5 U	3.2	5 U	7.1	2.5 U	2.5 U	0.62 J	20	2.5 U	2.5 U	2.5 U	12 U	0.65 J	1.1 J	2.5 U	0.92 J	0.46 J	12 U	12 U	2.5 U	12 U	570
	12/20/11	DUP	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	3.7 U	1.9 U	1.9 U	1.9 U	0.55 J	23	1.9 U	1.9 U	1.9 U	9.4 U	0.7 J	1.2 J	1.9 U	0.74 J	0.35 J	9.4 U	9.4 U	1.9 U	9.4 U	27
	03/27/12	ORIG	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.76	5 U	1 U	1.5 U	0.58	5.2	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	7.8
	06/11/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.83	5 U	1 U	1.5 U	0.65	59	1.6	1.5 U	2 U	2 U	0.85	4.5	0.68	2.4	0.9	5 U	2.3	0.5 U	10 U	74
VE-05S	06/09/10	ORIG	330000	18000	1100 J	11000 U	640 J	7900 U	28000	7700 U	1600 J	1700 J	8000 U	6800 U	2300	7000	9600 U	3700 J	5700 U	8000 U	7000 U	30000 U	210 J	340 J	8400 U	8400 U	8400 U	24000 U	34000 U	5000 U	34000 U	390000
	08/10/10	ORIG	44000	3800	120 J	2000 U	260 J	490	2100	1500 U	300 J	1100	1500 U	150 J	110 J	750	34 J	4700	360 J	510	1300 U	1100 J	110 J	290 J	33 J	1600 U	49 J	1300 J	240 J	940 U	6600 U	62000
	09/08/10	ORIG	37000	3300	81 J	220 U	190 J	530	1300	220 U	190 J	870	450 U	97 J	85 J	250	220 U	490 J	240	220 U	220 U	1100 U	55 J	76 J	220 U	220 U	220 U	1100 U	150 J	220 U	1100 U	45000
	10/06/10	ORIG	27000	2400	56 J	120 U	140	510	1100	21 J	140	700	240 U	59 J	72 J	280	120 U	200 J	120 U	120 U	120 U	26 J	46 J	61 J	14 J	58 J	26 J	590 U	590 U	120 U	590 U	33000
	11/03/10	ORIG	13000	1300	18 J	63 U	67	320	520	16 J	58 J	360	130 U	41 J	41 J	70	63 U	53 J	63 U	63 U	63 U	16 J	19 J	8.5 J	63 U	63 U	63 U	320 U	320 U	63 U	320 U	16000
	12/10/10	ORIG	9400	990	14 J	62 U	48 J	270	500	62 U	43 J	290	120 U	30 J	39 J	60 J	62 U	95 J	62 U	62 U	62 U	310 U	16 J	16 J	62 U	62 U	5.8 J	310 U	310 U	62 U	310 U	12000
	01/12/11	ORIG	6200	890	6.8 J	46 U	40 J	270	310	46 U	35 J	220	18 J	350	25 J	35 J	46 U	150 J	46 U	46 U	46 U	230 U	35 J	80	14 J	67	27 J	230 U	24 J	46 U	230 U	8800
	02/25/11	ORIG	430	13	0.87 J	1.9 U	0.39 J	1.9	22	1.9 U	1.9 U	3.2	0.7 J	1.9 U	6.5	22	0.7 J	7.8 J	1.9 U	1.9 U	1.9 U	9.7 U	0.6 J	0.96 J	1.9 U	1.9 U	1.9 U	0.8 J	0.49 J	1.9 U	9.7 U	510
	04/11/11	ORIG	8300	780	10 J	43 U	26 J	200	750	43 U	20 J	160	86 U	15 J	58	130	43 U	220	43 U	43 U	43 U	220 U	14 J	27 J	43 U	23 J	15 J	220 U	220 U	43 U	220 U	11000
	05/16/11	ORIG	2600	480	5.9 J	21 U	15 J	150	600	21 U	7 J	120	42 U	10 J	36	71	21 U	42 J	21 U	21 U	21 U	110 U	7.9 J	6.9 J	4.9 J	14 J	6.5 J	76 J	110 U	21 U	110 U	4300
	06/28/11	ORIG	470	100	0.73 J	0.77 J	0.49 J	32	76	4.3	2.1 U	9.3	4.2 U	2.1 U	1.4 J	2.4	0.66 J	11	2.1	2.1 U	2.1 U	11 U	0.91 J	0.84 J	2.1 U	0.78 J	2.1 U	1.5 J	11 U	2.1 U	11 U	720
	07/18/11	ORIG	1200	260	3 J	6.6 U	4.2 J	88	470	2.3 J	1.5 J	38	13 U	6.6 U	26	43	0.81 J	65	6.6 U	6.6 U	6.6 U	33 U	7.4	4.7 J	6.6 U	1.9 J	6.6 U	33 U	33 U	6.6 U	33 U	2200
	08/30/11	ORIG	1000	240	2.3 J	5.3 U	5.1 J	150	330	3.8 J	2 J	36	11 U	5.4	19	34	0.74 J	31	5.3 U	13	5.3 U	7.9 J	2 J	2 J	0.66 J	2.1 J	1.3 J	15 J	26 U	5.3 U	26 U	1900
	09/07/11	ORIG	1200	280	2.3 J	1.5 J	5 J	200	310	2.5 J	2 J	38	11 U	5.5	13	25	5.3 U	13 J	5.3 U	5.3 U	5.3 U	26 U	1.9 J	5.3 U	5.3 U	5.3 U	5.3 U	4.2 J	26 U	3.5 J	26 U	2100
	10/10/11	ORIG	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	2.1	2.1	2.1	2.1	27	1.6 J	2.1	2.1	11	0.73 J	1.9 J	2.1	0.6 J	2.1	11	0.57 J	2.1	11	150
	11/07/11	ORIG	1.2 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	0.65 J	20	2.2 U	2.2 U	2.2 U	11 U	0.75 J	0.87 J	2.2 U	0.51 J	2.2 U	11 UJ	11 U	2.2 U	11 U	24
	12/19/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.77 J	2.1 U	2.1 U	2.1 U	0.62 J	16	2.6	2.1 U	2.1 U	1.2 J	2.1 U	0.79 J	2.1 U	0.62 J	2.1 U	11 U	11 U	2.1 U	11 U	23
	01/16/12	ORIG	1.3 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.48 J	2.1 U	2.1 U	2.1 U	0.83 J	2.1 U	2.1 U	2.1 U	0.66 J	5.4 J	2.1 U	2.1 U	2.1 U	11 U	0.56 J	0.77 J	2.1 U	0.69 J	2.1 U	11 U	11 U	2.1 U	11 U	11
	02/20/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.56	5 U	1 U	1.5 U	0.64	2 U	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	1.2
	03/26/12	ORIG	420	150	0.58	1.1	1.5	61	270	0.7	0.95	17	0.5 U	5 U	19	24	0.65	5.3	1.5 U	1.5 U	2 U	2 U	0.5	0.7	0.5 U	9.8	4.5	5 U	2 U	0.5 U	10 U	1000
	04/23/12	ORIG	320	96	0.66	1	1.3	53	210	0.78	0.81	14	0.54 U	5.4 U	13	23	0.58	3.4	1.6 U	1.6 U	2.2 U	2.2 U	0.54 U	0.54 U	0.54 U	2.2 U	0.54 U	5.4 U	2.2 U	0.54 U	11 U	740
	05/15/12	ORIG	350	150	2 U	2 U	2 U	58	290	2 U	2 U	15	2 U	20 U	16	29	2 U	8 U	6 U	6 U	8 U	8 U	2 U	2 U	2 U	8 U	2 U	20 U	8 U	2 U	40 U	910
	06/05/12	ORIG	350	120	2.5 U	2.5 U	2.5 U	43	220	2.8	2.5 U	11	2.5 U	25 U	10	21	2.5 U	10 U	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	780
VE-06S	06/09/10	ORIG	1600	740	53 U	5.9 J	7.1 J	39 U	25	39 U	3.1 J	11	40 U	34 U	4.3 J	5.6 J	48 U	100	29 U	40 U	35 U	8.6 J	1.3 J	3.8 J	42 U	42 U	42 U	120 U	170 U	25 U	170 U	2500
	09/08/10	ORIG	940	75	0.93 J	2.7 J	5.4 U	2.1 J	4.6 J	5.4 U	5.4 U	5.3 J	11 U	1.1 J	3.7 J	52	1 J	65	12	5.4 U	5.4 U	2 J	1.4 J	11	1 J	2 J	0.9 J	2.8 J	2.4 J	5.4 U	2.2 J	1200
	01/12/11	ORIG	1100	130	6.9 U	1.5 J	0.75 J	6.9 U	6.9 U	6.9 U	6.9 U	3.7 J	14 U	6.9 U	1.1 J	6.9 U	0.81 J	92	93	6.9 U	6.9 U	5.2 J	2.3 J	2.3 J	6.9 U	6.9 U	0.63 J	2.9 J	34 U	6.9 U	34 U	1400
	04/11/11	ORIG	580	50	5.3 U	2.4 J	5.3 U	5.3 U	0.84 J	5.3 U	5.3 U	2.3 J	11 U	1.7 J	0.93 J	1.3 J	0.75 J	490	820	5.3 U	5.3 U	6.1 J	2.2 J	12	37	47	16	51	27 U	5.3 U	27 U	2100
	05/16/11	ORIG	490	390	0.72 J	0.74 J	5	2.9 U	110	2.9 U	0.61 J	4.1	5.7 U	2.9 U	23	57	0.52 J	31	10	2.9 U	2.9 U	14 U	0.98 J	2.9 U	2.9 U	2.9 U	2.9 U	14 U	14 U	2.9 U	14 U	1100

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-06S	06/28/11	ORIG	320	240	2.1 U	2.1 U	3.2	2.1 U	100	2.1 U	2.1 U	2.7	4.2 U	2.1 U	14	31	0.6 J	23	2 J	2.1 U	2.1 U	11 U	0.76 J	0.49 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	740
	06/30/11	ORIG	1100	690	0.88 J	5.1 U	8.3	5.1 U	290	5.1 U	1.3 J	6.4	10 U	5.1 U	41	110	0.62 J	80	11	5.1 U	5.1 U	25 U	1.6 J	0.69 J	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	25 U	2300
	07/18/11	ORIG	1.1 J	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 J	2.2 U	2.2 U	2.2 U	0.53 J	40	11	2.2 U	2.2 U	11 U	2.1 J	1.4 J	2.2 U	0.58 J	2.2 U	11 U	11 U	2.2 U	11 U	60
	08/30/11	ORIG	0.53 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1 J	2.1 U	2.1 U	2.1 U	0.62 J	21	2.3	2.1 U	2.1 U	11 U	0.43 J	0.97 J	0.3 J	0.55 J	0.4 J	1.9 J	11 U	2.1 U	11 U	31
	09/07/11	ORIG	0.47 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	5.3 U	2.7 U	2.7 U	2.7 U	0.62 J	17	2.7 U	2.7 U	2.7 U	13 U	2.7 U	0.97 J	2.7 U	2.7 U	2.7 U	13 U	13 U	2.7 U	13 U	19
	10/10/11	ORIG	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.75 J	2.1	2.1	2.1	0.56 J	18	2.1	2.1	2.1	11	0.6 J	1.7 J	2.1	0.65 J	2.1	11	11	2.1	11	140
	11/07/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	7.9 J	2.1 U	2.1 U	2.1 U	11 U	0.69 J	1 J	2.1 U	2.1 U	2.1 U	11 UJ	11 U	2.1 U	11 U	9.6
	12/19/11	ORIG	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.68 J	1.7 U	1.7 U	1.7 U	0.6 J	5.1 J	1.7 U	1.7 U	1.7 U	8.4 U	1.7 U	0.44 J	1.7 U	1.7 U	1.7 U	8.4 U	8.4 U	1.7 U	8.4 U	6.8
	01/16/12	ORIG	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U	2 U	0.66 J	17	2 U	2 U	2 U	10 U	0.46 J	0.5 J	2 U	2 U	2 U	10 U	10 U	2 U	10 U	19
	02/20/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.65	29	1.5 U	1.5 U	2 U	2 U	0.77	2.7	0.5 U	2 U	0.52	9.5	2 U	0.5 U	10 U	43
	03/26/12	ORIG	360	140	0.53	1	1.8	0.5 U	130	0.5 U	0.5 U	1.2	0.54	5 U	16	27	0.53	8.4	1.6	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.77	5 U	2 U	0.5 U	10 U	700
	04/23/12	ORIG	350	120	0.5 U	0.84	1.5	0.5 U	120	0.5 U	0.5 U	0.92	0.5 U	5 U	9.9	22	0.5 U	2.7	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	630
	05/15/12	ORIG	330	150	0.68	1.1	1.9	0.5 U	160	0.5 U	0.5 U	1.3	0.5 U	5 U	14	36	0.5 U	3.6	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	700
	06/05/12	ORIG	360	150	2.5 U	2.5 U	2.5 U	2.5 U	130	2.5 U	2.5 U	2.5 U	2.5 U	25 U	11	19	2.5 U	10 U	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	670
VE-07S	06/09/10	ORIG	380000	63000	390 J	11000 U	1300 J	7900 U	93000	7700 U	4100	2200	8000 U	6800 U	9800	42000	9600 U	2400 J	5700 U	8000 U	7000 U	30000 U	330 J	190 J	8400 U	8400 U	8400 U	24000 U	34000 U	5000 U	34000 U	600000
	09/08/10	ORIG	18000	5400	66 J	62 J	35 J	90 U	1900	90 U	69 J	72 J	180 U	90 U	230	1100	90 U	290 J	90 U	90 U	90 U	450 U	19 J	210	75 J	400	150	450 U	21 J	90 U	36 J	28000
	01/12/11	ORIG	14000	3600	97	17 J	12 J	97 U	380	97 U	97 U	39 J	190 U	97 U	63 J	470	97 U	310 J	97 U	97 U	97 U	33 J	50 J	38 J	97 U	97 U	97 U	490 U	490 U	97 U	490 U	19000
	04/11/11	ORIG	5600	1600	22 J	5.3 J	29 U	29 U	250	29 U	8.5 J	15 J	58 U	29 U	35	200	29 U	110 J	29 U	29 U	29 U	150 U	7 J	8 J	29 U	29 U	3.1 J	150 U	150 U	29 U	150 U	7900
	06/30/11	ORIG	570	34	0.33 J	1.3 J	2.6 U	2.6 U	5	2.6 U	0.64 J	2.6 U	5.2 U	2.6 U	2.6 U	3	0.75 J	79	12	2.6 U	2.6 U	13 U	0.7 J	2.6 U	2.6 U	2.6 U	2.6 U	13 U	13 U	2.6 U	5.4 J	710
	09/07/11	ORIG	250	24	1.9	0.41 J	1.8 U	1.8 U	5.5	1.8 U	0.69 J	0.39 J	3.6 U	1.8 U	1.8 U	1.3 J	1.8 U	88	6	1.8 U	1.8 U	2.4 J	0.71 J	0.83 J	1.8 U	1.8 U	1.8 U	9 U	9 U	1.8 U	2.8 J	380
	12/20/11	ORIG	85	5.4	0.51 J	1.7 U	1.7 U	1.7 U	2.5	1.7 U	0.42 J	1.7 U	0.72 J	0.66 J	1.7 U	0.43 J	0.88 J	20	1.7 U	1.7 U	1.7 U	1.2 J	0.78 J	2.1	0.32 J	1.4 J	0.48 J	8.7 U	8.7 U	1.7 U	8.7 U	120
	03/27/12	ORIG	53	6.1	0.5 U	0.5 U	0.5 U	0.5 U	2.3	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.6	19	1.5 U	1.5 U	2 U	2 U	12	0.5 U	3.8	2 U	0.5 U	5 U	2.8	0.5 U	10 U	100
	06/11/12	ORIG	93	21	1.1	0.5 U	0.5 U	0.5 U	4.2	2.4	0.54	0.5 U	0.5 U	5 U	1 U	1.5 U	0.59	40	1.5 U	1.5 U	2 U	2 U	0.5 U	1.2	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	170
VE-08S	06/09/10	ORIG	290000	8800	8600	9300 U	1400 J	1500 J	15000	6700 U	300 J	2400	7000 U	5900 U	2600	41000	8400 U	4200 J	5000 U	7000 U	6100 U	1000 J	310 J	130 J	7400 U	7400 U	7400 U	21000 U	30000 U	4300 U	30000 U	380000
	08/10/10	ORIG	76000	3600	1600	4100 U	230 J	760	1800	3000 U	130 J	770	3100 U	2600 U	550 J	9700	3700 U	7900	680 J	3100 U	500 J	730 J	460 J	9300	190 J	1700	700 J	770 J	950 J	1900 U	13000 U	120000
	09/08/10	ORIG	100000	3600	2100	68 J	200 J	1000	1700	470 U	170 J	760	940 U	230 J	730	11000	470 U	2400	470 U	470 U	470 U	2400 U	100 J	300 J	470 U	470 U	470 U	2400 U	71 J	470 U	2400 U	120000
	10/06/10	ORIG	83000	2800	1700	440 U	140 J	800	1200	440 U	79 J	480	880 U	130 J	540	8500	440 U	920 J	440 U	440 U	440 U	2200 U	84 J	74 J	440 U	440 U	440 U	2200 U	2200 U	440 U	2200 U	100000
	11/03/10	ORIG	67000	2500	950	470 U	92 J	740	1000	250 J	120 J	330 J	940 U	120 J	500	7200	470 U	400 J	470 U	470 U	470 U	140 J	44 J	36 J	470 U	470 U	470 U	2300 U	2300 U	470 U	2300 U	81000
	12/10/10	ORIG	59000	1800	690	430 U	74 J	630	850	430 U	430 U	240 J	860 U	110 J	420 J	6900	430 U	620 J	430 U	430 U	430 U	2200 U	59 J	200 J	58 J	120 J	74 J	2200 U	2200 U	430 U	2200 U	72000
	01/12/11	ORIG	51000	1700	560	410 U	57 J	430	910	410 U	410 U	160 J	150 J	3300	290 J	4400	410 U	1000 J	410 U	410 U	410 U	2100 U	120 J	140 J	410 U	410 U	410 U	2100 U	220 J	410 U	2100 U	64000
	02/25/11	ORIG	42	0.84 J	2 U	2 U	2 U	2 U	0.33 J	2 U	2 U	2 U	0.69 J	2 U	0.72 J	2 U	0.61 J	7.6 J	2 U	2 U	2 U	10 U	0.98 J	2.3	0.37 J	1.4 J	0.52 J	10 U	1.2 J	2 U	10 U	60
	04/11/11	ORIG	3500	190	68	19 U	6.5 J	49	110	19 U	19 U	14 J	37 U	19 U	22	260	19 U	99	19 U	19 U	19 U	94 U	6 J	19	7.3 J	32	12 J	94 U	94 U	19 U	94 U	4400
	05/16/11	ORIG	1500	40	14	10 U	1.3 J	12	22	10 U	10 U	3.5 J	20 U	10 U	5.8 J	100	10 U	42 J	10 U	10 U	10 U	51 U	4.3 J	16	17	33	12	51 U	51 U	10 U	51 U	1800

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-08S	06/28/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.65 J	14	3.5	2.1 U	2.1 U	11 U	0.89 J	2.6	0.45 J	1.6 J	0.57 J	11 U	1.2 J	2.1 U	11 U	25
	07/18/11	ORIG	0.44 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 J	2.5 U	2.5 U	2.5 U	0.58 J	65	18	2.5 U	2.5 U	12 U	3.3	3.1	2.5 U	1.6 J	0.62 J	12 U	12 U	2.5 U	12 U	97
	08/30/11	ORIG	24000	240	510	110 U	13 J	140	100 J	110 U	110 U	39 J	210 U	110 U	110 U	590	110 U	280 J	110 U	88 J	110 U	84 J	110 U	20 J	110 U	110 U	110 U	530 U	530 U	110 U	530 U	26000
	09/07/11	ORIG	13000	120	230	54 U	54 U	72	53 J	54 U	54 U	17 J	110 U	54 U	54 U	230	54 U	120 J	54 U	54 U	54 U	19 J	54 U	140	41 J	270	110	270 U	270 U	54 U	270 U	14000
	10/10/11	ORIG	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	1.7	1.7	1.7	1.7	22	2.8	1.7	1.7	4.8 J	0.9 J	1.8	1.7	0.6 J	0.3 J	1.5 J	0.47 J	1.7	8.7	110
	11/07/11	ORIG	22000	140	92 J	110 U	110 U	93 J	72 J	110 U	110 U	25 J	220 U	110 U	110 U	180	110 U	230 J	110 U	82 J	110 U	550 U	110 U	41 J	19 J	170	76 J	550 UJ	550 U	110 U	550 U	23000
	12/19/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.58 J	21	3.4	2.1 U	2.1 U	11 U	2.1 U	0.49 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	25
	01/16/12	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	0.67 J	6.6 J	2.1 U	2.1 U	2.1 U	10 U	0.46 J	0.7 J	2.1 U	0.48 J	2.1 U	10 U	10 U	2.1 U	10 U	8.9
	02/20/12	ORIG	23000	100	64	10 U	10 U	61	58	10 U	10 U	10 U	10 U	100 U	20 U	91	10 U	40 U	30 U	30 U	40 U	40 U	10 U	10 U	10 U	40 U	10 U	100 U	40 U	10 U	200 U	23000
	03/26/12	ORIG	36000	120	70	10 U	10 U	56	79	10 U	10 U	10 U	10 U	100 U	20 U	96	10 U	40 U	30 U	30 U	40 U	40 U	10 U	10 U	10 U	40 U	10 U	100 U	40 U	10 U	200 U	36000
	04/23/12	ORIG	53000	110	96	10 U	10 U	48	76	10 U	10 U	10 U	10 U	100 U	20 U	110	10 U	40 U	30 U	30 U	40 U	40 U	10 U	10 U	10 U	40 U	10 U	100 U	40 U	10 U	200 U	53000
	05/15/12	ORIG	19000	120	150	20 U	20 U	48	77	20 U	20 U	20 U	20 U	200 U	40 U	230	20 U	80 U	60 U	60 U	80 U	80 U	20 U	20 U	20 U	80 U	20 U	200 U	80 U	20 U	400 U	20000
	06/05/12	ORIG	33000	110	120	20 U	20 U	46	76	20 U	20 U	20 U	20 U	200 U	40 U	100	20 U	80 U	60 U	60 U	80 U	80 U	20 U	20 U	20 U	80 U	20 U	200 U	80 U	20 U	400 U	33000
VE-09S	06/09/10	ORIG	210000	12000	10000 U	10000 U	7700 U	7700 U	24000	7600 U	7600 U	1700 J	7900 U	6600 U	2900	12000	9400 U	4900 J	1200 J	7800 U	6900 U	30000 U	310 J	4500	1100 J	3400	1400 J	23000 U	34000 U	4900 U	34000 U	280000
	08/10/10	ORIG	20000	1500	520 U	520 U	74 J	45 J	3600	26 J	19 J	770	390 U	40 J	510	2100	9.1 J	680	280 U	390 U	340 U	66 J	23 J	58 J	410 U	410 U	410 U	42 J	15 J	240 U	1700 U	30000
	09/08/10	ORIG	11000	720	48 U	48 U	37 J	29 J	2100	16 J	12 J	380	96 U	19 J	330	1400	48 U	120 J	48 U	48 U	48 U	240 U	12 J	38 J	11 J	45 J	18 J	240 U	7.7 J	48 U	240 U	16000
	10/06/10	ORIG	7700	500	34 U	34 U	21 J	19 J	1600	7.4 J	7.9 J	210	67 U	11 J	260	1000	34 U	83 J	34 U	34 U	34 U	170 U	8.1 J	6.6 J	34 U	34 U	34 U	170 U	170 U	34 U	170 U	11000
	11/03/10	ORIG	5900	380	46 U	46 U	15 J	16 J	1500	46 U	7.6 J	150	92 U	46 U	270	1100	46 U	80 J	46 U	46 U	46 U	8 J	7.9 J	18 J	46 U	12 J	5.5 J	230 U	230 U	46 U	230 U	9500
	12/10/10	ORIG	9800	590	60 U	60 U	21 J	25 J	2500	60 U	8.6 J	180	120 U	60 U	470	2000	4.5 J	110 J	60 U	60 U	60 U	300 U	9.5 J	22 J	60 U	60 U	5.6 J	300 U	300 U	60 U	300 U	16000
	01/12/11	ORIG	11000	720	83 U	83 U	83 U	83 U	3200	83 U	83 U	190	31 J	650	600	2700	83 U	280 J	83 U	83 U	83 U	410 U	26 J	32 J	83 U	83 U	83 U	410 U	51 J	83 U	410 U	19000
	02/25/11	ORIG	4700	320	24 U	24 U	9.2 J	6 J	1300	24 U	5.2 J	75	49 U	24 U	510	1100	24 U	62 J	24 U	24 U	24 U	120 U	5.5 J	6.2 J	24 U	6.4 J	3.1 J	120 U	4.6 J	24 U	120 U	8100
	04/11/11	ORIG	1900	140	9.4 U	9.4 U	4 J	2.6 J	600	9.4 U	2.3 J	35	19 U	9.4 U	120	550	1.5 J	150	9.4 U	9.4 U	9.4 U	47 U	3.4 J	6 J	1.4 J	6.4 J	2.9 J	47 U	47 U	9.4 U	47 U	3500
	05/16/11	ORIG	560	44	4 U	4 U	1.5 J	4 U	180	4 U	4 U	13	8.1 U	4 U	35	160	0.76 J	33	4.1	4 U	4 U	20 U	1.6 J	5.5	1.6 J	5.8	2.3 J	20 U	20 U	4 U	20 U	1000
	06/28/11	ORIG	0.24 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.95 J	2.1 U	2.1 U	2.1 U	0.61 J	13	1.9 J	2.1 U	2.1 U	11 U	0.73 J	3	0.33 J	1.4 J	0.47 J	11 U	0.74 J	2.1 U	11 U	23
	07/18/11	ORIG	120	3.9	0.43 J	2.2 U	2.2 U	2.2 U	5.2	2.2 U	2.2 U	0.74 J	4.4 U	2.2 U	0.98 J	3.8	0.62 J	47	9.7	2.2 U	2.2 U	11 U	0.88 J	1 J	2.2 U	2.2 U	2.2 U	2 J	11 U	2.2 U	11 U	200
	08/30/11	ORIG	15	1.2 J	3.4 U	3.4 U	3.4 U	3.4 U	5.1	3.4 U	3.4 U	3.4 U	6.8 U	3.4 U	3.4 U	4.6	0.72 J	25	3.4 U	3.4 U	3.4 U	17 U	3.4 U	1.2 J	3.4 U	3.4 U	3.4 U	17 U	17 U	3.4 U	17 U	53
	09/07/11	ORIG	38	2.8	1.8 U	1.8 U	1.8 U	1.8 U	12	1.8 U	1.8 U	0.91 J	0.62 J	1.8 U	2.5	10	0.52 J	25	1.8 U	1.8 U	1.8 U	9 U	0.43 J	0.88 J	1.8 U	1.8 U	1.8 U	9 U	9 U	1.8 U	9 U	94
	10/10/11	ORIG	120	10	2.1	2.1	0.31 J	2.1	37	2.1	2.1	3.1	4.2	2.1	8.1	33	0.67 J	23	3.2	2.1	2.1	11	0.62 J	1.5 J	2.1	0.48 J	2.1	11	11	2.1	11	350
	11/07/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.84 J	2.2 U	2.2 U	2.2 U	0.76 J	12	2.2 U	2.2 U	2.2 U	11 U	0.53 J	0.5 J	2.2 U	2.2 U	2.2 U	11 UJ	11 U	2.2 U	11 U	15
	12/19/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.61 J	16	2.1 U	2.1 U	2.1 U	11 U	2.1 U	0.49 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	17
	01/16/12	ORIG	1.8 J	2 U	2 U	2 U	2 U	2 U	0.61 J	2 U	2 U	2 U	0.85 J	2 U	2 U	0.7 J	0.63 J	8.4 J	2 U	2 U	2 U	10 U	0.51 J	0.75 J	2 U	2 U	2 U	10 U	10 U	2 U	10 U	14
	02/20/12	ORIG	97	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.61	0.5 U	0.5 U	0.5 U	0.53	5 U	1 U	1.5 U	0.65	14	1.5 U	1.5 U	2 U	2 U	0.5 U	0.58	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	110
	03/26/12	ORIG	1200	78	0.5 U	0.5 U	2.4	2.4	310	0.67	1.5	17	0.5 U	5 U	88	300	1.4	19	2	1.5 U	2 U	2 U	0.53	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	2000
	04/23/12	ORIG	1100	72	0.56 U	0.56 U	2.4	2.2	260	0.67	1.5	16	0.56 U	5.6 U	41	180	0.73	2.7	1.7 U	1.7 U	2.2 U	2.2 U	0.56 U	0.56 U	0.56 U	2.2 U	0.56 U	5.6 U	2.2 U	0.56 U	11 U	1700

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-09S	05/15/12	ORIG	960	66	4 U	4 U	4 U	4 U	220	4 U	4 U	15	4 U	40 U	38	160	4 U	16 U	12 U	12 U	16 U	16 U	4 U	4 U	4 U	16 U	4 U	40 U	240	4 U	80 U	1700
	06/05/12	ORIG	940	65	2.5 U	2.5 U	2.5 U	2.5 U	210	2.5 U	2.5 U	15	2.5 U	25 U	35	150	2.5 U	12	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	1400
VE-10S	06/09/10	ORIG	330000	26000	7400 U	7400 U	630 J	5500 U	19000	270 J	5400 U	9300	5600 U	6900	2300	6700	6700 U	1600 J	4000 U	5600 U	4900 U	1600 J	4300 U	450 J	5900 U	5900 U	230 J	17000 U	24000 U	3500 U	24000 U	400000
	08/13/10	ORIG	49000 J	5600 J	1600 UJ	1600 UJ	270 J	1200 UJ	11000 J	240 J	1200 UJ	7400 J	1200 UJ	1200 J	740 J	1900 J	1400 UJ	560 J	860 UJ	1200 UJ	1100 UJ	100 J	58 J	42 J	1300 UJ	1300 UJ	1300 UJ	3600 UJ	5100 UJ	750 UJ	5100 UJ	78000 J
	09/08/10	ORIG	20000	2300	110 U	110 U	90 J	110 U	5000	82 J	110 U	2700	220 U	300	270	670	110 U	180 J	110 U	110 U	110 U	550 U	32 J	87 J	110 U	110 U	110 U	550 U	63 J	110 U	550 U	32000
	10/06/10	ORIG	11000	1400	56 U	56 U	49 J	56 U	3200	40 J	56 U	1300	110 U	110	160	410	56 U	120 J	56 U	56 U	56 U	5.7 J	15 J	10 J	56 U	56 U	56 U	280 U	280 U	56 U	280 U	18000
	11/03/10	ORIG	14000	1600	88 U	88 U	59 J	23 J	4300	42 J	88 U	1400	180 U	120	210	560	88 U	95 J	88 U	88 U	88 U	19 J	16 J	41 J	30 J	60 J	26 J	440 U	440 U	88 U	440 U	23000
	12/10/10	ORIG	14000	1500	84 U	84 U	55 J	84 U	4400	33 J	84 U	1200	170 U	100	210	510	84 U	130 J	84 U	84 U	84 U	420 U	130	64 J	18 J	38 J	19 J	420 U	420 U	84 U	420 U	22000
	01/12/11	ORIG	8700	990	55 U	55 U	31 J	55 U	3200	21 J	55 U	620	21 J	460	140	340	55 U	94 J	55 U	55 U	55 U	270 U	35 J	100	19 J	79	32 J	270 U	38 J	55 U	270 U	15000
	02/25/11	ORIG	10	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.57 J	2 U	0.45 J	2 U	0.64 J	7.4 J	2 U	2 U	2 U	10 U	0.58 J	0.74 J	2 U	2 U	2 U	10 U	0.49 J	2 U	10 U	21
	04/11/11	ORIG	54	2.9	2.2 U	2.2 U	2.2 U	2.2 U	0.55 J	2.2 U	2.2 U	2.2 U	0.99 J	2.2 U	0.31 J	2.2 U	0.62 J	210	8.8	2.2 U	2.2 U	11 U	0.78 J	1.1 J	0.19 J	0.82 J	0.38 J	1.4 J	0.43 J	2.2 U	11 U	290
	05/16/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.47 J	18	3.5	2.1 U	2.1 U	0.7 J	0.42 J	0.48 J	2.1 U	0.64 J	2.1 U	11 U	11 U	2.1 U	11 U	24
	06/28/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	0.68 J	24	6.9	2.1 U	2.1 U	10 U	0.41 J	0.64 J	2.1 U	2.1 U	2.1 U	1.5 J	10 U	2.1 U	10 U	34
	07/18/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	0.56 J	52	14	2.2 U	2.2 U	11 U	1.3 J	2.5	2.2 U	0.99 J	2.2 U	1.7 J	1.6 J	2.2 U	11 U	78
	08/30/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.61 J	12	2.1 U	2.1 U	2.1 U	11 U	2.1 U	1.1 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	14
	09/07/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1 J	2.2 U	2.2 U	2.2 U	0.63 J	45	2.9	2.2 U	2.2 U	11 U	0.59 J	1.4 J	2.2 U	0.59 J	2.2 U	1.8 J	11 U	2.2 U	11 U	54
	10/10/11	ORIG	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.3 J	2.1	2.1	2.1	2.1	42	2.2	2.1	2.1	11	0.85 J	2.6	2.1	0.92 J	2.1	11	11	2.1	11	170
	11/07/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	13	2.2 U	2.2 U	2.2 U	11 U	0.67 J	0.47 J	2.2 U	2.2 U	2.2 U	11 UJ	11 U	2.2 U	11 U	14
	12/19/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.4 J	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.64 J	9.1 J	2.1 U	2.1 U	2.1 U	11 U	2.1 U	0.52 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	12
	01/16/12	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.96 J	2.2 U	2.2 U	2.2 U	0.59 J	15	2.2 U	2.2 U	2.2 U	11 U	1.1 J	4	0.62 J	3.8	1.6 J	11 U	11 U	2.2 U	11 U	28
	02/20/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.5 U	4	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	4
	03/26/12	ORIG	810	66	0.5 U	0.5 U	1.3	0.5 U	270	0.66	0.5 U	11	0.5 U	5 U	15	39	1.5	3.5	1.5 U	1.5 U	2 U	2 U	0.84	0.5 U	2.8	3.4	0.5 U	5 U	2 U	0.5 U	10 U	1200
	04/23/12	ORIG	1200	93	0.54 U	0.54 U	1.8	0.54 U	380	0.92	0.54 U	11	0.54 U	5.4 U	11	55	0.71	4	1.6 U	1.6 U	2.2 U	2.2 U	0.58	0.54 U	0.54 U	2.2 U	0.54 U	5.4 U	2.2 U	0.54 U	11 U	1800
	05/15/12	ORIG	1000	89	2.5 U	2.5 U	2.5 U	2.5 U	370	2.5 U	2.5 U	11	2.5 U	25 U	17	64	2.5 U	10 U	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	1600
	06/05/12	ORIG	640	57	2.5 U	2.5 U	2.5 U	2.5 U	230	2.5 U	2.5 U	7.3	2.5 U	25 U	11	40	2.5 U	16	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	1000
VE-11S	06/09/10	ORIG	190000	16000	6200 U	6200 U	640 J	4600 U	16000	4500 U	4500 U	3500	4700 U	4000 U	2700	12000	5700 U	2100 J	3400 U	4700 U	4100 U	18000 U	170 J	4300 U	5000 U	5000 U	5000 U	14000 U	20000 U	2900 U	21000 U	240000
	08/10/10	ORIG	51000	3300	87 J	2000 U	330 J	1500 U	3800	240 J	1500 U	4100	1500 U	210 J	890	11000	30 J	5300	510	500	48 J	380 J	180 J	520	91 J	640	340 J	450 J	370 J	940 U	6500 U	84000
	09/08/10	ORIG	51000	2500	90 J	27 J	250 J	110 J	3100	170 J	270 U	3700	540 U	190 J	840	9300	270 U	980 J	270 U	270 U	270 U	98 J	73 J	140 J	54 J	73 J	27 J	1300 U	68 J	270 U	1300 U	73000
	10/06/10	ORIG	32000	1400	53 J	20 J	140 J	89 J	2100	84 J	160 U	1900	320 U	120 J	530	5700	160 U	360 J	160 U	160 U	160 U	260 J	44 J	53 J	160 U	45 J	18 J	800 U	800 U	160 U	800 U	45000
	11/03/10	ORIG	28000	1100	61 J	190 U	98 J	120 J	1900	51 J	190 U	1300	390 U	83 J	480	4800	190 U	320 J	190 U	190 U	190 U	970 U	29 J	32 J	190 U	190 U	190 U	970 U	970 U	190 U	970 U	38000
	12/10/10	ORIG	34000	1000	110 J	250 U	88 J	130 J	2200	250 U	250 U	1100	510 U	250 U	540	4900	250 U	270 J	250 U	250 U	250 U	100 J	27 J	34 J	250 U	250 U	250 U	1300 U	1300 U	250 U	1300 U	44000
	01/12/11	ORIG	32000	1800	150 J	300 U	300 U	84 J	2000	300 U	300 U	740	120 J	2500	470	3600	300 U	670 J	300 U	300 U	300 U	240 J	110 J	83 J	300 U	300 U	300 U	1500 U	100 J	300 U	1500 U	45000
	02/25/11	ORIG	12000	210	32 J	65 U	65 U	65 U	480	65 U	65 U	91	130 U	65 U	210	720	65 U	130 J	65 U	65 U	65 U	320 U	9.1 J	27 J	65 U	17 J	8.8 J	320 U	9.7 J	65 U	320 U	14000

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-11S	04/11/11	ORIG	45000	1300	110 J	250 U	59 J	250 U	3900	250 U	250 U	500	510 U	250 U	710	4700	250 U	600 J	250 U	250 U	250 U	1300 U	57 J	93 J	47 J	160 J	66 J	1300 U	68 J	250 U	1300 U	57000
	05/16/11	ORIG	6800	300	9.3 J	42 U	12 J	25 J	830	42 U	42 U	110	84 U	42 U	130	610	42 U	130 J	42 U	42 U	42 U	210 U	8.8 J	17 J	6 J	28 J	13 J	210 U	210 U	42 U	210 U	9000
	06/28/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	0.65 J	14	2.1 U	2.1 U	2.1 U	10 U	0.54 J	1.5 J	0.23 J	0.93 J	0.34 J	10 U	10 U	2.1 U	10 U	18
	07/18/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	0.55 J	40	12	2.2 U	2.2 U	11 U	0.7 J	1 J	2.2 U	2.2 U	2.2 U	1.9 J	11 U	2.2 U	11 U	58
	08/30/11	ORIG	1 J	2 U	2 U	2 U	2 U	2 U	0.28 J	2 U	2 U	2 U	0.95 J	2 U	2 U	2 U	0.67 J	30	3.1	2 U	2 U	3.1 J	0.51 J	1 J	2 U	2 U	2 U	1.5 J	10 U	2 U	10 U	42
	09/07/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	30	2.1 J	2.2 U	2.2 U	11 U	0.51 J	1.1 J	2.2 U	2.2 U	2.2 U	11 U	11 U	2.2 U	11 U	34
	10/10/11	ORIG	2800	240	2 J	15	8.1 J	39	460	15	15	86	29	10 J	76	270	15	65 J	15	15	15	74	2.9 J	3.3 J	2.3 J	6 J	2.7 J	74	74	15	74	4800
	11/07/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	0.69 J	6.1 J	2.2 U	2.2 U	2.2 U	11 U	0.44 J	0.44 J	2.2 U	2.2 U	2.2 U	11 UJ	11 U	2.2 U	11 U	7.7
	12/19/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.62 J	14	3.1	2.1 U	2.1 U	11 U	2.1 U	0.54 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	18
	01/16/12	ORIG	260	30	2.1 U	0.61 J	1 J	3.7	64	2.1 U	2.1 U	9.5	4.1 U	1.4 J	11	46	0.72 J	14	2.1 U	2.1 U	2.1 U	10 U	0.55 J	0.6 J	2.1 U	2.1 U	2.1 U	10 U	10 U	2.1 U	10 U	440
	02/20/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.74	5 U	1 U	1.5 U	0.63	11	1.5 U	1.5 U	2 U	2 U	0.5 U	0.53	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	13
	03/26/12	ORIG	4700	350	5 U	6.3	8.9	30	700	5 U	5 U	78	5 U	50 U	110	550	5 U	20 U	15 U	15 U	20 U	20 U	5 U	5 U	5 U	20 U	5 U	50 U	20 U	5 U	100 U	6500
	04/23/12	ORIG	2900	340	1.3	7.2	10	33	850	2.4	2.3	78	0.55 U	13	120	550	1.1	5.1	1.6 U	1.6 U	2.2 U	2.2 U	1.3	0.55 U	0.55 U	2.2 U	0.55 U	5.5 U	2.2 U	0.55 U	11 U	4900
	05/15/12	ORIG	1600	190	2.5 U	2.7	3.7	15	400	2.5 U	2.5 U	39	2.5 U	25 U	68	260	2.5 U	10 U	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	2600
	06/05/12	ORIG	2800	410	5 U	5.2	7.8	28	690	5 U	5 U	71	5 U	50 U	110	410	5 U	20 U	15 U	15 U	20 U	20 U	5 U	5 U	5 U	20 U	5 U	50 U	20 U	5 U	100 U	4500
VE-12S	06/09/10	ORIG	160000	9100	5200 U	5200 U	3900 U	3900 U	59000	3800 U	3800 U	280 J	3900 U	3300 U	5900	18000	4700 U	2700 J	2800 U	460 J	3400 U	1400 J	3000 U	210 J	250 J	500 J	260 J	12000 U	17000 U	2400 U	17000 U	260000
	08/13/10	ORIG	19000 J	1700 J	530 UJ	530 UJ	46 J	390 UJ	5700 J	23 J	390 UJ	320 J	400 UJ	340 UJ	330 J	640 J	480 UJ	130 J	290 UJ	400 UJ	350 UJ	38 J	73 J	92 J	420 UJ	42 J	18 J	27 J	1700 UJ	250 UJ	1700 UJ	28000 J
	09/08/10	ORIG	15000	1200	88 U	88 U	40 J	88 U	5000	73 J	88 U	230	180 U	88 U	400	1100	88 U	240 J	88 U	88 U	88 U	440 U	940	4300	270	700	110	440 U	6200	88 U	440 U	36000
	10/06/10	ORIG	14000	1100	67 U	67 U	25 J	67 U	4400	20 J	67 U	170	130 U	10 J	390	1200	67 U	140 J	67 U	67 U	67 U	330 U	15 J	22 J	8.5 J	38 J	38 J	330 U	330 U	67 U	330 U	22000
	11/03/10	ORIG	9900	700	9.2 J	75 U	75 U	75 U	3300	75 U	75 U	120	150 U	75 U	310	1000	6.6 J	200 J	75 U	75 U	75 U	43 J	12 J	23 J	75 U	75 U	75 U	370 U	370 U	75 U	370 U	16000
	12/10/10	ORIG	10000	630	9 J	69 U	15 J	69 U	2900	69 U	69 U	120	140 U	69 U	250	810	12 J	260 J	69 U	69 U	69 U	340 U	20 J	33 J	69 U	69 U	69 U	23 J	340 U	69 U	340 U	15000
	01/12/11	ORIG	6000	390	55 U	55 U	7.8 J	55 U	1600	55 U	55 U	80	29 J	240	180	630	14 J	990	55 U	55 U	55 U	270 U	36 J	86	55 U	22 J	8.8 J	270 U	1000	55 U	270 U	11000
	02/25/11	ORIG	22	0.31 J	2 U	2 U	2 U	2 U	0.63 J	2 U	2 U	2 U	0.55 J	2 U	0.78 J	0.86 J	0.61 J	15	2 U	2 U	2 U	10 U	0.51 J	0.73 J	2 U	2 U	2 U	0.85 J	0.42 J	2 U	10 U	43
	04/11/11	ORIG	2500	180	13 U	13 U	5.6 J	13 U	820	13 U	13 U	49	26 U	13 U	97	450	2 J	66	9.5 J	13 U	13 U	65 U	100	500	66	250	120	3.5 J	360	13 U	65 U	5600
	05/16/11	ORIG	840	70	6.3 U	6.3 U	2.5 J	6.3 U	320	6.3 U	6.3 U	20	13 U	6.3 U	63	320	1.2 J	58	8.3	6.3 U	6.3 U	32 U	5.1 J	45	26	67	33	32 U	3.2 J	6.3 U	32 U	1900
	06/28/11	ORIG	0.7 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	0.7 J	20	2.1	2.1 U	2.1 U	10 U	0.48 J	0.66 J	2.1 U	2.1 U	2.1 U	10 U	10 U	2.1 U	10 U	25
	07/18/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.3 J	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	0.55 J	43	13	2.2 U	2.2 U	11 U	0.91 J	2.2	0.36 J	1.2 J	0.56 J	11 U	0.99 J	2.2 U	11 U	64
	08/30/11	ORIG	0.97 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.76 J	2.1 U	2.1 U	2.1 U	0.64 J	40	7.6	2.1 U	2.1 U	11 U	2.1 U	1.1 J	2.1 U	2.1 U	2.1 U	2 J	11 U	2.1 U	11 U	53
	09/07/11	ORIG	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	0.59 J	17	1.7 U	1.7 U	1.7 U	8.4 U	0.48 J	0.97 J	1.7 U	1.7 U	1.7 U	1.4 J	8.4 U	1.7 U	8.4 U	20
	10/10/11	ORIG	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	2.1	2.1	2.1	0.76 J	14	2.1	2.1	2.1	11	0.57 J	1.5 J	2.1	2.1	2.1	11	11	2.1	11	140
	11/07/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.3 U	2.2 U	2.2 U	2.2 U	0.76 J	11	2.2 U	2.2 U	2.2 U	11 U	2.2 U	0.4 J	2.2 U	2.2 U	2.2 U	11 UJ	11 U	2.2 U	11 U	12
	12/19/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.64 J	15	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	16
	01/16/12	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.76 J	2.1 U	2.1 U	2.1 U	0.67 J	13	2.1 U	2.1 U	2.1 U	10 U	0.91 J	2.2	0.46 J	2.3	0.92 J	10 U	10 U	2.1 U	10 U	21
	02/20/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.98	5 U	1 U	1.5 U	0.62	16	1.5 U	1.5 U	2 U	2 U	0.5 U	0.52	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	18

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-12S	03/26/12	ORIG	430	28	0.5 U	0.5 U	0.74	0.76	96	0.5 U	0.5 U	7.3	0.5 U	5 U	46	210	1.2	7.7	1.5 U	1.5 U	2 U	2 U	0.5 U	0.51	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	830
	04/23/12	ORIG	480	26	0.54 U	0.54 U	0.65	0.73	100	0.54 U	0.54 U	5.7	0.54 U	5.4 U	39	270	1.2	23	1.6 U	1.6 U	2.2 U	2.2 U	0.54 U	0.54 U	0.54 U	2.2 U	0.54 U	5.4 U	2.2 U	0.54 U	11 U	950
	05/15/12	ORIG	230	15	1 U	1 U	1 U	1 U	62	1 U	1 U	3	1 U	10 U	28	180	1.1	5.4	3 U	3 U	4 U	4 U	1 U	1 U	1 U	4 U	1 U	10 U	4 U	1 U	20 U	520
	06/05/12	ORIG	350	16	2.5 U	2.5 U	2.5 U	2.5 U	82	2.5 U	2.5 U	3.8	2.5 U	25 U	34	220	2.5 U	10 U	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	710
VE-14S	02/02/11	ORIG	62	0.93 J	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.61 J	4.6 U	2.3 U	2.2 J	5.5	0.76 J	49	82	2.3 U	2.3 U	12	0.39 J	0.2 J	2.3 U	2.3 U	2.3 U	2.1 J	11 U	2.3 U	11 U	220
	04/11/11	ORIG	22	0.68 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.54 J	3.4 U	1.7 U	1.3 J	3.3	0.66 J	24	22	1.7 U	1.7 U	1.6 J	0.23 J	0.15 J	1.7 U	1.7 U	1.7 U	0.55 J	8.6 U	1.7 U	8.6 U	77
	05/16/11	ORIG	20	11	2.1 U	2.1 U	2.1 U	2.1 U	2 J	2.1 U	2.1 U	0.45 J	4.2 U	2.1 U	2.4	2.1	0.56 J	42	12	2.1 U	2.1 U	11 U	2.1 U	0.34 J	0.21 J	0.88 J	0.29 J	11 U	11 U	2.1 U	11 U	94
	06/28/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.3 U	2.2 U	2.2 U	2.2 U	0.72 J	12	2.2 U	2.2 U	2.2 U	11 U	0.5 J	0.7 J	2.2 U	2.2 U	2.2 U	11 U	11 U	2.2 U	11 U	14
	07/18/11	ORIG	6.7	5.7	2.2 U	2.2 U	2.2 U	2.2 U	0.52 J	2.2 U	2.2 U	2.2 U	4.3 U	2.2 U	1 J	1.2 J	0.67 J	68	17	2.2 U	2.2 U	11 U	1.4 J	0.7 J	2.2 U	0.84 J	0.3 J	11 U	11 U	2.2 U	11 U	110
	08/30/11	ORIG	5.1	4	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.76 J	2.2 U	1 J	1.3 J	0.64 J	40	2.1 J	2.2 U	2.2 U	11 U	0.5 J	1.1 J	0.42 J	0.73 J	0.43 J	11 U	11 U	2.2 U	11 U	59
	09/07/11	ORIG	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	15	2.2 U	2.2 U	2.2 U	11 U	2.2 U	0.78 J	2.2 U	2.2 U	2.2 U	11 U	11 U	2.2 U	11 U	16
	10/10/11	ORIG	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.96 J	2.1	2.1	2.1	2.1	21	4.3	2.1	2.1	11	0.59 J	1.8 J	2.1	0.72 J	2.1	11	11	2.1	11	150
	11/07/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	23	2.1 U	2.1 U	2.1 U	11 U	0.88 J	1 J	2.1 U	0.51 J	2.1 U	11 UJ	0.57 J	2.1 U	11 U	26
	12/19/11	ORIG	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.62 J	17	3.9	2.1 U	2.1 U	11 U	2.1 U	0.59 J	2.1 U	0.66 J	2.1 U	11 U	11 U	2.1 U	11 U	23
	01/16/12	ORIG	3.5	2.2	0.91 J	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	0.91 J	2.1 U	1.4 J	2.4	0.71 J	14	3.8	2.1 U	3.3	11 U	7	39	6	45	16	11 U	11 U	2.1 U	11 U	150
	02/20/12	ORIG	3.1	1.7	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1.9	3.2	0.6	9.9	1.5 U	1.5 U	2 U	2 U	2.6	0.65	0.91	2 U	0.5 U	5 U	2 U	0.5 U	10 U	26
	03/26/12	ORIG	16	2.8	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	2.1	2.8	0.62	6.5	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	32
	04/23/12	ORIG	7	15	0.77	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	5.6 U	2.4	4.2	0.64	9.3	1.7 U	1.7 U	2.2 U	2.2 U	0.56 U	0.56 U	0.56 U	2.2 U	0.56 U	5.6 U	2.2 U	0.56 U	11 U	39
	05/15/12	ORIG	6.9	2.5	0.94	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.65	0.59 U	5.9 U	3.3	5	0.62	6.6	1.8 U	1.8 U	2.4 U	2.4 U	0.59 U	0.59 U	0.59 U	2.4 U	0.59 U	5.9 U	2.4 U	0.59 U	12 U	27
	06/05/12	ORIG	5.3	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.53	0.5 U	0.5 U	0.5 U	0.5 U	5 U	2	3	0.5 U	5.4	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	18
VE-15S	01/27/11	ORIG	410	120	2.5 U	2.5 U	2.5 U	2.5 U	9.1	2.5 U	2.5 U	1.9 J	4.9 U	0.42 J	4.7	7.4	0.89 J	5.8 J	2.5 U	2.5 U	0.33 J	12 U	1.2 J	0.2 J	2.5 U	2.5 U	2.5 U	12 U	0.62 J	2.5 U	12 U	560
	04/12/11	ORIG	57	7.6	2 U	2 U	2 U	2 U	0.45 J	2 U	2 U	2 U	0.78 J	2 U	1.5 J	1.8 J	0.68 J	36	62	2 U	2 U	2.5 J	0.68 J	0.36 J	2 U	2 U	0.25 J	0.95 J	10 U	0.66 J	10 U	170
	05/16/11	ORIG	230	200	2 U	2 U	2 U	1.2 J	140	2 U	2 U	1.7 J	4 U	2 U	18	28	0.54 J	21	4.1	2 U	2 U	10 U	0.62 J	0.32 J	2 U	0.77 J	0.28 J	10 U	10 U	2 U	10 U	650
	06/28/11	ORIG	110	98	2.1 U	2.1 U	2.1 U	2.1 U	65	2.1 U	2.1 U	0.97 J	4.2 U	2.1 U	6.4	9.8	0.74 J	19	3.6	2.1 U	2.1 U	11 U	0.57 J	0.41 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	310
	07/18/11	ORIG	140	110	2.2 U	2.2 U	2.2 U	1.5 J	87	2.2 U	2.2 U	1.4 J	4.3 U	2.2 U	8.8	13	0.67 J	74	16	2.2 U	2.2 U	11 U	2.4	1.5 J	2.2 U	0.84 J	0.31 J	3.4 J	11 U	2.2 U	11 U	460
	08/30/11	ORIG	200	180	2.1 U	2.1 U	2.1 U	1.9 J	120	2.1 U	2.1 U	1.3 J	4.2 U	2.1 U	14	19	0.75 J	18	2.1 U	2.1 U	2.1 U	11 U	0.54 J	0.44 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	560
	09/07/11	ORIG	32	28	2.2 U	2.2 U	2.2 U	2.2 U	15	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U	1.9 J	2.3	0.6 J	42	3.1	2.2 U	2.2 U	11 U	2.2 U	0.87 J	2.2 U	2.2 U	2.2 U	11 U	11 U	2.2 U	11 U	130
	10/10/11	ORIG	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.86 J	2.1	2.1	2.1	2.1	17	2.1	2.1	2.1	11	0.51 J	1.4 J	2.1	0.5 J	2.1	11	11	2.1	11	140
	11/07/11	ORIG	140	120	2.1 U	2.1 U	2.1 U	1 J	51	2.1 U	2.1 U	0.87 J	4.2 U	2.1 U	6.9	9.6	2.1 U	11	2.1 U	2.1 U	2.1 U	11 U	0.68 J	0.52 J	2.1 U	0.54 J	2.1 U	11 UJ	11 U	2.1 U	11 U	340
	12/19/11	ORIG	57	56	2.1 U	2.1 U	2.1 U	2.1 U	24	2.1 U	2.1 U	0.48 J	4.2 U	2.1 U	3.6	5.1	0.69 J	20	4.9	2.1 U	2.1 U	11 U	2.1 U	0.38 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	11 U	170
	01/16/12	ORIG	49	44	2 U	2 U	2 U	2 U	22	2 U	2 U	0.41 J	4 U	2 U	3.1	4.9	0.64 J	16	2 U	2 U	2 U	10 U	0.74 J	2.7	0.53 J	3.3	1.3 J	10 U	10 U	2 U	10 U	150
	02/20/12	ORIG	0.5 U	0.56	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.92	5 U	1 U	1.5 U	0.7	20	1.5 U	1.5 U	2 U	2 U	1	1.3	0.77	2 U	0.5 U	5 U	2 U	0.5 U	10 U	25
	03/26/12	ORIG	48	35	1.6 U	1.6 U	1.6 U	1.6 U	25	1.6 U	1.6 U	1.6 U	1.6 U	16 U	4	6.4	1.6 U	7.6	4.8 U	4.8 U	6.4 U	6.4 U	1.6 U	1.6 U	1.6 U	6.4 U	1.6 U	16 U	6.4 U	1.6 U	32 U	130

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VE-15S	04/23/12	ORIG	53	31	0.55 U	0.55 U	0.55 U	0.55 U	31	0.55 U	0.55 U	0.55 U	0.55 U	5.5 U	3.6	9	0.55 U	3.9	1.6 U	1.6 U	2.2 U	2.2 U	0.55 U	0.55 U	0.55 U	2.2 U	0.55 U	5.5 U	2.2 U	0.55 U	11 U	130
	05/15/12	ORIG	42	29	0.57 U	0.57 U	0.57 U	0.57 U	28	0.57 U	0.57 U	0.57 U	0.57 U	5.7 U	4	9	0.61	7.8	1.7 U	1.7 U	2.3 U	2.3 U	0.57 U	0.57 U	0.57 U	2.3 U	0.57 U	5.7 U	2.3 U	0.57 U	11 U	120
	06/05/12	ORIG	63	39	2.5 U	2.5 U	2.5 U	2.5 U	38	2.5 U	2.5 U	2.5 U	2.5 U	25 U	5.6	13	2.5 U	10 U	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	160
VMP-01	06/09/10	ORIG	500000	28000	950 J	26000 U	1200 J	19000 U	65000	19000 U	2200 J	3700 J	20000 U	17000 U	6700	9800	24000 U	38000	14000 U	20000 U	17000 U	74000 U	820 J	1300 J	21000 U	21000 U	21000 U	59000 U	84000 U	12000 U	84000 U	660000
	09/08/10	ORIG	8400	1900	38 U	38 U	18 J	32 J	280	5.8 J	13 J	69	76 U	38 U	13 J	16 J	38 U	71 J	38 U	38 U	38 U	28 J	9.5 J	9.1 J	3.6 J	12 J	6.6 J	13 J	190 U	38 U	190 U	11000
	01/12/11	ORIG	130	11	0.36 J	1.7 U	1.7 U	0.62 J	7.5	1.6 J	0.52 J	1.7 U	0.84 J	0.26 J	1.5 J	2.8	0.71 J	16	1.7 U	1.7 U	1.7 U	1.1 J	0.97 J	1.6 J	0.31 J	1.1 J	0.54 J	8.7 U	8.7 U	1.7 U	8.7 U	180
	04/11/11	ORIG	190	41	2 U	2 U	2 U	2 U	30	2 U	0.59 J	0.77 J	1.2 J	2 U	4.8	7.6	0.9 J	55	4.8	2 U	2 U	1.5 J	0.98 J	2.6	0.67 J	2.7	0.97 J	0.71 J	10 U	2 U	10 U	350
	06/30/11	ORIG	2	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.83 J	1.7 U	1.7 U	1.7 U	0.62 J	18	1.7 U	1.7 U	1.7 U	8.7 U	0.4 J	0.85 J	1.7 U	0.57 J	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	23
	09/07/11	ORIG	140	4.8	2 U	2 U	2 U	2 U	4	0.47 J	2 U	0.43 J	1.1 J	2 U	2 U	2 U	0.65 J	200	54	2 U	2 U	2.3 J	0.74 J	1 J	2 U	2 U	2 U	10 U	1.6 J	2 U	10 U	420
	12/20/11	ORIG	7.2	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.2 J	1.7 U	1.7 U	0.27 J	1.8 J	1.4 J	0.91 J	1.7 U	1.9	30	2.2	1.7 U	1.7 U	0.56 J	2.5	12	0.8 J	3	0.96 J	9.2	1.7 J	1.7 U	8.7 U	77
	03/27/12	ORIG	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.74	5 U	1 U	1.5 U	0.64	11	1.5 U	1.5 U	2 U	2 U	0.5 U	0.67	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	16
	06/12/12	ORIG	35	2.1	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.57	5 U	1 U	1.5 U	0.53	20	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	59
VMP-02	06/09/10	ORIG	390000	19000	820 J	3900 U	720 J	3900 U	59000	3900 U	2000 J	1800 J	7800 U	3900 U	6400	11000	3900 U	6000 J	3900 U	3900 U	3900 U	3400 J	400 J	330 J	3900 U	3900 U	3900 U	19000 U	19000 U	3900 U	19000 U	500000
	06/09/10	DUP	330000	22000	710 J	14000 U	10000 U	10000 U	48000	1800 J	1400 J	1700 J	600 J	9000 U	5300	8600	13000 U	21000 J	7600 U	1900 J	9300 U	3500 J	790 J	3200	900 J	4900	3600	32000 U	46000 U	6600 U	46000 U	460000
	09/08/10	ORIG	3400	230	18 U	18 U	8.2 J	120	22	18	4.3 J	88	37 U	7.8 J	18 U	3.7 J	18 U	48 J	18 U	18 U	18 U	7.8 J	14 J	27	2.5 J	9.6 J	3.4 J	9 J	4.9 J	18 U	92 U	4000
	01/12/11	ORIG	420	20	1.4 J	3.5 U	3.5 U	17	5.9	3.5 U	1.3 J	1.4 J	7 U	0.68 J	1.4 J	13	0.61 J	14 J	3.5 U	3.5 U	3.5 U	3 J	1.6 J	2.1 J	3.5 U	3.5 U	0.45 J	1.2 J	17 U	3.5 U	17 U	510
	04/11/11	ORIG	21	4.3	0.74 J	1.9 U	1.9 U	1.9 U	1.5 J	1.9 U	1.9 U	1.9 U	1.2 J	0.72 J	0.61 J	1.2 J	0.87 J	41	7.6	1.9 U	1.9 U	15	0.92 J	12	4	16	6	3.2 J	0.32 J	1.9 U	9.4 U	140
	06/30/11	ORIG	8.1	0.37 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.94 J	1.8 U	1.8 U	1.8 U	0.61 J	38	19	1.8 U	1.8 U	1.2 J	0.44 J	0.99 J	0.24 J	0.97 J	0.34 J	1.4 J	8.9 U	1.8 U	8.9 U	73
	09/07/11	ORIG	1.8	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.77 J	1.8 U	1.8 U	1.8 U	0.63 J	150	24	1.8 U	1.8 U	9 U	0.47 J	0.91 J	1.8 U	1.8 U	1.8 U	1.9 J	0.49 J	1.8 U	9 U	180
	12/20/11	ORIG	1.2 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.5 J	0.57 J	1.8 U	1.8 U	0.93 J	27	4	1.8 U	1.8 U	0.62 J	1.1 J	3	0.31 J	1.2 J	0.48 J	9.2 U	9.2 U	1.8 U	9.2 U	42
	03/27/12	ORIG	23	2.9	0.52 U	0.52 U	0.52 U	0.52 U	1.6	0.52 U	0.52 U	0.52 U	0.52 U	5.2 U	1 U	1.6 U	0.59	6	1.6 U	1.6 U	2.1 U	2.1 U	1.2	7.1	1.3	4.7	1.8	5.2 U	2.3	0.52 U	10 U	52
	06/11/12	ORIG	48	3.1	0.5 U	0.5 U	0.5 U	0.5 U	0.64	4	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.61	72	1.5 U	1.5 U	2 U	2 U	0.5 U	1.8	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	140
VMP-03	06/09/10	ORIG	2100	140	71 U	71 U	53 U	53 U	140	52 U	11 J	3.9 J	54 U	46 U	7 J	6.5 J	65 U	160 U	39 U	54 U	47 U	200 U	1.4 J	1.3 J	57 U	57 U	57 U	160 U	230 U	33 U	230 U	2400
	09/08/10	ORIG	270	7.7	0.75 J	1.8 U	1.8 U	1.8 U	2.1	0.28 J	1.8 U	1.8 U	0.7 J	1.8 U	0.68 J	2.1	0.71 J	6.6 J	1.8 U	1.8 U	1.8 U	1.2 J	0.39 J	0.4 J	1.8 U	1.8 U	1.8 U	9.2 U	9.2 U	1.8 U	9.2 U	290
	01/12/11	ORIG	58	4.8	2.5 U	2.5 U	2.5 U	2.5 U	1.9 J	1.1 J	2.5 U	0.57 J	5.1 U	0.68 J	0.45 J	2.5 U	0.79 J	18	2.5 U	2.5 U	2.5 U	13 U	1.1 J	0.65 J	2.5 U	2.5 U	2.5 U	13 U	13 U	2.5 U	2.9 J	91
	04/11/11	ORIG	7.8	2.7	0.6 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.85 J	1.8 U	0.39 J	1.8 U	0.97 J	53	4.1	1.8 U	1.8 U	2.4 J	0.93 J	1.1 J	0.52 J	1.4 J	1.3 J	2.3 J	0.38 J	1.8 U	9 U	81
	06/30/11	ORIG	7.6	0.93 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	3.7 U	1.9 U	1.9 U	0.67 J	0.68 J	73	26	1.9 U	1.9 U	1.3 J	0.64 J	0.48 J	1.9 U	1.9 U	1.9 U	9.4 U	9.4 U	1.9 U	9.4 U	110
	09/07/11	ORIG	5.5	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.3 J	1.9 U	1.9 U	1.9 U	0.66 J	150	27	1.9 U	1.9 U	6.1 J	1.4 J	1.1 J	0.25 J	1.3 J	0.45 J	1.9 J	1.2 J	1.9 U	9.4 U	200
	12/20/11	ORIG	60	1.3 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.5 J	1.9 U	1.9 U	0.45 J	1.1 J	17	1.9 U	1.9 U	1.9 U	1.2 J	1 J	2.3	1.9 U	0.89 J	0.38 J	9.4 U	9.4 U	1.9 U	9.4 U	87
	03/27/12	ORIG	12 J	0.55	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.55	5.4 U	1.1 U	1.6 U	0.59	16	1.6 U	1.6 U	2.2 U	2.2 U	0.66	1.9 J	0.54 U	2.2 U	0.54 U	5.4 U	2.2 U	0.54 U	11 U	32
	06/11/12	ORIG	5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.62	5 U	1 U	1.5 U	0.59	32	1.5 U	1.5 U	2 U	2 U	0.61	2	0.5 U	2 U	0.53	5 U	2 U	0.5 U	10 U	46
	06/11/12	DUP	3.2 J	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.82	5 U	1 U	1.5 U	0.59	37	1.5 U	1.5 U	2 U	2 U	0.5 U	1	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	44
VMP-04	06/09/10	ORIG	11000	10000	330 U	14 J	140	250 U	450	240 U	55 J	120	250 U	210 U	170	190	300 U	190 J	180 U	250 U	220 U	940 U	7.2 J	14 J	16 J	29 J	13 J	750 U	1100 U	160 U	1100 U	22000

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VMP-04	09/08/10	ORIG	3400	2500	18 U	9.9 J	60	18 U	39	4.5 J	5.6 J	60	36 U	10 J	15 J	16 J	18 U	69 J	18 U	18 U	18 U	90 U	3.7 J	11 J	18 U	18 U	18 U	90 U	3.2 J	18 U	90 U	6200
	01/12/11	ORIG	1800	670	10 U	9 J	16	10 U	8.1 J	2.7 J	10 U	26	21 U	11	8.3 J	11	10 U	39 J	10 U	10 U	10 U	16 J	6.5 J	15	1.5 J	5.1 J	3.1 J	51 U	51 U	10 U	51 U	2600
	04/11/11	ORIG	860	240	0.66 J	6.4	5.5	5.3 U	6	5.3 U	5.3 U	14	11 U	6.5	5.2 J	7.9	0.76 J	51	5.3 U	5.3 U	5.3 U	6.6 J	2.5 J	15	37	47	16	5.7 J	0.8 J	5.3 U	27 U	1300
	06/30/11	ORIG	6.8	3.3	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.67 J	1.8 U	1.8 U	1.8 U	0.62 J	68	20	1.8 U	1.8 U	8.9 U	1.7 J	1.3 J	0.22 J	0.75 J	0.28 J	1.7 J	0.67 J	1.8 U	8.9 U	110
	09/07/11	ORIG	1.3 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1 J	0.73 J	1.9 U	1.9 U	0.65 J	200	10	1.9 U	1.9 U	9.4 U	1.1 J	2.4	0.43 J	1.2 J	0.45 J	2.2 J	1.1 J	1.9 U	9.4 U	220
	12/20/11	ORIG	1700	1600	9.4 U	9.4 U	19	9.4 U	1300	9.4 U	9.4 U	6.6 J	19 U	9.4 U	170	380	9.4 U	42 J	9.4 U	9.4 U	9.4 U	47 U	2 J	14	1.3 J	7 J	3.5 J	47 U	47 U	9.4 U	47 U	5200
	03/27/12	ORIG	750	540	2.5 U	2.5 U	5	2.5 U	360	2.5 U	2.5 U	2.5 U	2.5 U	25 U	43	84	2.5 U	14	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	1800
	06/11/12	ORIG	180	200	0.5 U	0.5 U	2.5	0.5 U	130	0.5 U	0.5 U	0.63	0.77	5 U	16	25	0.62	25	1.5 U	1.5 U	2 U	2 U	0.63	2.1	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	580
VMP-05	06/09/10	ORIG	140000	20000	300 J	4200 U	630 J	3100 U	27000	3100 U	1200	1100	3200 U	2700 U	3200	17000	3800 U	4100	2300 U	3200 U	2800 U	760 J	190 J	180 J	3400 U	3400 U	3400 U	9600 U	14000 U	2000 U	14000 U	220000
	09/08/10	ORIG	4300	1100	7.3 J	58	21	7.6 J	320	19 U	14 J	44	38 U	19 U	45	140	19 U	27 J	19 U	19 U	19 U	95 U	7 J	4.7 J	19 U	19 U	19 U	95 U	95 U	19 U	95 U	6100
	01/12/11	ORIG	11000	1000	870	25 J	16 J	54 U	610	54 U	54 U	26 J	110 U	54 U	420	7200	54 U	130 J	54 U	54 U	54 U	56 J	30 J	86	6.3 J	15 J	7.6 J	270 U	270 U	54 U	270 U	21000
	04/11/11	ORIG	970	220	3.7 J	18	5.4 U	5.4 U	64	5.4 U	5.2 J	3.2 J	11 U	5.4 U	8.7	33	1.1 J	70	6.9	5.4 U	5.4 U	3.5 J	43	210	31	170	51	4.4 J	23 J	5.4 U	27 U	1900
	06/30/11	ORIG	68	5.9	0.6 J	1 J	1.8 U	1.8 U	2.8	1.8 U	1.8 U	1.8 U	3.5 U	1.5 J	1.8 U	1.9	0.65 J	86	12	1.8 U	1.8 U	8.9 U	0.61 J	0.7 J	1.8 U	0.5 J	1.8 U	8.9 U	8.9 U	1.8 U	8.9 U	180
	09/07/11	ORIG	70	8.2	1.8 U	1.2 J	1.8 U	1.8 U	3.5	1.8 U	1 J	0.27 J	3.6 U	0.95 J	1.8 U	0.9 J	0.65 J	86	4.6	1.8 U	1.8 U	1.3 J	0.97 J	0.96 J	0.18 J	1.8 U	1.8 U	9 U	0.9 J	1.8 U	9 U	180
	12/20/11	ORIG	37	3	1.7 U	1.7 U	1.7 U	1.7 U	1.2 J	1.7 U	0.34 J	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	0.38 J	6.9 J	1.7 U	1.7 U	1.7 U	8.7 U	0.35 J	0.4 J	1.7 U	1.7 U	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	50
	03/27/12	ORIG	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	5 U	1 U	1.5 U	0.57	47	2	1.5 U	2 U	2 U	0.5 U	0.95	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	53
	06/11/12	ORIG	45	8.1	0.5 U	0.5 U	0.5 U	0.5 U	3	0.5 U	0.96	0.5 U	0.5 U	5 U	1 U	1.5 U	0.5 U	33	3.1	1.5 U	2 U	2 U	0.5 U	1.4	0.5 U	2 U	0.5 U	5 U	3.6	0.5 U	10 U	100
VMP-06	06/09/10	ORIG	290000	6700	220 J	8000 U	750 J	1100 J	12000	5800 U	5800 U	2500	6100 U	5100 U	2400	120000	7300 U	18000	1600	6000 U	5300 U	23000 U	540 J	2200	460 J	750 J	440 J	18000 U	26000 U	3800 U	26000 U	460000
	09/08/10	ORIG	130000	12000	1400	450 J	1600	1600	9900	1300 U	300 J	5900	2600 U	200 J	17000	250000	1300 U	5500 J	1300 U	1300 U	1300 U	5100 J	400 J	450 J	1300 U	1300 U	1300 U	450 J	6600 U	1300 U	6600 U	440000
	09/08/10	DUP	280000	25000	2900	1100 J	3300	3500	20000	2100 U	570 J	12000	4200 U	530 J	36000	510000	2100 U	20000	3900	2100 U	2100 U	11000 U	820 J	1600 J	570 J	1200 J	470 J	11000 U	900 J	2100 U	11000 U	920000
	01/12/11	ORIG	190000	21000	23000	940 U	450 J	300 J	19000	940 U	940 U	750 J	1900 U	330 J	12000	210000 J	940 U	1200 J	940 U	940 U	940 U	590 J	440 J	550 J	940 U	940 U	940 U	4700 U	4700 U	940 U	4700 U	480000
	01/12/11	DUP	150000	18000	19000	750 U	310 J	750 U	15000	750 U	750 U	580 J	210 J	5600 J	9900	160000 J	750 U	790 J	750 U	750 U	750 U	3700 U	300 J	200 J	750 U	750 U	750 U	3700 U	3700 U	750 U	3700 U	380000
	04/11/11	ORIG	83000	6700	2900	450 U	450 U	450 U	4900	450 U	450 U	110 J	900 U	450 U	910	10000	450 U	1500 J	770	450 U	450 U	2300 U	150 J	2300	590	3000	1100	2300 U	110 J	450 U	2300 U	120000
	04/11/11	DUP	360000	36000	16000	2100 U	2100 U	2100 U	30000	2100 U	2100 U	740 J	4100 U	2100 U	5100	56000	2100 U	3800 J	1500 J	2100 U	2100 U	10000 U	500 J	450 J	2100 U	2100 U	2100 U	10000 U	10000 U	2100 U	10000 U	510000
	06/30/11	ORIG	7.7	0.39 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1 J	0.54 J	1.7 U	3.8	0.62 J	100	11	1.7 U	1.7 U	1 J	0.5 J	1.2 J	0.2 J	0.82 J	0.32 J	8.7 U	8.7 U	1.7 U	8.7 U	130
	06/30/11	DUP	8.8	0.57 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1 J	1.3 J	1.7 U	1.9	0.6 J	140	14	1.7 U	1.7 U	8.7 U	0.47 J	4.2	0.58 J	2.4	0.79 J	8.7 U	8.7 U	1.7 U	8.7 U	180
	09/07/11	ORIG	330 J	33 J	0.28 J	0.81 J	0.68 J	6.7	14 J	1.8 U	1.6 J	5.1	1.7 J	2.1	1.8 U	0.44 J	0.88 J	180 J	19 J	1.8 U	1.8 U	8.4 J	2.3	3.9	0.39 J	1.2 J	0.51 J	3 J	1.8 J	1.8 U	9 U	620
	09/07/11	DUP	100 J	5.4 J	0.34 J	1.8 U	1.8 U	1.8 U	2.2 J	1.8 U	1.8 U	1.8 U	1 J	0.7 J	1.8 U	3.4 J	0.67 J	96 J	6.2 J	1.8 U	1.8 U	0.83 J	0.96 J	2.5	0.28 J	0.91 J	0.43 J	3 J	0.74 J	1.8 U	9 U	230
	12/20/11	ORIG	1200 J	34 J	3.6 J	5.8 U	2.2 J	1.7 J	12 J	5.8 U	5.8 U	7.8	3.4 J	2.4 J	5.8 U	18 J	2 J	94	5.8 U	5.8 U	5.8 U	5.3 J	3.9 J	32 J	1.8 J	5.9	2.7 J	29 U	29 U	5.8 U	29 U	1400
	12/20/11	DUP	6600 J	420 J	110 J	30 U	10 J	30 U	350 J	30 U	30 U	12 J	60 U	30 U	52	1100 J	30 U	70 J	30 U	30 U	30 U	150 U	30 U	17 J	30 U	7.5 J	30 U	150 U	150 U	30 U	150 U	8700
	03/27/12	ORIG	160	6.4	0.6	0.57 U	0.57 U	0.57 U	1.4	0.57 U	0.57 U	0.57 U	0.59	5.7 U	1.1 U	1.7 U	0.57 U	30	1.7 U	1.7 U	2.3 U	2.3 U	0.57 U	0.77	0.57 U	2.3 U	0.57 U	5.7 U	2.3 U	0.57 U	11 U	200
	06/11/12	ORIG	13000	1900	280	20 U	37	20 U	1800	20 U	20 U	29	20 U	200 U	48	1400	20 U	80 U	60 U	60 U	80 U	80 U	20 U	20 U	20 U	80 U	20 U	200 U	80 U	20 U	400 U	18000
VMP-11	07/07/10	ORIG	4900	410	330 U	330 U	250 U	250 U	43 J	13 J	240 U	80	250 U	210 U	340 U	460 U	300 U	320	180 U	250 U	220 U	940 U	16 J	15 J	6.3 J	18 J	260 U	750 U	52 J	160 U	1100 U	5900

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VMP-11	09/08/10	ORIG	1300	59	8.7 U	8.7 U	8.7 U	8.7 U	17	8.7 U	8.7 U	3.7 J	17 U	2.3 J	8.7 U	4.1 J	0.83 J	40 J	8.7 U	8.7 U	1.7 J	20 J	3.1 J	3.6 J	8.7 U	8.7 U	8.7 U	7 J	44 U	8.7 U	44 U	1500
	01/12/11	ORIG	250	18	1.7 U	1.7 U	1.7 U	1.7 U	8	1.7 U	1.7 U	1.1 J	0.65 J	2.1	0.53 J	1.7 U	0.73 J	9.8	1.7 U	1.7 U	1.7 U	1 J	0.91 J	1.2 J	0.2 J	0.66 J	0.55 J	0.62 J	8.6 U	1.7 U	8.6 U	300
	04/11/11	ORIG	400	25	2.6 U	2.6 U	2.6 U	2.6 U	21	2.6 U	2.6 U	3	5.2 U	1.4 J	0.71 J	1.6 J	0.78 J	50	2.3 J	2.6 U	2.6 U	2.9 J	0.67 J	0.18 J	2.6 U	2.6 U	2.6 U	1.3 J	13 U	2.6 U	13 U	510
	06/30/11	ORIG	180	11	1.9 U	1.9 U	1.9 U	1.9 U	5.3	1.9 U	1.9 U	0.85 J	3.8 U	1.9 U	1.9 U	1.9 U	0.57 J	250	26	1.9 U	1.9 U	1.2 J	20	92	12	36	12	9.5 U	76	1.9 U	9.5 U	730
	09/07/11	ORIG	130	8.6	1.9 U	1.9 U	1.9 U	1.9 U	5.8	1.9 U	1.9 U	0.68 J	3.7 U	0.8 J	1.9 U	0.58 J	1.9 U	41	3.6	1.9 U	1.9 U	0.82 J	1.5 J	4	0.77 J	3	1.3 J	2.1 J	2.2 J	1.9 U	9.4 U	210
	12/20/11	ORIG	100	5.3	1.8 U	1.8 U	1.8 U	1.8 U	4.8	1.8 U	1.8 U	0.47 J	3.6 U	0.46 J	1.8 U	1.8 U	0.61 J	10	1.8 U	1.8 U	1.8 U	9 U	0.45 J	0.47 J	0.54 J	1.9	0.72 J	9 U	9 U	1.8 U	9 U	130
	03/27/12	ORIG	55	4.1	0.54 U	0.54 U	0.54 U	0.54 U	2.8	0.54 U	0.54 U	0.54 U	0.54 U	5.4 U	1.1 U	1.6 U	0.61	10	1.6 U	1.6 U	2.2 U	2.2 U	0.54 U	0.54 U	0.54 U	2.2 U	0.54 U	5.4 U	2.2 U	0.54 U	11 U	73
	06/11/12	ORIG	200	14	0.5 U	0.5 U	0.5 U	0.5 U	6.2	0.5 U	0.5 U	0.5	0.5 U	5 U	1 U	1.5 U	0.6	26	1.5 U	1.5 U	2 U	2 U	0.5 U	0.99	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	250
VMP-12	07/07/10	ORIG	12000	2100	620 U	620 U	460 U	460 U	200	140	450 U	180	470 U	400 U	640 U	19 J	570 U	5400	250	470 U	16 J	1800 U	48 J	78 J	16 J	110	45 J	1400 U	120 J	290 U	2000 U	21000
	09/08/10	ORIG	4800	170	21 U	21 U	21 U	21 U	36	21 U	21 U	9 J	42 U	21 U	21 U	5.7 J	21 U	39 J	21 U	21 U	21 U	27 J	3.5 J	7.5 J	21 U	6.3 J	2.6 J	100 U	100 U	21 U	100 U	5100
	01/12/11	ORIG	750	21	5.9 U	5.9 U	5.9 U	5.9 U	8	5.9 U	5.9 U	1.2 J	2 J	2.8 J	0.99 J	2.2 J	0.68 J	45	5.9 U	5.9 U	5.9 U	11 J	3.5 J	21	1.8 J	5.8 J	3 J	1.9 J	0.94 J	5.9 U	30 U	880
	04/11/11	ORIG	740	38	4.7 U	4.7 U	4.7 U	4.7 U	19	4.7 U	4.7 U	1.7 J	0.92 J	4.7 U	0.71 J	1.3 J	0.77 J	23	4.7 U	4.7 U	4.7 U	23 U	2 J	4.2 J	1.2 J	5.6	2.2 J	1.5 J	1.4 J	4.7 U	23 U	840
	06/30/11	ORIG	540	22	3.5 U	3.5 U	3.5 U	3.5 U	8.7	0.93 J	3.5 U	0.94 J	7 U	3.5 U	3.5 U	1.3 J	0.6 J	57	6.5	3.5 U	3.5 U	2.9 J	1 J	1.6 J	4.5	6.3	2.4 J	17 U	17 U	3.5 U	17 U	660
	09/07/11	ORIG	530	19	2.6 U	2.6 U	2.6 U	2.6 U	7.7	2.6 U	2.6 U	0.66 J	5.2 U	2.6 U	2.6 U	1.1 J	0.62 J	33	3.7	2.6 U	2.6 U	1.8 J	1.4 J	1.3 J	2.6 U	2.6 U	2.6 U	13 U	13 U	2.6 U	13 U	600
	12/20/11	ORIG	17	0.46 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	0.64 J	13	1.7 U	1.7 U	1.7 U	8.7 U	1 J	1.8	0.33 J	1.3 J	0.63 J	8.7 U	8.7 U	1.7 U	8.7 U	36
	03/27/12	ORIG	200	11	2.5 U	2.5 U	2.5 U	2.5 U	2.7	2.5 U	2.5 U	2.5 U	2.5 U	25 U	5 U	7.5 U	2.5 U	12	7.5 U	7.5 U	10 U	10 U	50	230	64	150	12	25 U	10 U	2.5 U	50 U	730
	06/11/12	ORIG	480	24	2.5 U	2.5 U	2.5 U	2.5 U	11	2.5 U	2.5 U	2.5 U	2.5 U	25 U	5 U	7.5 U	2.5 U	52	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	570
VMP-13	07/07/10	ORIG	660	31	3.7 J	27 U	2.4 J	20 U	51	20 U	0.76 J	22	20 U	7.1	32	70	1.1 J	69	9	20 U	0.86 J	2.8 J	3.4 J	4.4 J	1.6 J	5.1	1.8 J	61 U	7 J	13 U	89 U	990
	09/08/10	ORIG	430	15	0.24 J	0.73 J	1.8 U	0.64 J	1.2 J	1.8 U	1.8 U	1.3 J	0.75 J	1.8 U	0.98 J	9.9	0.76 J	6.3 J	1.1 J	1.8 U	1.8 U	2.8 J	0.42 J	0.26 J	1.8 U	1.8 U	1.8 U	9 U	9 U	1.8 U	9 U	470
	01/12/11	ORIG	41	6.2	1.7 U	1.7 U	1.7 U	1.7 U	4.5	1.7 U	1.7 U	1.1 J	3.5 U	1.7 U	5.8	14	0.82 J	6.6 J	1.7 U	1.7 U	1.7 U	5.8 J	0.67 J	0.49 J	1.7 U	1.7 U	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	87
	04/11/11	ORIG	42	4.9	1.7 U	1.7 U	1.7 U	1.7 U	3.2	1.7 U	1.7 U	1.3 J	3.4 U	1.7 U	2.9	8.9	0.81 J	9	1.6 J	1.7 U	1.7 U	2 J	2.9	0.17 J	1.7 U	1.7 U	1.7 U	8.6 U	8.6 U	1.7 U	8.6 U	80
	06/30/11	ORIG	11	0.67 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.1 J	1.8 U	1.8 U	1.8 U	0.63 J	50	9.1	1.8 U	1.8 U	2.1 J	0.49 J	0.35 J	1.8 U	1.8 U	1.8 U	9 U	9 U	1.8 U	9 U	75
	09/07/11	ORIG	2.1	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.71 J	0.58 J	1.7 U	1.7 U	0.65 J	18	2.2	1.7 U	1.7 U	19	1.2 J	1.5 J	0.12 J	0.44 J	1.7 U	8.7 U	0.89 J	1.7 U	8.7 U	47
	12/20/11	ORIG	8.7	1.4 J	1.7 U	1.7 U	1.7 U	1.7 U	0.45 J	1.7 U	1.7 U	0.4 J	3.4 U	1.7 U	0.71 J	1.8	0.6 J	8.4 U	1.7 U	1.7 U	1.7 U	8.4 U	0.54 J	0.98 J	1.7 U	0.49 J	1.7 U	8.4 U	8.4 U	1.7 U	8.4 U	16
	03/27/12	ORIG	9.3	1.7	0.5 U	0.5 U	0.5 U	0.5 U	1.3	0.5 U	0.5 U	0.53	0.5 U	5 U	1.3	7.6	0.62	4.7	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	27
	06/11/12	ORIG	13	6.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.5 U	16	1.5 U	1.5 U	2 U	2 U	0.5 U	1.3	0.5 U	2 U	1	5 U	2 U	0.5 U	10 U	44
VMP-14	07/07/10	ORIG	270	12	0.32 J	11 U	7.9 U	7.9 U	5.4	7.7 U	7.7 U	3.2	0.7 J	0.79 J	0.6 J	1.8 J	0.58 J	14	5.7 U	7.9 U	7 U	30 U	0.54 J	1.2 J	8.4 U	8.4 U	0.25 J	24 U	0.27 J	5 U	34 U	310
	09/08/10	ORIG	280	9.1	1.7 U	0.43 J	1.7 U	1.7 U	0.63 J	1.7 U	1.7 U	0.71 J	0.69 J	1.7 U	0.63 J	4.2	0.75 J	4.4 J	1.7 U	1.7 U	1.7 U	1.1 J	0.53 J	0.58 J	1.7 U	0.5 J	0.36 J	8.7 U	8.7 U	1.7 U	0.97 J	310
	01/12/11	ORIG	1900	240	9.6 J	16 U	16 U	16 U	2700	16 U	16 U	2.4 J	32 U	13 J	970	3300	3.2 J	57 J	16 U	16 U	16 U	53 J	7.6 J	17	2.4 J	7.3 J	4 J	80 U	3.5 J	16 U	80 U	9300
	04/11/11	ORIG	15000	3500	76 U	76 U	76 U	76 U	7500	76 U	76 U	14 J	150 U	76 U	1200	3700	76 U	180 J	76 U	76 U	76 U	380 U	16 J	11 J	76 U	76 U	7.1 J	380 U	380 U	76 U	380 U	31000
	06/30/11	ORIG	190	25	1.8 U	1.8 U	1.8 U	1.8 U	4.7	1.8 U	1.8 U	0.3 J	0.85 J	1.8 U	0.75 J	1.3 J	0.64 J	32	5.9	1.8 U	1.8 U	8.9 U	1 J	1 J	1.8 U	0.79 J	0.41 J	8.9 U	8.9 U	1.8 U	8.9 U	260
	09/07/11	ORIG	20	2.7	1.7 U	1.7 U	1.7 U	1.7 U	0.8 J	1.7 U	1.7 U	1.7 U	0.79 J	1.3 J	1.7 U	1.7 U	0.73 J	37	5	1.7 U	1.7 U	4.7 J	1.5 J	2.3	0.19 J	0.6 J	0.3 J	2.6 J	0.73 J	1.7 U	8.7 U	81
	12/20/11	ORIG	27	4.1	1.7 U	1.7 U	1.7 U	1.7 U	1.2 J	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	0.83 J	0.64 J	4.4 J	1.7 U	1.7 U	1.7 U	1.5 J	0.53 J	2.1	0.95 J	5.9	1.4 J	8.7 U	8.7 U	1.7 U	8.7 U	51

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VMP-14	03/27/12	ORIG	25	6	0.5 U	0.5 U	0.5 U	0.5 U	2.1	0.5 U	0.5 U	0.5 U	0.67	5 U	1 U	1.5	0.59	6.7	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	43
	06/11/12	ORIG	6.3	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	5 U	1 U	1.5 U	0.62	39	37	1.5 U	2 U	2 U	0.5 U	1.4	0.5 U	2 U	0.72	5 U	2 U	0.5 U	10 U	93
VMP-15	07/07/10	ORIG	1900	92	78 U	78 U	58 U	58 U	7.8 J	11 J	57 U	29	59 U	50 U	80 U	1.5 J	71 U	240	26	59 U	14	220 U	20	50	7.4 J	41	14	180 U	29 J	37 U	260 U	2500
	09/08/10	ORIG	940	31	4.4 U	4.4 U	4.4 U	4.4 U	4.5	1 J	4.4 U	2.5 J	8.7 U	4.4 U	0.62 J	2.9 J	0.64 J	21 J	4.4 U	2.2 J	13	5.6 J	1.2 J	2.9 J	0.5 J	2 J	0.82 J	3.6 J	0.57 J	4.4 U	2.5 J	1000
	01/13/11	ORIG	470	16	2.3 J	2.7 U	2.7 U	2.7 U	4.6	2.7 U	2.7 U	0.94 J	5.3 U	3.1	1.3 J	9.6	0.71 J	18	2.7 U	2.7 U	2.7 U	35	1.3 J	1.9 J	0.81 J	3.1	1.6 J	0.97 J	0.38 J	2.7 U	1.5 J	570
	04/11/11	ORIG	350	16	1.8 U	1.8 U	1.8 U	1.8 U	9.2	1.8 U	1.8 U	0.56 J	0.84 J	1.8 U	0.9 J	1.3 J	0.8 J	5.9 J	1.8 U	1.8 U	1.8 U	5 J	1.2 J	1.8	0.25 J	1.2 J	0.47 J	9.2 U	9.2 U	1.8 U	9.2 U	400
	06/30/11	ORIG	100	4.5	1.8 U	1.8 U	1.8 U	1.8 U	1.7 J	1.8 U	1.8 U	1.8 U	1 J	1.8 U	1.8 U	0.48 J	0.68 J	70	8.5	1.8 U	1.8 U	0.82 J	0.94 J	1.6 J	0.21 J	0.8 J	0.29 J	8.9 U	8.9 U	1.8 U	8.9 U	190
	09/07/11	ORIG	310	8.1	1.7 U	1.7 U	1.7 U	1.7 U	1.3 J	1.7 U	1.7 U	0.38 J	3.5 U	0.49 J	1.7 U	1.7 U	0.64 J	26	2	1.7 U	1.7 U	8.7 U	0.95 J	1.2 J	1.7 U	0.44 J	1.7 U	1.4 J	8.7 U	1.7 U	1.3 J	350
	12/20/11	ORIG	150	6	1.7 U	1.7 U	1.7 U	1.7 U	2.3	1.7 U	1.7 U	0.41 J	3.4 U	1.7 U	1.7 U	1.7 U	0.53 J	7.4 J	1.7 U	1.7 U	1.7 U	1.9 J	0.43 J	1.1 J	0.58 J	2.4	0.76 J	8.4 U	8.4 U	1.7 U	8.4 U	170
	03/27/12	ORIG	61	2.4	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.8	0.58	12	2.7	1.5 U	2 U	2 U	5.6	1.9	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	89
	06/11/12	ORIG	27	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50 U	10 U	15 U	5 U	20 U	15 U	15 U	20 U	20 U	180	340	34	120	46	50 U	700	5 U	100 U	1500
VMP-16	07/07/10	ORIG	320	16	0.2 J	10 U	0.41 J	7.6 U	9.6	7.4 U	7.4 U	3.1	7.7 U	0.45 J	0.66 J	1.6 J	0.56 J	14	5.5 U	7.7 U	6.7 U	29 U	0.68 J	1.4 J	0.18 J	0.58 J	0.22 J	0.92 J	0.24 J	4.8 U	33 U	370
	09/08/10	ORIG	930	48	0.46 J	0.84 J	0.59 J	1 J	10	4.5 U	4.5 U	3.8 J	9 U	4.5 U	1.4 J	15	0.7 J	25	3.3 J	4.5 U	4.5 U	3.7 J	1.1 J	6.1	1.5 J	6.6	3 J	23 U	1.6 J	4.5 U	23 U	1100
	01/12/11	ORIG	34	1.9	1.7 U	1.7 U	1.7 U	1.7 U	0.46 J	1.7 U	1.7 U	1.7 U	0.85 J	1.7 U	0.5 J	1.7 U	0.61 J	26	1.2 J	1.7 U	1.7 U	0.39 J	2	2.1	0.33 J	1.1 J	0.46 J	8.7 U	0.33 J	1.7 U	8.7 U	72
	04/11/11	ORIG	390	26	1.8 U	1.8 U	1.8 U	1.8 U	9.5	1.8 U	1.8 U	1 J	3.7 U	1.8 U	0.55 J	1.8 U	0.82 J	20	1.8 U	1.8 U	1.8 U	4.9 J	1.9	0.36 J	1.8 U	1.8 U	1.8 U	2 J	9.2 U	1.8 U	9.2 U	460
	06/30/11	ORIG	26	1.2 J	1.8 U	1.8 U	1.8 U	1.8 U	0.46 J	1.8 U	1.8 U	1.8 U	1.3 J	1.8 U	1.8 U	1.8 U	0.62 J	56	5.8	1.8 U	1.8 U	8.9 U	1.3 J	0.71 J	1.8 U	1.8 U	1.8 U	1.6 J	8.9 U	1.8 U	8.9 U	95
	09/07/11	ORIG	89	4.8	1.7 U	1.7 U	1.7 U	1.7 U	1.5 J	1.7 U	1.7 U	1.7 U	3.5 U	0.79 J	1.7 U	1.7 U	0.63 J	26	6.1	1.7 U	1.7 U	5.7 J	1.2 J	2.2	0.22 J	0.87 J	0.32 J	2 J	1.1 J	1.7 U	8.7 U	140
	12/20/11	ORIG	86	4.3	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	6.7 U	3.4 U	3.4 U	3.4 U	3.4 U	17 U	3.4 U	3.4 U	3.4 U	17 U	68	520	130	480	130	17 U	39	3.4 U	17 U	1500
	03/27/12	ORIG	10	0.74	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.7	5.8 U	1.2 U	1.8 U	0.67	10	1.8 U	1.8 U	2.3 U	2.3 U	0.58 U	1.6	0.58 U	2.3 U	0.58 U	5.8 U	2.3 U	0.58 U	12 U	24
	06/11/12	ORIG	110	7.3	0.8 U	0.8 U	0.8 U	0.8 U	2.1	0.8 U	0.8 U	0.8 U	0.92	8 U	1.6 U	2.4 U	0.8 U	31	2.4 U	2.4 U	3.2 U	3.2 U	1.3	3.1	0.8 U	3.2 U	0.89	8 U	4.2	0.8 U	16 U	170
VMP-17	07/07/10	ORIG	1800	17	52 U	52 U	39 U	3.5 J	5.4 J	38 U	38 U	9.2 J	39 U	33 U	54 U	1.2 J	47 U	32 J	28 U	39 U	4.2 J	6 J	2.2 J	4.2 J	1.6 J	7.5 J	2.1 J	120 U	5 J	24 U	170 U	1900
	09/08/10	ORIG	890	19	4.4 U	0.6 J	4.4 U	1.1 J	2 J	1.9 J	4.4 U	2.3 J	8.7 U	1.3 J	0.74 J	6	0.76 J	26	3.8 J	4.4 U	4.4 U	22 U	0.88 J	26	5.1	3.4 J	1.1 J	22 U	1.4 J	4.4 U	22 U	990
	01/12/11	ORIG	460	15	4.6	1.9 U	1.9 U	1.9 U	30	1.9 U	1.9 U	0.6 J	3.7 U	0.98 J	11	53	0.64 J	7.8 J	1.9 U	1.9 U	1.9 U	1.9 J	1.2 J	2.4	59	180	74	9.4 U	0.22 J	1.9 U	9.4 U	900
	04/11/11	ORIG	43	1.9 J	2.1 U	2.1 U	2.1 U	2.1 U	0.51 J	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	0.34 J	2.1 U	0.66 J	47	6.2	2.1 U	2.1 U	11 U	1.9 J	0.78 J	2.1 U	0.57 J	0.27 J	2.9 J	11 U	2.1 U	11 U	110
	06/30/11	ORIG	43	0.31 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.6 U	1.8 U	1.8 U	1.8 U	0.63 J	77	19	1.8 U	1.8 U	9 U	0.49 J	0.44 J	0.15 J	0.66 J	0.3 J	1.3 J	9 U	1.8 U	9 U	150
	09/07/11	ORIG	30	0.39 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.75 J	0.62 J	1.7 U	1.7 U	0.66 J	22	3.6	1.7 U	1.7 U	3.1 J	0.59 J	0.72 J	1.7 U	0.85 J	0.26 J	8.7 U	0.66 J	1.7 U	8.7 U	64
	12/20/11	ORIG	1 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.83 J	1.9 U	1.9 U	1.9 U	0.59 J	12	1.9 U	1.9 U	1.9 U	9.7 U	0.77 J	1.8 J	1.2 J	5.5	1.9	9.7 U	9.7 U	1.9 U	9.7 U	26
	03/27/12	ORIG	21	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.74	6.7	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	28
	06/11/12	ORIG	17	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.97	5 U	1 U	1.5 U	0.55	34	1.5 U	1.5 U	2 U	2 U	0.5 U	1.2	1.3	4.3	0.85	5 U	2 U	0.5 U	10 U	79
VMP-18	06/09/10	ORIG	46000	30000	1500 U	1500 U	1100 U	1100 U	24000	1100 U	1100 U	41 J	1100 U	960 U	2300	3100	1400 U	3100	150 J	1100 U	1000 U	4300 U	35 J	89 J	1200 U	1200 U	1200 U	3400 U	4900 U	710 U	4900 U	110000
	09/08/10	ORIG	5200	2700	21 U	21 U	5.7 J	21 U	480	21 U	21 U	12 J	43 U	21 U	33	44	21 U	62 J	21 U	21 U	21 U	8.7 J	6.2 J	8.6 J	21 U	21 U	21 U	110 U	110 U	21 U	110 U	8600
	01/12/11	ORIG	2000	1100	10 U	10 U	10 U	10 U	650	10 U	10 U	3.9 J	21 U	3.1 J	98	180	2 J	37 J	10 U	10 U	10 U	16 J	7.4 J	9.8 J	10 U	10 U	10 U	3.4 J	52 U	10 U	52 U	4100
	04/11/11	ORIG	670	360	0.41 J	0.41 J	3.5 U	3.5 U	710	3.5 U	3.5 U	1.2 J	1.2 J	3.5 U	67	110	1.1 J	72	4.1	3.5 U	3.5 U	7.8 J	7.7	20	3.5	22	6.7	17 U	1.4 J	3.5 U	17 U	2100

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VMP-18	06/30/11	ORIG	200	69	1.7 U	1.7 U	1.7 U	1.7 U	14	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.8	2.1	0.66 J	27	4.1	1.7 U	1.7 U	5.6 J	0.7 J	0.32 J	1.7 U	1.7 U	1.7 U	1.7 J	8.7 U	1.7 U	8.7 U	330
	09/07/11	ORIG	140	48	1.8 U	1.8 U	1.8 U	1.8 U	9.7	1.8 U	1.8 U	1.8 U	0.65 J	1.8 U	1.1 J	1.9	0.64 J	130	25	1.8 U	1.8 U	3.2 J	1.1 J	1 J	1.8 U	1.8 U	1.8 U	9 U	0.52 J	1.8 U	9 U	370
	03/27/12	ORIG	39 J	15 J	0.5 U	0.5 U	0.5 U	0.5 U	20 J	0.5 U	0.5 U	0.5 U	0.54	5 U	2.9 J	6.4 J	0.73	8.1 J	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	93
	06/11/12	ORIG	72 J	27	0.5 U	0.5 U	0.5 U	0.5 U	5.7	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1.3	1.5 U	0.5 U	72 J	2.7	1.5 U	2 U	2 U	0.88	1.2	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	190
	06/11/12	DUP	90 J	29	0.5 U	0.5 U	0.5 U	0.5 U	6.3	0.5 U	0.5 U	0.5 U	0.55	5 U	1.4	1.5 U	0.62	38 J	1.6	1.5 U	2 U	2 U	0.5 U	0.64	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	170
VMP-19	06/09/10	ORIG	35000	3400	950 U	950 U	710 U	710 U	45000	690 U	690 U	33 J	720 U	610 U	7200	16000	870 U	2000	520 U	720 U	630 U	2700 U	29 J	67 J	760 U	760 U	25 J	2200 U	3100 U	450 U	3100 U	110000
	09/08/10	ORIG	8800	790	46 U	46 U	46 U	46 U	1100	46 U	46 U	8.8 J	92 U	46 U	87	150	46 U	85 J	46 U	46 U	46 U	28 J	7 J	6.5 J	46 U	46 U	46 U	13 J	230 U	46 U	230 U	11000
	01/12/11	ORIG	1500	100	1.6 J	7.6 U	7.6 U	7.6 U	83	7.6 U	7.6 U	1.6 J	15 U	2.7 J	5.9 J	8.8	7.6 U	32 J	7.6 U	7.6 U	7.6 U	13 J	4.3 J	7.8	7.6 U	2.3 J	1.4 J	2 J	38 U	7.6 U	38 U	1800
	04/11/11	ORIG	1800	150	1.3 J	7.5 U	7.5 U	7.5 U	140	7.5 U	7.5 U	2 J	15 U	7.5 U	12	13	7.5 U	83	12	7.5 U	1.7 J	37 U	4.4 J	19	3.6 J	11	7.8	2.2 J	2.5 J	7.5 U	37 U	2300
	06/30/11	ORIG	1400	100	7.8 U	7.8 U	7.8 U	7.8 U	86	2 J	7.8 U	7.8 U	16 U	7.8 U	11	11	0.81 J	45	7.8 U	7.8 U	7.8 U	39 U	2.6 J	3.1 J	16	21	7.3 J	39 U	39 U	7.8 U	39 U	1700
	09/07/11	ORIG	1100	72	7.5 U	7.5 U	7.5 U	7.5 U	72	7.5 U	7.5 U	7.5 U	15 U	7.5 U	11	12	0.64 J	120	17	20	7.5 U	11 J	1.7 J	9.2	3.2 J	15	5.7 J	37 U	37 U	7.5 U	37 U	1500
	12/20/11	ORIG	480	33	0.44 J	1.7 U	1.7 U	1.7 U	33	1.7 U	1.7 U	0.25 J	3.5 U	1.7 U	4.2	4.7	0.58 J	15	1.7 U	1.7 U	1.7 U	8.7 U	0.71 J	0.42 J	1.7 U	0.61 J	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	570
	03/27/12	ORIG	480	28	2 U	2 U	2 U	2 U	29	2 U	2 U	2 U	2 U	20 U	4 U	6 U	2 U	9	6 U	6 U	8 U	8 U	2 U	2 U	2 U	8 U	2 U	20 U	8 U	2 U	40 U	550
	06/11/12	ORIG	370	31	0.5 U	0.5 U	0.5 U	0.5 U	34	0.5 U	0.5 U	0.5 U	0.53	5 U	5.1	5.7	0.57	44	1.5 U	1.5 U	2 U	2 U	0.52	0.84	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	490
VMP-20	06/09/10	ORIG	250000	4100	2100	1900 U	290 J	490 J	6500	1900 U	1900 U	370 J	3700 U	1900 U	220 J	1200 J	1900 U	11000	1900 U	1900 U	1900 U	9400 U	190 J	470 J	1900 U	1900 U	1900 U	9400 U	9400 U	1900 U	9400 U	280000
	09/08/10	ORIG	1500	72	2.9 J	7.4 U	7.4 U	2.3 J	95	7.4 U	1.7 J	21	15 U	7.4 U	47	140	1.1 J	39	7.4 U	3 J	7.4 U	7.1 J	1.7 J	4.2 J	7.4 U	2 J	0.83 J	2.4 J	37 U	7.4 U	37 U	1900
	01/12/11	ORIG	460	12	4	2.6 U	2.6 U	0.4 J	3.7	2.6 U	0.51 J	0.81 J	5.2 U	2.6 U	1.8 J	20	0.48 J	75	2.7	2.6 U	2.6 U	1 J	1 J	3.9	4	15	7.6	1.3 J	13 U	2.6 U	13 U	620
	04/11/11	ORIG	430	8.1	4.6	2.1 U	2.1 U	2.1 U	21	2.1 U	2.1 U	0.65 J	4.2 U	2.1 U	4.7	23	0.94 J	19	2.1 U	2.1 U	2.1 U	3.9 J	0.73 J	0.16 J	2.1 U	2.1 U	2.1 U	11 U	11 U	2.1 U	1.6 J	520
	06/30/11	ORIG	8	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.87 J	1.7 U	1.7 U	1.7 U	0.84 J	0.36 J	1 J	5.6	0.6 J	150	2.4	1.7 U	1.7 U	8.7 U	0.36 J	1.7	1.7 U	0.57 J	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	170
	09/07/11	ORIG	53	8.6	1.8 U	1.8 U	1.8 U	1.8 U	2	1.8 U	1.8 U	1.1 J	0.93 J	1.8 U	2.5	6.5	0.57 J	190	33	1.8 U	1.8 U	0.92 J	0.49 J	0.88 J	1.8 U	1.8 U	1.8 U	9 U	0.6 J	1.8 U	9 U	300
	12/20/11	ORIG	140	14	1.7 U	1.7 U	1.7 U	1.7 U	14	1.7 U	1.7 U	3	3.5 U	1.7 U	4.1	22	0.69 J	13	2.9	1.7 U	1.7 U	8.7 U	0.36 J	0.38 J	1.7 U	1.7 U	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	220
	03/27/12	ORIG	67	7.4	0.6 U	0.6 U	0.6 U	0.6 U	15	0.6 U	0.6 U	2.4	0.6 U	6 U	3.7	18	0.74	16	1.8 U	1.8 U	2.4 U	2.4 U	0.6 U	0.6 U	0.6 U	2.4 U	0.6 U	6 U	2.4 U	0.6 U	12 U	130
	06/11/12	ORIG	33	5.8	0.5 U	0.5 U	0.5 U	0.5 U	5.9	0.5 U	0.5 U	2.8	0.63	5 U	1.8	7.5	0.61	37	1.5 U	1.5 U	2 U	2 U	0.5 U	1.8	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	100
VMP-21	06/09/10	ORIG	47000	19000	1100 U	1100 U	370	800 U	4400	790 U	610	200	820 U	690 U	600	480	980 U	2800	140 J	810 U	710 U	3100 U	41 J	110 J	860 U	860 U	26 J	2400 U	3500 U	510 U	3500 U	76000
	09/08/10	ORIG	5000	1200	22 U	22 U	19 J	6.5 J	22	22 U	22 U	28	44 U	22 U	3.9 J	8.4 J	22 U	51 J	22 U	22 U	22 U	110 U	6.1 J	2.8 J	22 U	22 U	22 U	110 U	110 U	22 U	110 U	6300
	01/12/11	ORIG	810	92	0.37 J	0.82 J	3.5 U	1.4 J	5.1	3.5 U	3.5 U	2 J	7 U	1.1 J	1.9 J	1.8 J	0.6 J	25	3.5 U	3.5 U	0.59 J	5.3 J	2.4 J	4	0.54 J	1.6 J	1 J	1.2 J	17 U	3.5 U	17 U	960
	04/11/11	ORIG	540	64	1.5 J	0.55 J	5 U	5 U	25	5 U	5 U	5 U	10 U	5 U	2.3 J	3 J	0.95 J	150	5	5 U	5 U	6.7 J	24	90	14	78	23	3.1 J	12 J	5 U	25 U	1000
	06/30/11	ORIG	120	20	1.9 U	1.9 U	1.9 U	1.9 U	1.2 J	1.9 U	1.9 U	1.9 U	3.7 U	1.9 U	1.9 U	0.55 J	0.69 J	56	11	1.9 U	1.9 U	6.5 J	0.47 J	0.43 J	1.9 U	1.9 U	1.9 U	9.4 U	9.4 U	1.9 U	9.4 U	220
	09/07/11	ORIG	160	15	0.57 J	1.9 U	1.9 U	1.9 U	2.5	1.9 U	1.9 U	1.9 U	0.85 J	1.9 U	1.9 U	4.2	0.67 J	120	12	1.9 U	1.9 U	4.3 J	0.89 J	0.68 J	0.097 J	1.9 U	1.9 U	9.7 U	9.7 U	1.9 U	9.7 U	320
	12/20/11	ORIG	99	14	1.7 U	1.7 U	1.7 U	1.7 U	2.3	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	0.65 J	0.62 J	12	1.7 U	1.7 U	1.7 U	2.7 J	0.39 J	0.43 J	1.7 U	1.7 U	1.7 U	8.7 U	8.7 U	1.7 U	2.6 J	130
	03/27/12	ORIG	22	3.3	0.63 U	0.63 U	0.63 U	0.63 U	0.68	0.63 U	0.63 U	0.63 U	0.63 U	6.3 U	1.3 U	1.9 U	0.64	10	1.9 U	1.9 U	2.5 U	2.5 U	0.63 U	0.63	0.63 U	2.5 U	0.63 U	6.3 U	2.5 U	0.63 U	13 U	37
	06/11/12	ORIG	25	4.5	0.5 U	0.5 U	0.5 U	0.5 U	0.79	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.63	71	1.5 U	1.5 U	2 U	2.5	1.4	1.2	0.53	2 U	0.5 U	5 U	2 U	0.5 U	10 U	110
VMP-22	06/09/10	ORIG	74000	15000	2700 U	2700 U	240 J	2000 U	14000	1900 U	1000	410 J	2000 U	1700 U	1000	3100	2400 U	1900 J	1400 U	2000 U	1800 U	7600 U	65 J	110 J	2100 U	2100 U	2100 U	6000 U	8600 U	1200 U	8800 U	110000

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VMP-22	06/09/10	DUP	75000	15000	2700 U	2700 U	230 J	2000 U	15000	1900 U	1100	420 J	2000 U	1700 U	1000	3200	2400 U	2900	1400 U	2000 U	1800 U	7600 U	64 J	150 J	2100 U	2100 U	2100 U	6000 U	8600 U	1200 U	8600 U	110000
	09/08/10	ORIG	10000	1600	24 J	48 J	39 J	41 J	210	71 U	18 J	140	140 U	15 J	270	4000	8.2 J	730	120	71 U	9.2 J	350 U	20 J	60 J	20 J	41 J	15 J	32 J	47 J	71 U	350 U	18000
	01/12/11	ORIG	1400	280	6.9 U	15	6.9 U	2.6 J	12	6.9 U	2.4 J	5.8 J	14 U	3.3 J	1.5 J	2.9 J	0.81 J	65	6.9 U	6.9 U	6.9 U	9.8 J	3.1 J	8.4	1.2 J	3.9 J	2 J	34 U	34 U	6.9 U	3.5 J	1800
	04/11/11	ORIG	640	200	0.75 J	7.1	5.6 U	5.6 U	17	5.6 U	1.6 J	4.3 J	3 J	1.8 J	3.2 J	8.5	1.2 J	130	13	5.6 U	5.6 U	9 J	12	190	48	210	74	5.6 J	5.3 J	5.6 U	28 U	1600
	06/30/11	ORIG	510	49	0.84 J	2 J	2.9 U	2.9 U	2.5 J	2.9 U	2.9 U	1.3 J	1.2 J	2.9 U	2.9 U	0.78 J	0.66 J	110	23	2.9 U	2.9 U	1.7 J	0.87 J	0.6 J	2.9 U	2.9 U	2.9 U	14 U	14 U	2.9 U	5.5 J	710
	09/07/11	ORIG	260	23	3.4	0.62 J	1.9 U	1.9 U	3.3	1.9 U	0.7 J	0.97 J	1.7 J	1.6 J	1.9 U	0.75 J	0.66 J	48	4.5	1.9 U	1.9 U	9.4 U	0.71 J	0.96 J	0.13 J	1.9 U	1.9 U	9.4 U	9.4 U	1.9 U	3.2 J	350
	12/20/11	ORIG	150	11	0.4 J	0.65 J	1.7 U	1.7 U	1.9	1.7 U	0.6 J	0.84 J	3.4 U	1.4 J	1.7 U	0.77 J	0.61 J	16	2.6	1.7 U	1.7 U	8.4 U	1.7 U	0.43 J	1.7 U	1.7 U	1.7 U	8.4 U	8.4 U	1.7 U	8.4 U	190
	03/27/12	ORIG	50	5.5	0.6 U	0.6 U	0.6 U	0.6 U	1.1	0.6 U	0.6 U	0.6 U	0.6 U	6 U	1.2 U	1.8 U	0.68	14	1.8 U	1.8 U	2.4 U	2.4 U	0.6 U	0.6 U	0.6 U	2.4 U	0.6 U	6 U	2.4 U	0.6 U	12 U	71
	06/11/12	ORIG	42	9.7	1.1	0.5 U	0.5 U	0.5 U	2.1	0.5 U	0.5 U	0.5 U	0.85	5 U	1 U	1.5 U	0.62	51	2.1	1.5 U	2 U	2 U	0.5 U	1.8	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	120
VMP-23	06/09/10	ORIG	100000	9500	4200 U	4200 U	3100 U	3100 U	79000	3100 U	3100 U	3800 U	3200 U	2700 U	8600	29000	3800 U	3900	2300 U	3200 U	2800 U	550 J	75 J	220 J	3400 U	3400 U	79 J	9600 U	14000 U	2000 U	14000 U	230000
	09/08/10	ORIG	30000	2200	210 U	210 U	38 J	210 U	1400	210 U	210 U	44 J	420 U	210 U	210 U	77 J	210 U	670 J	210 U	210 U	210 U	640 J	23 J	57 J	210 U	210 U	210 U	54 J	1000 U	210 U	1000 U	35000
	09/08/10	DUP	41000	3300	260 U	260 U	46 J	260 U	2000	260 U	260 U	260 U	520 U	260 U	260 U	55 J	260 U	1100 J	260 U	260 U	260 U	760 J	32 J	75 J	260 U	260 U	260 U	140 J	1300 U	260 U	1300 U	49000
	01/12/11	ORIG	12000	390	67 U	67 U	67 U	67 U	110	67 U	67 U	16 J	130 U	67 U	67 U	67 U	67 U	130 J	67 U	67 U	67 U	25 J	27 J	40 J	67 U	67 U	67 U	340 U	340 U	67 U	340 U	13000
	04/11/11	ORIG	6200	230	39 U	39 U	39 U	39 U	180	39 U	39 U	19 J	78 U	39 U	5 J	9.6 J	39 U	260	39 U	39 U	8.6 J	190 U	10 J	14 J	39 U	11 J	5.5 J	190 U	190 U	39 U	190 U	7000
	06/30/11	ORIG	1700	37	9 U	9 U	2.9 J	9 U	42	9 U	9 U	18	18 U	2.4 J	9 U	3.3 J	0.94 J	62	9 U	9 U	6.3 J	6.4 J	3.4 J	9.3	3.8 J	6.8 J	4 J	45 U	3 J	9 U	45 U	1900
	09/07/11	ORIG	790	15	3.6 U	3.6 U	3.6 U	3.6 U	22	3.6 U	3.6 U	2.7 J	7.2 U	3.6 U	3.6 U	2.1 J	3.6 U	53	4.7	3.6 U	4.4	22	1.3 J	2.2 J	3.6 U	0.96 J	3.6 U	18 U	18 U	3.6 U	18 U	920
	12/20/11	ORIG	1100	22	5.2 U	5.2 U	5.2 U	5.2 U	41	5.2 U	5.2 U	5.2	10 U	5.2 U	5.2 U	3.3 J	0.73 J	23 J	5.2 U	5.2 U	8.7	26 U	2.3 J	21	5.2	27	8	26 U	26 U	5.2 U	26 U	1300
	03/27/12	ORIG	630	12	2.5 U	2.5 U	2.5 U	2.5 U	27	2.5 U	2.5 U	2.5 U	2.5 U	25 U	5 U	7.5 U	2.5 U	16	7.5 U	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	690
	06/11/12	ORIG	420	13	0.5 U	0.5 U	0.5 U	0.5 U	25	0.5 U	0.5 U	1.8	0.68	5 U	1 U	1.9	0.5 U	44	1.6	1.5 U	4.5	2 U	0.69	1.5	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	520
VMP-24	06/09/10	ORIG	85000 J	10000 J	4200 U	4200 U	120 J	3100 U	37000 J	3100 U	3100 U	630 J	3200 U	2700 U	4200 J	13000 J	3800 U	2500 J	2300 U	3200 U	2800 U	890 J	93 J	88 J	3400 U	3400 U	3400 U	9600 U	14000 U	2000 U	14000 U	150000
	06/09/10	DUP	120000 J	14000 J	4200 U	4200 U	170 J	3100 U	51000 J	3100 U	3100 U	810	3200 U	2700 U	5800 J	18000 J	3800 U	2800 J	2300 U	3200 U	2800 U	12000 U	130 J	570 J	720 J	1800	630 J	9600 U	14000 U	2000 U	14000 U	220000
	09/08/10	ORIG	13000	970	69 U	69 U	9.9 J	69 U	320	69 U	69 U	59 J	140 U	69 U	13 J	27 J	69 U	440	67 J	69 U	8.5 J	340 U	12 J	36 J	7.1 J	69 U	6.3 J	340 U	27 J	69 U	340 U	15000
	01/12/11	ORIG	3200	86	23 U	23 U	23 U	23 U	30	23 U	23 U	4.1 J	46 U	23 U	23 U	7 J	23 U	36 J	23 U	23 U	8.9 J	11 J	10 J	9.8 J	23 U	23 U	23 U	110 U	110 U	23 U	110 U	3400
	04/11/11	ORIG	1100	47	1.1 J	2.8 J	7.4 U	7.4 U	45	7.4 U	7.4 U	2 J	2.7 J	7.4 U	3.8 J	7.2 J	1.1 J	120	12	6.5 J	14	4 J	4.1 J	17	4.8 J	14	8	3.2 J	6.8 J	7.4 U	37 U	1400
	06/30/11	ORIG	570	23	4 U	4 U	4 U	4 U	39	4 U	4 U	0.71 J	8.1 U	4 U	2.6 J	3.8 J	0.84 J	84	11	4 U	11	3.7 J	1.6 J	4.5	0.8 J	1.9 J	0.87 J	3.1 J	1.9 J	4 U	20 U	760
	09/07/11	ORIG	960	42	8.4 U	8.4 U	8.4 U	8.4 U	72	8.4 U	8.4 U	1.7 J	17 U	8.4 U	6.4 J	9	0.64 J	75	8.4 U	20	7.4 J	13 J	8.4 U	1.2 J	8.4 U	8.4 U	8.4 U	8.6 J	42 U	8.4 U	42 U	1200
	12/20/11	ORIG	570	15	3.4 U	3.4 U	3.4 U	3.4 U	11	3.4 U	3.4 U	0.65 J	6.7 U	3.4 U	3.4 U	1.3 J	0.58 J	16 J	3.4 U	3.5	5.7	3.6 J	1.7 J	11	2.8 J	14	4.2	17 U	17 U	3.4 U	17 U	660
	03/27/12	ORIG	250	5.4	0.5 U	0.5 U	0.5 U	0.5 U	7.3	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.66	3.8	1.5 U	1.5 U	4.6	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	270
	06/11/12	ORIG	54	3.4	0.5 U	0.5 U	0.5 U	0.5 U	3.6	0.5 U	0.5 U	0.5 U	0.75	5 U	1 U	1.5 U	0.59	69	3	1.5 U	2 U	2 U	0.5 U	1.7	0.5 U	2 U	0.6	5 U	2 U	0.5 U	10 U	140
VMP-25	06/09/10	ORIG	50000	3000	2100 U	2100 U	1600 U	1600 U	18000	1500 U	1500 U	1900 U	1600 U	1400 U	1600	4400	1900 U	1400 J	1100 U	1600 U	1400 U	6100 U	1200 U	79 J	43 J	1700 U	1700 U	4800 U	6900 U	990 U	6900 U	79000
	09/08/10	ORIG	1800	34	8.7 U	8.7 U	8.7 U	8.7 U	12	8.7 U	8.7 U	1.6 J	17 U	8.7 U	1.3 J	8.2 J	1.3 J	48	8.7 U	8.7 U	8.7 U	51	1.6 J	7.3 J	1.2 J	5.5 J	2.3 J	3.7 J	44 U	8.7 U	44 U	2000
	01/12/11	ORIG	310	7.3	1.7 U	1.7 U	1.7 U	1.7 U	6.2	1.7 U	1.7 U	0.52 J	3.4 U	1.7 U	0.75 J	0.29 J	0.8 J	74	2.9	1.7 U	1.7 U	8.6 U	1.5 J	2.8	0.35 J	0.98 J	0.46 J	1.6 J	0.5 J	1.7 U	8.6 U	410
	04/11/11	ORIG	340	9.5	2.2 U	2.2 U	2.2 U	2.2 U	9.5	2.2 U	2.2 U	0.4 J	4.5 U	2.2 U	0.83 J	1.5 J	0.7 J	110	16	2.2 U	2.2 U	1.7 J	7.7	2 J	2.2 U	2.2 U	0.25 J	2.6 J	11 U	2.2 U	11 U	500

Table D7
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	CMT	MC	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	4M2P	MTBE	Carbon disulfide	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	IPA	Hexane	VC	1,4-Dioxane	Total VOCs
VMP-25	06/30/11	ORIG	580	8.3	3.5 U	3.5 U	3.5 U	3.5 U	5.5	3.5 U	3.5 U	2.9 J	7 U	3.5 U	3.5 U	5.7	0.77 J	37	3.4 J	3.5 U	3.5 U	1.7 J	1.4 J	3.1 J	9.9	13	4.6	17 U	1.1 J	3.5 U	17 U	680
	09/07/11	ORIG	470	12	3.7 U	3.7 U	1.2 J	3.7 U	9.4	3.7 U	3.7 U	4.6	7.5 U	3.7 U	3.7 U	10	3.7 U	75	5.8	14	3.7 U	6.3 J	3.8	22	3.8	41	15	6.1 J	4.9 J	3.7 U	19 U	710
	12/20/11	ORIG	100	1.7 J	1.9 U	1.9 U	1.9 U	1.9 U	3	1.9 U	1.9 U	1.9 U	3.7 U	1.9 U	1.9 U	0.87 J	0.62 J	12	2.1	1.9 U	1.9 U	9.4 U	1.9 U	0.43 J	1.9 U	1.9 U	1.9 U	9.4 U	9.4 U	1.9 U	9.4 U	120
	03/27/12	ORIG	80	2.6	0.84 U	0.84 U	0.84 U	0.84 U	3.1	0.84 U	0.84 U	0.84 U	0.84 U	8.4 U	1.7 U	2.5 U	1	9.6	2.5 U	2.5 U	3.3 U	3.3 U	0.84 U	0.84 U	0.84 U	3.3 U	0.84 U	8.4 U	3.3 U	0.84 U	17 U	96
	06/11/12	ORIG	280	4.5	0.5 U	0.5 U	0.5 U	0.5 U	3.6	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	5.2	0.5 U	48	2	1.5 U	2 U	2 U	0.78	1.1	0.5 U	2 U	0.66	5 U	2 U	0.5 U	10 U	350
	06/11/12	DUP	300	5	0.5 U	0.5 U	0.5 U	0.5 U	4.2	0.5 U	0.5 U	0.5 U	0.67	5 U	1 U	5.9	0.67	42	1.8	1.5 U	2 U	2 U	0.96	0.67	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	360
VMP-26	10/06/10	ORIG	270	49	4.8 U	4.8 U	4.8 U	4.8 U	2 J	0.72 J	4.8 U	4.8 U	2.1 J	0.87 J	0.7 J	4.1 J	0.6 J	35	29	4.8 U	4.8 U	4.2 J	2.8 J	21	5.2	28	10	24 U	2.1 J	4.8 U	24 U	470
	01/12/11	ORIG	150	9.2	2.8	1.7 U	1.7 U	1.7 U	0.9 J	1.7 U	1.7 U	0.22 J	0.56 J	1.7 U	1.1 J	1.3 J	0.67 J	96	18	1.7 U	1.7 U	0.28 J	0.67 J	0.66 J	1.7 U	1.7 U	1.7 U	1.4 J	8.6 U	1.7 U	8.6 U	280
	04/11/11	ORIG	150	11	3	1.9 U	1.9 U	1.9 U	2.6	1.9 U	1.9 U	0.27 J	0.62 J	1.9 U	1.9	2.7	0.65 J	50	85	1.9 U	1.9 U	33	0.44 J	0.22 J	1.9 U	1.9 U	1.9 U	0.83 J	9.4 U	1.9 U	9.4 U	340
	06/30/11	ORIG	9.2	0.93 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.6 U	1.8 U	1.8 U	1.8 U	0.68 J	170	240	1.8 U	1.8 U	2 J	0.57 J	0.48 J	1.8 U	1.8 U	1.8 U	9 U	9 U	1.8 U	9 U	430
	09/07/11	ORIG	11	1.4 J	2.1 U	2.1 U	2.1 U	2.1 U	0.43 J	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	0.6 J	180	68	2.1 U	2.1 U	4 J	0.49 J	0.6 J	2.1 U	2.1 U	2.1 U	11 U	0.61 J	2.1 U	11 U	270
	12/20/11	ORIG	12	3.8	1.7 U	1.7 U	1.7 U	1.7 U	1.2 J	1.7 U	1.7 U	1.7 U	1.5 J	1.7 U	1.7 U	1.7 U	0.61 J	51	1.4 J	1.7 U	1.7 U	0.66 J	0.38 J	0.38 J	1.7 U	1.7 U	1.7 U	8.7 U	8.7 U	1.7 U	8.7 U	73
	03/27/12	ORIG	1.9	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	5.9 U	1.2 U	1.8 U	0.7	11	1.8 U	1.8 U	2.4 U	2.4 U	0.59 U	0.59 U	0.59 U	2.4 U	0.59 U	5.9 U	2.4 U	0.59 U	12 U	14
	06/11/12	ORIG	4.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	5 U	7.5 U	2.5 U	200	69	7.5 U	10 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	25 U	10 U	2.5 U	50 U	270
VMP-27	10/08/10	ORIG	37	3.2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.49 J	1.9 U	1.3 J	1.9 J	1.9 U	0.53 J	0.45 J	0.62 J	41	15	1.9 U	1.9 U	6.3 J	1.2 J	0.79 J	0.3 J	0.85 J	0.69 J	0.59 J	0.5 J	1.9 U	9.5 U	110
	01/12/11	ORIG	150	11	1.7 U	1.7 U	1.7 U	1.7 U	3.4	1.7 U	1.7 U	1.3 J	3.4 U	1.7 U	1.9	3	0.78 J	92	9.3	1.7 U	1.7 U	0.32 J	0.44 J	1.7 U	1.7 U	1.7 U	1.7 U	1.3 J	8.4 U	1.7 U	8.4 U	270
	04/11/11	ORIG	940	43	3.6 J	5.1 U	5.1 U	5.1 U	4.1 J	5.1 U	5.1 U	1.5 J	10 U	5.1 U	1.3 J	2.7 J	0.63 J	37	17	5.1 U	5.1 U	3.8 J	3.6 J	14	2.5 J	16	5.1	25 U	0.78 J	5.1 U	25 U	1100
	06/30/11	ORIG	1.1 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.7 U	1.8 U	1.8 U	1.8 U	0.65 J	77	71	1.8 U	1.8 U	3.3 J	1.8 U	0.6 J	1.8 U	1.8 U	1.8 U	9.2 U	9.2 U	1.8 U	9.2 U	150
	09/07/11	ORIG	4	0.44 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	0.89 J	1.9 U	1.9 U	1.9 U	0.66 J	120	86	1.9 U	1.9 U	1.5 J	0.49 J	0.8 J	1.9 U	1.9 U	1.9 U	9.4 U	9.4 U	1.9 U	9.4 U	220
	12/20/11	ORIG	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U	1.7 U	1.7 U	0.72 J	8.2 J	1.7 U	1.7 U	1.7 U	1.6 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.4 U	8.4 U	1.7 U	8.4 U	11
	03/27/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.68	12	1.5 U	1.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	13
	06/11/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	1.5 U	0.56	35	7.6	1.5 U	2 U	2 U	0.5 U	1	0.5 U	2 U	0.5 U	5 U	2 U	0.5 U	10 U	48

Notes:

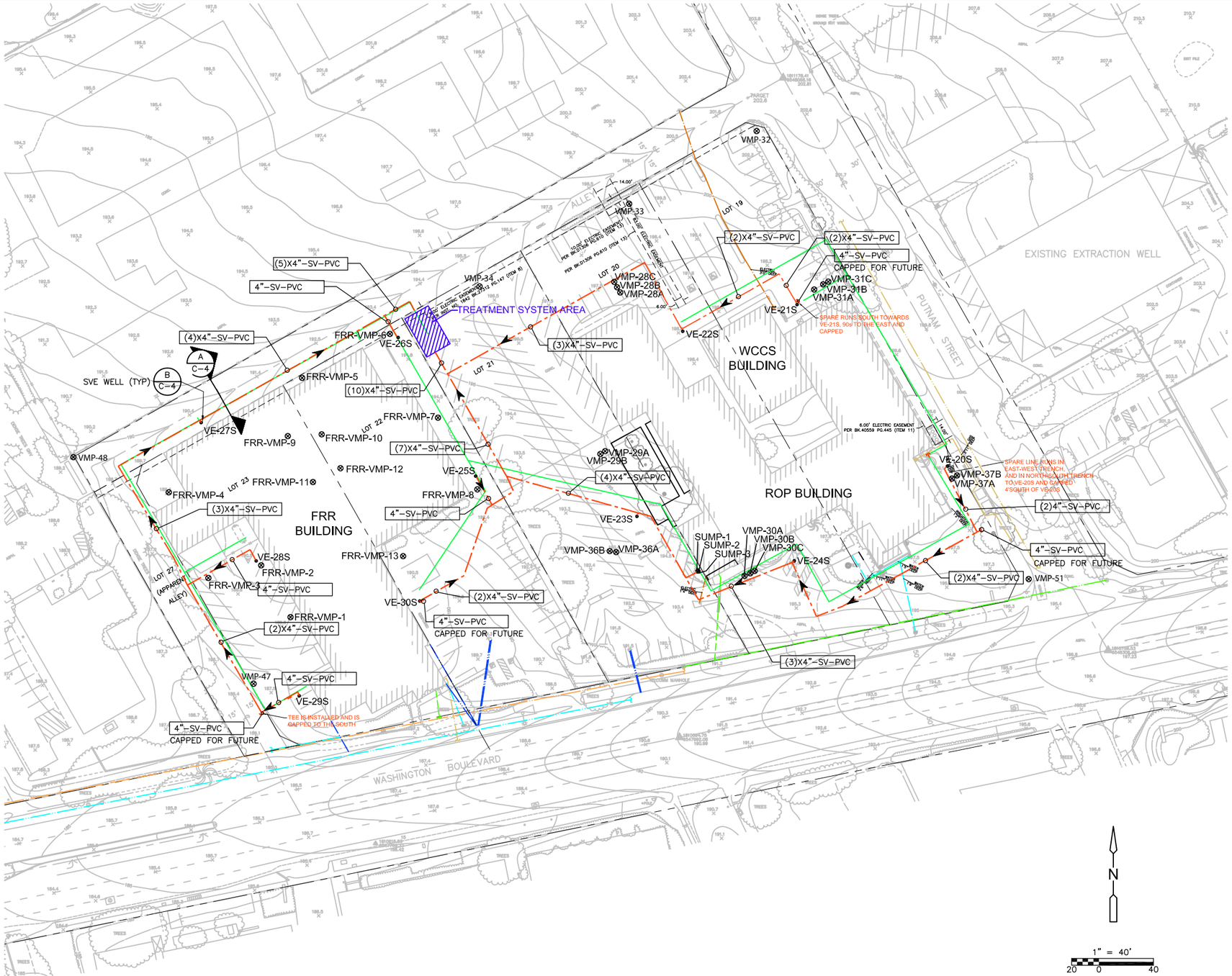
Concentrations are reported in parts per billion by volume (ppbv)
Only the most frequently detected compounds are presented in this table.
VOCs analyzed by EPA Method TO-15.

U = Not detected at a concentration greater than the reporting limit shown.

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCA = Dichloroethane; DCE = Dichloroethene; CFM = Chloroform; CMT = Chloromethane; MC = Methylene chloride; Freon 11 = Trichlorofluoromethane; Freon 113 = 1,1,2-Trihloro-1,2,2-trifluoroethane; Freon 12 = Dichlorodifluoromethane; 4M2P = 4-Methyl-2-Pentanone; MTBE = Methyl tert-butyl ether; IPA = Isopropyl alcohol, VC = Vinyl Chloride.

Sample Type:
ORIG = Original sample
DUP = Duplicate sample

Attachment E – Interim Soil Vapor Extraction System 2 (ISVE2) Figures and Tables



LINETYPE LEGEND

- QUALITY LEVEL D ("AS-BUILTS")
- QUALITY LEVEL C (D+SURFACE CULTURE)
- QUALITY LEVEL B (ELECTRONIC DETECTION)
- QUALITY LEVEL A (POTHOLING)
- ANTICIPATED LOCATION

COLOR LEGEND

- STORM/DRAINAGE
- ELECTRIC
- WATER
- SEWER
- GAS/PETROLEUM
- TELECOM/CABLE
- RECLAIMED WATER
- CONVEYANCE TRENCH C/L
- CONVEYANCE LINE (ABOVE GROUND)
- VE-25S ● EXTRACTION WELL AND DESIGNATION
- SUMP 1 ▲ CONDENSATE COLLECTION SUMP
- VMP1 ⊗ VMP LOCATION AND DESIGNATION

ABBREVIATIONS

(EOS)	END OF SIGNAL DETECTION
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
PVC	POLYVINYL CHLORIDE PIPE
SD	STORM DRAIN PIPELINE
E	ELECTRICAL LINE
W	WATER PIPELINE
S	SANITARY SEWER PIPELINE
G	GAS/PETROLEUM PIPELINE
TC	TELECOMMUNICATIONS/CABLE
R	RECLAIMED WATER PIPELINE
INV	INVERT OF PIPE
d	DEPTH TO SIGNAL

TOPOGRAPHY LEGEND:

- UNK CIRCLE VARIABLE ANNO.
- VALVE
- FP FLAG POLE
- SIGN
- LARGE SIGN
- FIRE HYDRANT
- POWER POLE
- POWER/LIGHT POLE
- LIGHT POLE
- POST
- ELECTROLIER
- TRAFFIC SIGNAL
- TRAFFIC/LIGHT POLE
- TRAFFIC SIGNAL ARM
- POLE POLE
- SP STAND PIPE
- WH WELLHEAD
- ℄ CENTERLINE
- SURVEY MONUMENT
- HANDICAP AREA
- METER
- MB MAILBOX
- MANHOLE
- TREE
- PALM TREE
- DRAIN INLET
- ANTENNA
- GUYWIRE
- ×0.0 SPOT ELEVATION
- CANOPY
- UNKNOWN PEDESTAL
- BFP BACKFLOW PREVENTION VALVE
- GAS VALVE
- IRCV IRRIGATION CONTROL VALVE
- WS WATER SPIGOT
- VW VAPOR WELL
- WM WATER METER

NOTES:

1. AS-BUILT SURVEY OF WELLS, TRENCH CENTERLINE, AND TREATMENT PAD CORNERS PERFORMED BY KDM MERIDIAN, INC ON 2/1/2012.
2. LINES ARE SLOPED TO WELLS OR SUMPS TO ALLOW CONDENSATE COLLECTION. ALL THREE LINES BY VMP-30A/B/C HAVE SUMPS INSTALLED AS SHOWN (SUMP-1, -2, AND -3). SUMPS FOR ALL LINES FROM THE NORTH SIDE OF WCCS/ROP HAVE SUMPS AT THE INFLUENT MANIFOLD (NOT SHOWN HERE). SUMPS ARE 8-INCH DIAMETER AND 28-INCH DEEP.
3. SEE DRAWING 1-3 FOR MORE PIPING DETAILS.

CALL BEFORE YOU DIG:
UNDERGROUND SERVICE ALERT OF
SOUTHERN CALIFORNIA
TWO WORKING DAYS BEFORE YOU DIG
1-800-227-2600

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	4/5/12	PJR	JTB	AS BUILT PER DEMAXIMIS
2	2/9/12	PJR	JTB	SURVEY AS-BUILT
1	11/8/11	PJR	NLS	30% DESIGN

DESIGNED BY: NLS
DRAWN BY: PJR
SHEET CHK'D BY: NLS
CROSS CHK'D BY: JTB
APPROVED BY: RS
DATE: APRIL 2012

CDM Smith
555 17th Street, Suite 1100
Denver, CO, 80202
Tel: (303) 383-2300

OMEGA CHEMICAL SUPERFUND SITE

12471 WASHINGTON BOULEVARD
WHITTER, CALIFORNIA

ISVE2 Plan View of Extraction Wells, Treatment Plant, and Conveyance Piping Routing

PROJECT NO. 10500-81846
FILE NAME: C-3SL
SHEET NO.
E-1

100% SUBMITTAL - NOT FOR CONSTRUCTION

C:\cdmxm\rieblep\d0713018\ C-3SL 04/05/12 13:13 rieblep XREFS: 11CDM02-Topo, Conveyance, CWPL-SL1, CDNS_2234-SVE2
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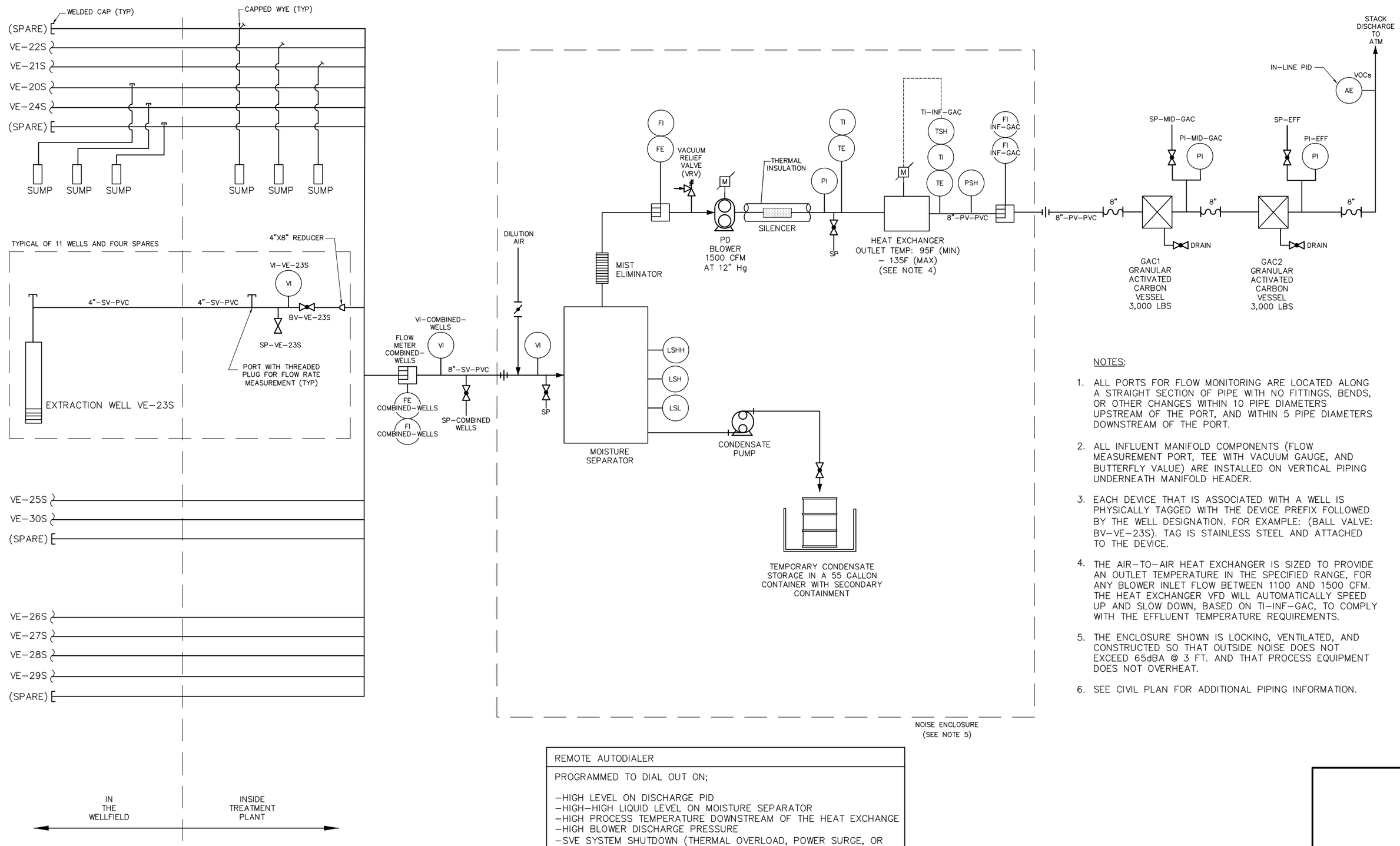

NOTES:

1. ALL PORTS FOR FLOW MONITORING ARE LOCATED ALONG A STRAIGHT SECTION OF PIPE WITH NO FITTINGS, BENDS, OR OTHER CHANGES WITHIN 10 PIPE DIAMETERS UPSTREAM OF THE PORT, AND WITHIN 5 PIPE DIAMETERS DOWNSTREAM OF THE PORT.
2. ALL INFLUENT MANIFOLD COMPONENTS (FLOW MEASUREMENT PORT, TEE WITH VACUUM GAUGE, AND BUTTERFLY VALUE) ARE INSTALLED ON VERTICAL PIPING UNDERNEATH MANIFOLD HEADER.
3. EACH DEVICE THAT IS ASSOCIATED WITH A WELL IS PHYSICALLY TAGGED WITH THE DEVICE PREFIX FOLLOWED BY THE WELL DESIGNATION. FOR EXAMPLE: (BALL VALVE: BV-VE-23S). TAG IS STAINLESS STEEL AND ATTACHED TO THE DEVICE.
4. THE AIR-TO-AIR HEAT EXCHANGER IS SIZED TO PROVIDE AN OUTLET TEMPERATURE IN THE SPECIFIED RANGE, FOR ANY BLOWER INLET FLOW BETWEEN 1100 AND 1500 CFM. THE HEAT EXCHANGER VFD WILL AUTOMATICALLY SPEED UP AND SLOW DOWN, BASED ON TI-INF-GAC, TO COMPLY WITH THE EFFLUENT TEMPERATURE REQUIREMENTS.
5. THE ENCLOSURE SHOWN IS LOCKING, VENTILATED, AND CONSTRUCTED SO THAT OUTSIDE NOISE DOES NOT EXCEED 65dBA @ 3 FT. AND THAT PROCESS EQUIPMENT DOES NOT OVERHEAT.
6. SEE CIVIL PLAN FOR ADDITIONAL PIPING INFORMATION.

REMOTE AUTODIALER
PROGRAMMED TO DIAL OUT ON; –HIGH LEVEL ON DISCHARGE PID –HIGH–HIGH LIQUID LEVEL ON MOISTURE SEPARATOR –HIGH PROCESS TEMPERATURE DOWNSTREAM OF THE HEAT EXCHANGE –HIGH BLOWER DISCHARGE PRESSURE –SVE SYSTEM SHUTDOWN (THERMAL OVERLOAD, POWER SURGE, OR OTHER UNLISTED CONDITIONS MAY TRIGGER SYSTEM SHUTDOWN)

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	4/5/12	PJR	JTB	AS–BUILT PER DEMAXIMIS
0	10/20/11	PJR	MJF	30% DESIGN

DESIGNED BY: MJF
DRAWN BY: PJR
SHEET CHK'D BY: MJF
CROSS CHK'D BY: JTB
APPROVED BY: RS
DATE: APRIL 2012

CDM Smith
555 17th. Street, Suite 1100
Denver, CO. 80202
Tel: (303) 383-2300

OMEGA CHEMICAL SUPERFUND SITE

12471 WASHINGTON BOULEVARD
WHITTER, CALIFORNIA

ISVE2 Piping and Instrumentation Diagram

PROJECT NO. 10500–81846
FILE NAME: I–3
SHEET NO.
E-2

100% SUBMITTAL - NOT FOR CONSTRUCTION

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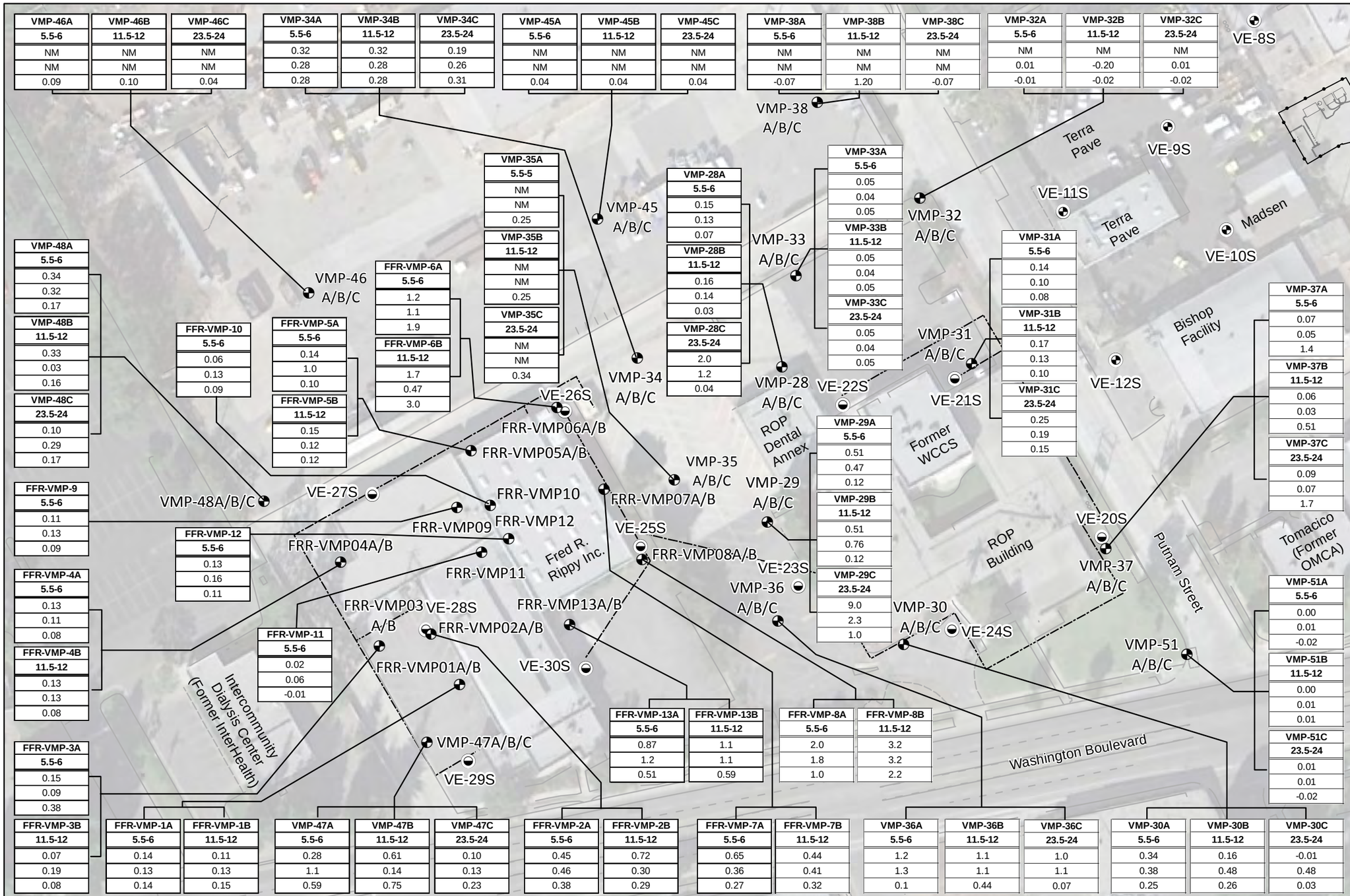


Legend
ISVE Expansion

- Soil Vapor Extraction 1 Well with Wellbox
- Soil Vapor Extraction 2 Well with Wellbox
- Soil Vapor Monitoring Probe
- Soil Vapor Extraction Conveyance Line
- Property Line
- Vault

Well Name
Screen Interval (ft bgs)
Measured vacuum on 4/18/2012 (in H_2O)
Measured vacuum on 5/2/2012 (in H_2O)
Measured vacuum on 6/12/2012 (in H_2O)

Notes:

Negative values indicate positive pressure

NM - Not measured

ft bgs - feet below ground surface

in H_2O - inches of water

Source: 11CDM02-Topo.dwg and Conveyance.DWG

N

75 37.5 0 75

Feet

1 inch = 75 feet

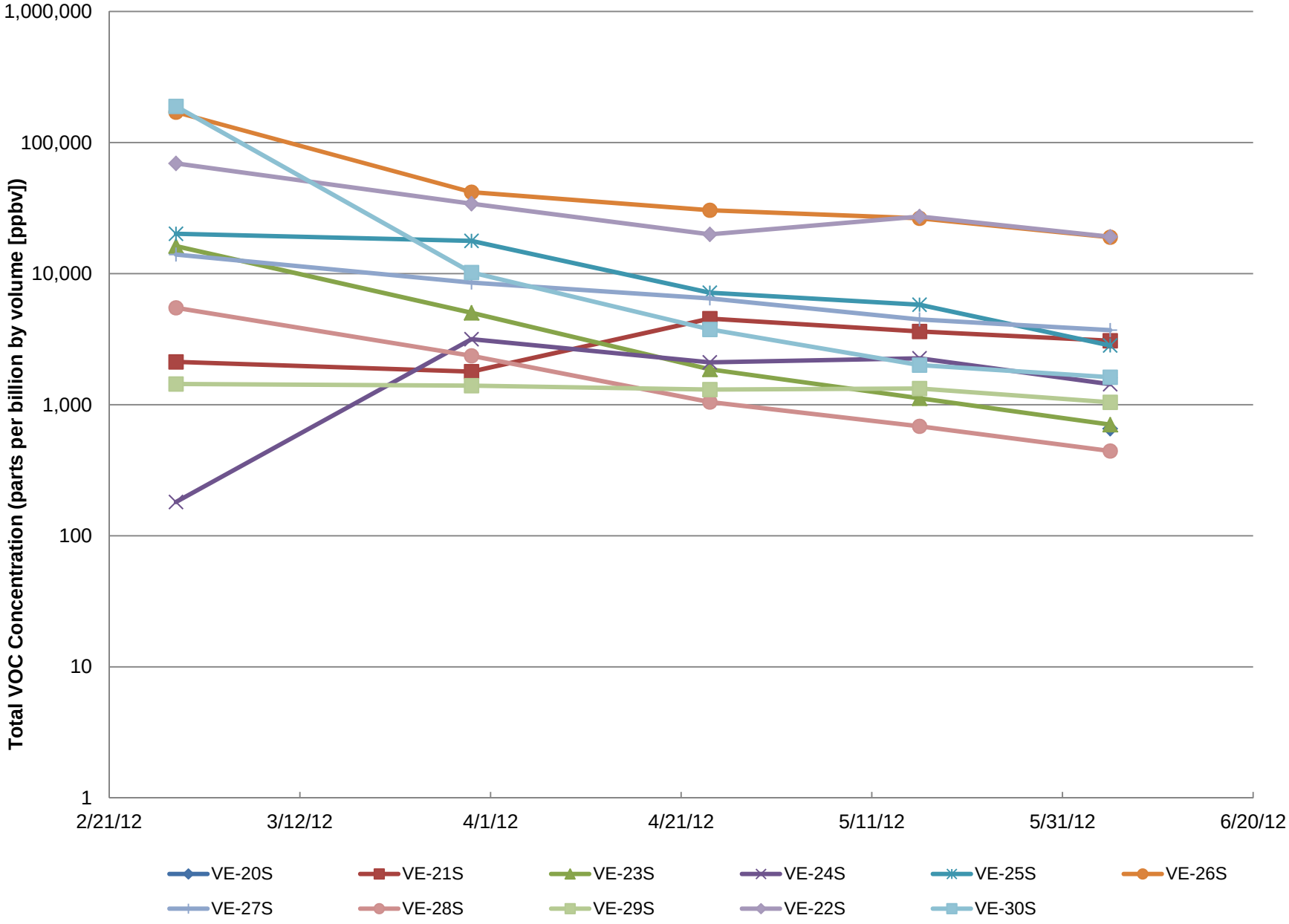
CDM Smith

Omega Chemical

ISVE2 Vacuum Influence Coverage Map

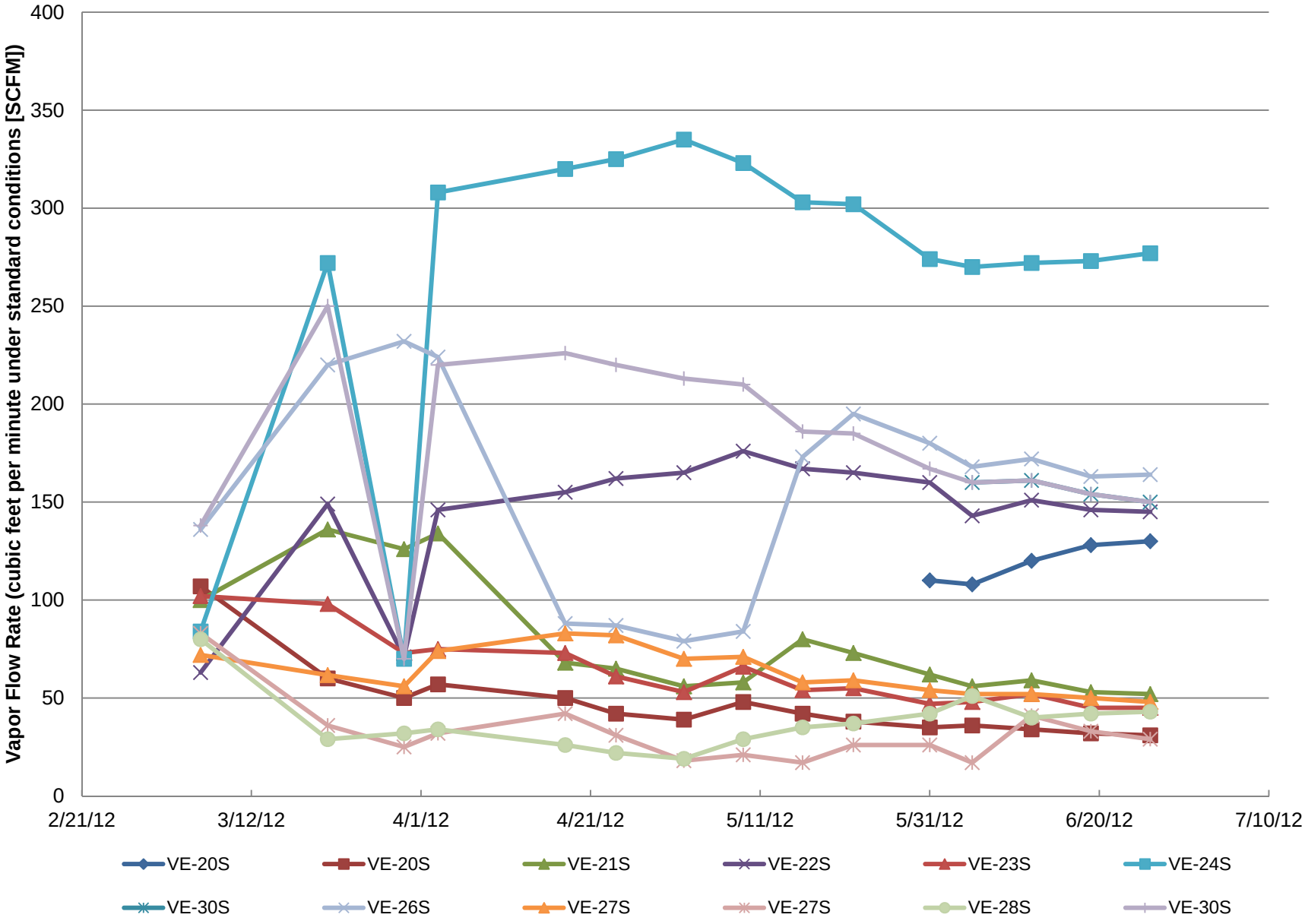
Figure E3

Figure E4 - ISVE2 VOC Concentration Trend at VEWs



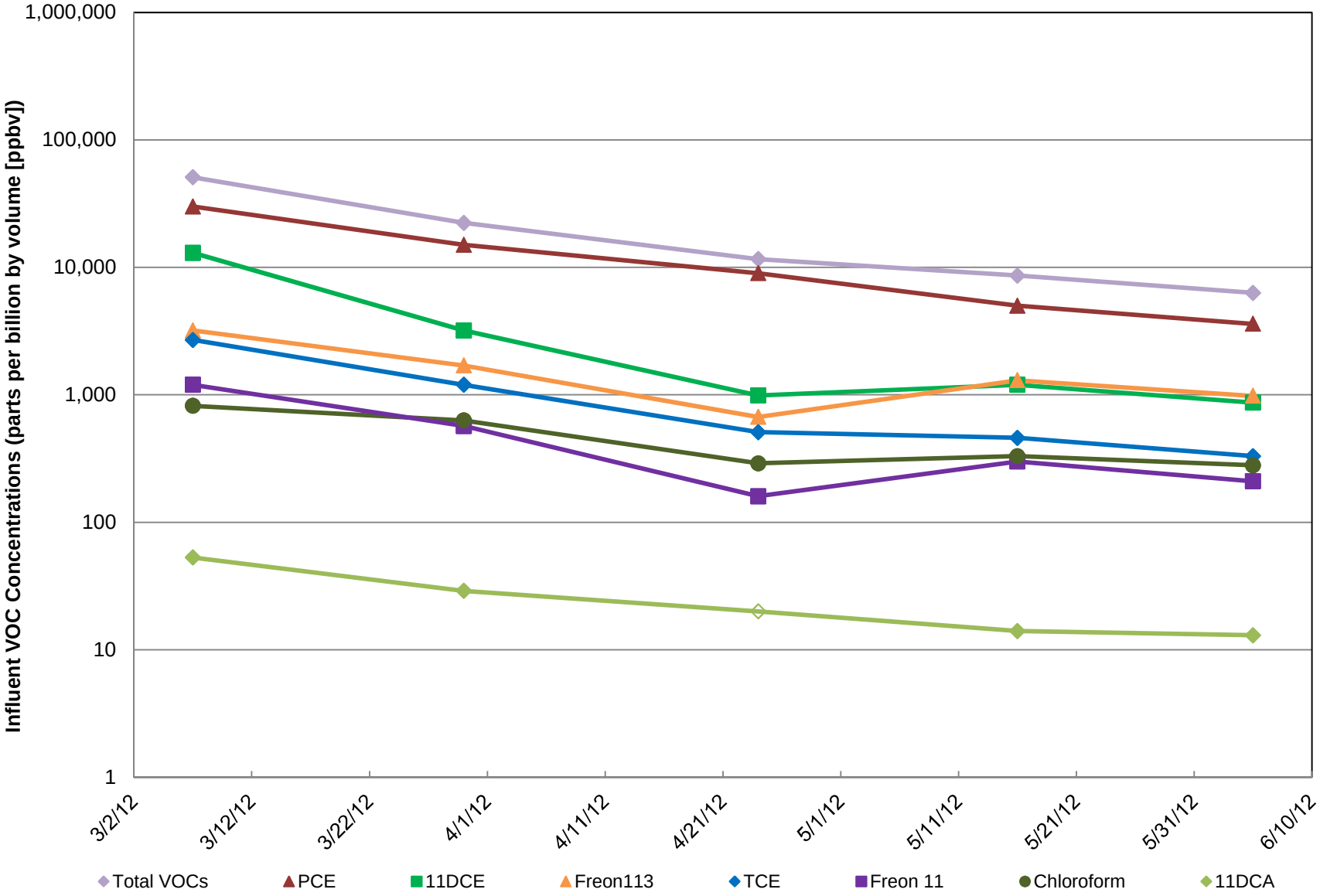
7/5/2012

Figure E5 - ISVE2 Vapor Extraction Rate at VEWs



7/5/2012

Figure E6 - ISVE2 Influent - Select Chlorinated VOC Concentrations



Note: Open symbol represent non-detected concentration

7/2/2012

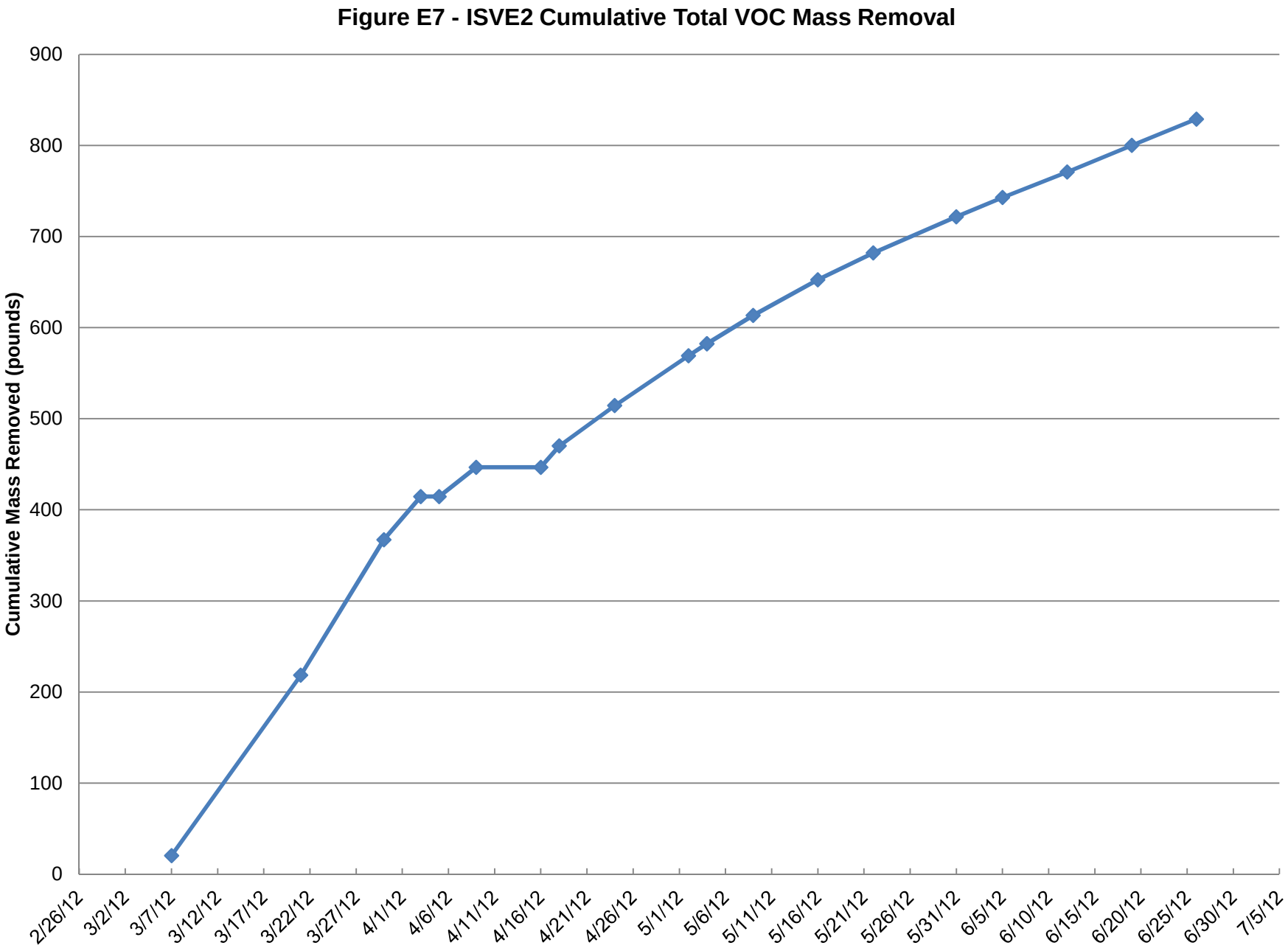


Figure E7 - ISVE2 Cumulative Total VOC Mass Removal
Cumulative Mass Removed (pounds)
900
800
700
600
500
400
300
200
100
0
2/26/12
3/2/12
3/7/12
3/12/12
3/17/12
3/22/12
3/27/12
4/1/12
4/6/12
4/11/12
4/16/12
4/21/12
4/26/12
5/1/12
5/6/12
5/11/12
5/16/12
5/21/12
5/26/12
5/31/12
6/5/12
6/10/12
6/15/12
6/20/12
6/25/12
6/30/12
7/5/12

7/24/2012

Table E1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VMP Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Vacuum (in H_2O)	PID Reading (ppmv)
FFR-VMP-1A	5.5 to 6	3/6/2012	0.09	18
		3/26/2012	0.14	15
		4/18/2012	0.14	0.9
		5/2/2012	0.13	1.7
		6/12/2012	0.14	0.9
FFR-VMP-1B	11.5 to 12	3/6/2012	0.08	38
		3/26/2012	0.13	53
		4/18/2012	0.11	3.8
		5/2/2012	0.13	1.0
		6/12/2012	0.15	0.2
FFR-VMP-2A	5.5 to 6	3/6/2012	0.72	14
		3/26/2012	0.56	4.0
		4/18/2012	0.45	1.5
		5/2/2012	0.46	0.8
		6/12/2012	0.38	0.1
FFR-VMP-2B	11.5 to 12	3/6/2012	0.51	45
		3/26/2012	0.00	52
		4/18/2012	0.72	3.5
		5/2/2012	0.30	1.6
		6/12/2012	0.29	0.6
FFR-VMP-3A	5.5 to 6	3/6/2012	0.03	3.1
		3/26/2012	0.00	0.0
		4/18/2012	0.15	3.5
		5/2/2012	0.09	1.4
		6/12/2012	0.38	1.9
FFR-VMP-3B	11.5 to 12	3/6/2012	0.02	3.9
		3/26/2012	0.07	0.0
		4/18/2012	0.07	5.5
		5/2/2012	0.19	1.0
		6/12/2012	0.08	0.0
FFR-VMP-4A	5.5 to 6	3/6/2012	0.09	3.4
		3/26/2012	0.12	0.0
		4/18/2012	0.13	0.5
		5/2/2012	0.11	1.0
		6/12/2012	0.08	0.0
FFR-VMP-4B	11.5 to 12	3/6/2012	0.06	5.2
		3/26/2012	0.11	0.0
		4/18/2012	0.13	10
		5/2/2012	0.13	1.0
		6/12/2012	0.08	0.0
FFR-VMP-5A	5.5 to 6	3/6/2012	0.03	18
		3/26/2012	0.26	1.4
		4/18/2012	0.14	0.8
		5/2/2012	1.0	1.7
		6/12/2012	0.10	1.3
FFR-VMP-5B	11.5 to 12	3/6/2012	0.10	120
		3/26/2012	0.33	2.1
		4/18/2012	0.15	0.6
		5/2/2012	0.12	1.8
		6/12/2012	0.12	1.0
FFR-VMP-6A	5.5 to 6	3/6/2012	2.1	10
		3/26/2012	3.7	0.0
		4/18/2012	1.2	0.7
		5/2/2012	1.1	1.9
		6/12/2012	1.9	0.2

Table E1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VMP Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Vacuum (in H_2O)	PID Reading (ppmv)
FFR-VMP-6B	11.5 to 12	3/6/2012	0.14	3.5
		3/26/2012	4.9	10
		4/18/2012	1.7	3.0
		5/2/2012	0.47	3.1
		6/12/2012	3.0	0.5
FFR-VMP-7A	5.5 to 6	3/6/2012	0.17	8.3
		3/26/2012	0.62	0.0
		4/18/2012	0.65	2.0
		5/2/2012	0.36	1.5
		6/12/2012	0.27	0.2
FFR-VMP-7B	11.5 to 12	3/6/2012	0.19	32
		3/26/2012	0.71	0.0
		4/18/2012	0.44	1.0
		5/2/2012	0.41	1.4
		6/12/2012	0.32	0.3
FFR-VMP-8A	5.5 to 6	3/6/2012	0.84	2.9
		3/26/2012	2.0	0.0
		4/18/2012	2.0	1.5
		5/2/2012	1.8	1.5
		6/12/2012	1.0	0.3
FFR-VMP-8B	11.5 to 12	3/6/2012	1.2	16
		3/26/2012	3.4	0.0
		4/18/2012	3.2	3.5
		5/2/2012	3.2	1.2
		6/12/2012	2.2	0.3
FFR-VMP-9	5.5 to 6	3/6/2012	0.12	580
		3/26/2012	0.15	65
		4/18/2012	0.11	9.5
		5/2/2012	0.13	3.1
		6/12/2012	0.09	0.4
FFR-VMP-10	5.5 to 6	3/6/2012	0.03	470
		3/26/2012	0.20	45
		4/18/2012	0.06	15
		5/2/2012	0.13	2.1
		6/12/2012	0.09	0.5
FFR-VMP-11	5.5 to 6	3/6/2012	0.04	420
		3/26/2012	0.07	230
		4/18/2012	0.02	71
		5/2/2012	0.06	93
		6/12/2012	-0.01	47
FFR-VMP-12	5.5 to 6	3/6/2012	0.10	720
		3/26/2012	0.23	33
		4/18/2012	0.13	5.8
		5/2/2012	0.16	4.7
		6/12/2012	0.11	1.0
FFR-VMP-13A	5.5 to 6	3/6/2012	0.59	63
		3/26/2012	1.3	0.0
		4/18/2012	0.87	7.0
		5/2/2012	1.2	2.1
		6/12/2012	0.51	0.2
FFR-VMP-13B	11.5 to 12	3/6/2012	0.66	190
		3/26/2012	1.4	0.0
		4/18/2012	1.1	11
		5/2/2012	1.1	2.0
		6/12/2012	0.59	1.4

Table E1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VMP Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-28A	5.5 to 6	3/6/2012	NM	NM
		3/26/2012	0.40	0.0
		4/18/2012	0.15	3.8
		5/2/2012	0.13	1.5
		6/12/2012	0.07	0.0
VMP-28B	11.5 to 12	3/6/2012	NM	NM
		3/26/2012	0.45	0.0
		4/18/2012	0.16	2.2
		5/2/2012	0.14	0.3
		6/12/2012	0.03	0.0
VMP-28C	23.5 to 24	3/6/2012	NM	NM
		3/26/2012	0.07	0.0
		4/18/2012	2.0	1.2
		5/2/2012	1.2	0.7
		6/12/2012	0.04	0.5
VMP-29A	5.5 to 6	3/6/2012	0.77	4.2
		3/26/2012	0.73	0.0
		4/18/2012	0.51	0.0
		5/2/2012	0.47	0.3
		6/12/2012	0.12	0.4
VMP-29B	11.5 to 12	3/6/2012	0.22	7.1
		3/26/2012	0.74	0.0
		4/18/2012	0.51	2.3
		5/2/2012	0.76	0.0
		6/12/2012	0.12	3.3
VMP-29C	23.5 to 24	3/6/2012	0.34	40
		3/26/2012	1.5	0.0
		4/18/2012	9.0	4.4
		5/2/2012	2.3	5.5
		6/12/2012	0.97	6.2
VMP-30A	5.5 to 6	3/6/2012	0.38	2.3
		3/26/2012	0.45	0.0
		4/18/2012	0.34	0.0
		5/2/2012	0.38	0.0
		6/12/2012	0.25	0.2
VMP-30B	11.5 to 12	3/6/2012	0.86	1.9
		3/26/2012	1.0	0.0
		4/18/2012	0.16	0.0
		5/2/2012	0.48	0.0
		6/12/2012	0.26	0.3
VMP-30C	23.5 to 24	3/6/2012	0.51	1.4
		3/26/2012	0.50	0.0
		4/18/2012	-0.01	0.0
		5/2/2012	0.48	0.0
		6/12/2012	0.03	1.1
VMP-31A	5.5 to 6	3/6/2012	0.15	0.6
		3/26/2012	0.23	0.0
		4/18/2012	0.14	0.0
		5/2/2012	0.10	0.3
		6/12/2012	0.08	0.0
VMP-31B	11.5 to 12	3/6/2012	0.17	1.4
		3/26/2012	0.25	0.0
		4/18/2012	0.17	0.5
		5/2/2012	0.13	0.2
		6/12/2012	0.10	0.0

Table E1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VMP Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-31C	23.5 to 24	3/6/2012	0.29	1.0
		3/26/2012	0.36	0.0
		4/18/2012	0.25	NM
		5/2/2012	0.19	0.0
		6/12/2012	0.15	0.0
VMP-32A	5.5 to 6	3/6/2012	0.01	6.8
		3/26/2012	NM	NM
		4/18/2012	NM	NM
		5/2/2012	0.01	1.2
		6/12/2012	-0.01	0.0
VMP-32B	11.5 to 12	3/6/2012	0.02	7.1
		3/26/2012	NM	NM
		4/18/2012	NM	NM
		5/2/2012	-0.20	1.0
		6/12/2012	-0.02	0.0
VMP-32C	23.5 to 24	3/6/2012	0.03	5.4
		3/26/2012	NM	NM
		4/18/2012	NM	NM
		5/2/2012	0.01	2.5
		6/12/2012	-0.02	0.6
VMP-33A	5.5 to 6	3/6/2012	0.05	4.8
		3/26/2012	0.21	0.0
		4/18/2012	0.05	3.5
		5/2/2012	0.04	2.0
		6/12/2012	0.05	0.0
VMP-33B	11.5 to 12	3/6/2012	0.04	9.7
		3/26/2012	0.21	2.6
		4/18/2012	0.05	8.0
		5/2/2012	0.04	3.2
		6/12/2012	0.05	0.8
VMP-33C	23.5 to 24	3/6/2012	0.04	14
		3/26/2012	0.19	39
		4/18/2012	0.05	19
		5/2/2012	0.04	6.0
		6/12/2012	0.05	15
VMP-34A	5.5 to 6	3/6/2012	0.34	300
		3/26/2012	1.0	64
		4/18/2012	0.32	8.0
		5/2/2012	0.28	3.2
		6/12/2012	0.28	0.9
VMP-34B	11.5 to 12	3/6/2012	0.35	400
		3/26/2012	1.0	350
		4/18/2012	0.32	13
		5/2/2012	0.28	19
		6/12/2012	0.28	9.2
VMP-34C	23.5 to 24	3/6/2012	0.23	21
		3/26/2012	0.25	21
		4/18/2012	0.19	9.5
		5/2/2012	0.26	5.2
		6/12/2012	0.31	8.5
VMP-35A	5.5 to 6	6/12/2012	0.25	0.0
VMP-35B	11.5 to 12	6/12/2012	0.25	0.3
VMP-35C	23.5 to 24	6/12/2012	0.34	1.3

Table E1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VMP Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-36A	5.5 to 6	3/6/2012	0.55	27
		3/26/2012	3.0	3.6
		4/18/2012	1.2	0.5
		5/2/2012	1.3	0.0
		6/12/2012	0.10	1.2
VMP-36B	11.5 to 12	3/6/2012	0.08	8.3
		3/26/2012	1.4	0.2
		4/18/2012	1.1	1.0
		5/2/2012	1.1	0.0
		6/12/2012	0.44	0.5
VMP-36C	23.5 to 24	3/6/2012	0.46	10
		3/26/2012	1.4	2.1
		4/18/2012	1.0	1.1
		5/2/2012	1.1	0.0
		6/12/2012	0.07	0.4
VMP-37A	5.5 to 6	3/6/2012	0.00	0.7
		3/26/2012	0.17	0.0
		4/18/2012	0.07	0.5
		5/2/2012	0.05	0.0
		6/12/2012	1.4	0.0
VMP-37B	11.5 to 12	3/6/2012	0.04	0.6
		3/26/2012	0.14	0.0
		4/18/2012	0.06	0.6
		5/2/2012	0.03	0.0
		6/12/2012	0.51	0.0
VMP-37C	23.5 to 24	3/6/2012	0.09	1.3
		3/26/2012	0.18	0.0
		4/18/2012	0.09	0.8
		5/2/2012	0.07	0.0
		6/12/2012	1.7	0.0
VMP-38A	5.5 to 6	6/12/2012	-0.07	230
VMP-38B	11.5 to 12	6/12/2012	1.2	250
VMP-38C	23.5 to 24	6/12/2012	-0.07	330
VMP-45A	5.5 to 6	6/12/2012	0.04	410
VMP-45B	11.5 to 12	6/12/2012	0.04	420
VMP-45C	23.5 to 24	6/12/2012	0.04	320
VMP-46A	5.5 to 6	6/12/2012	0.09	240
VMP-46B	11.5 to 12	6/12/2012	0.10	230
VMP-46C	23.5 to 24	6/12/2012	0.04	3.0
VMP-47A	5.5 to 6	3/6/2012	0.03	20
		3/26/2012	0.37	32
		4/18/2012	0.28	6.2
		5/2/2012	1.1	1.3
		6/12/2012	0.59	0.0
VMP-47B	11.5 to 12	3/6/2012	0.03	23
		3/26/2012	0.11	23
		4/18/2012	0.61	4.9
		5/2/2012	0.14	0.6
		6/12/2012	0.75	0.0
VMP-47C	23.5 to 24	3/6/2012	0.41	43
		3/26/2012	0.07	40
		4/18/2012	0.10	5.6
		5/2/2012	0.13	0.6
		6/12/2012	0.23	0.0

Table E1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VMP Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Vacuum (in H_2O)	PID Reading (ppmv)
VMP-48A	5.5 to 6	3/6/2012	NM	NM
		3/26/2012	NM	NM
		4/18/2012	0.34	2.1
		5/2/2012	0.32	3.3
		6/12/2012	0.17	0.0
VMP-48B	11.5 to 12	3/6/2012	NM	NM
		3/26/2012	NM	NM
		4/18/2012	0.33	4.0
		5/2/2012	0.03	1.3
		6/12/2012	0.16	0.0
VMP-48C	23.5 to 24	3/6/2012	NM	NM
		3/26/2012	NM	NM
		4/18/2012	0.10	3.6
		5/2/2012	0.29	4.7
		6/12/2012	0.17	0.0
VMP-51A	5.5 to 6	3/6/2012	0.01	1.3
		3/26/2012	0.06	0.0
		4/18/2012	0.00	0.1
		5/2/2012	0.01	0.0
		6/12/2012	-0.02	0.0
VMP-51B	11.5 to 12	3/6/2012	-0.02	1.0
		3/26/2012	0.06	0.0
		4/18/2012	0.00	0.1
		5/2/2012	0.01	0.0
		6/12/2012	0.01	0.0
VMP-51C	23.5 to 24	3/6/2012	0.00	0.7
		3/26/2012	0.06	0.0
		4/18/2012	0.01	0.5
		5/2/2012	0.01	0.0
		6/12/2012	-0.02	0.0

Notes:
*Additional wells installed in October 2010
**Converted to vapor extraction well in April 2011
E - Excceds PID range of detection
NM - Not measured.
ft bgs - feet below ground surface
ppmv - parts per million by volume
in H_2O - inches of water

Table E2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VEW Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-20S *	10-30	3/6/2012	100	0925	64	7.45	47	38	9.7
VE-20S *	10-30	3/21/2012	100	1435	69	4.90	NM	5.3	226
VE-20S *	10-30	3/30/2012	100	1135	70	4.65	NM	36	49
VE-20S *	10-30	4/3/2012	100	1240	71	4.75	NM	11	110
VE-20S *	10-30	4/18/2012	100	1600	88	4.40	28	31	59
VE-20S *	10-30	4/24/2012	100	1200	83	4.30	30	23	80
VE-20S *	10-30	5/2/2012	100	0840	65	4.20	58	16	42
VE-20S *	10-30	5/9/2012	100	1405	89	4.10	33	9.0	32
VE-20S *	10-30	5/16/2012	OFF	NM	NM	NM	NM	NM	NM
VE-20S *	10-30	5/22/2012	OFF	NM	NM	NM	NM	NM	NM
VE-20S	10-30	5/31/2012	100	1045	90	3.15	33	110	111
VE-20S	10-30	6/5/2012	100	1510	86	3.15	27	108	4.0
VE-20S	10-30	6/12/2012	100	1025	87	3.10	41	120	7.2
VE-20S	10-30	6/19/2012	100	1130	89	3.00	38	128	56
VE-20S	10-30	6/26/2012	100	0930	84	3.00	30	130	19
VE-21S	10-30	3/6/2012	100	0940	63	7.40	50	107	34
VE-21S	10-30	3/21/2012	100	1450	70	4.90	NM	60	46
VE-21S	10-30	3/30/2012	100	1150	69	4.70	NM	50	56
VE-21S	10-30	4/3/2012	100	1255	71	4.50	NM	57	57
VE-21S	10-30	4/18/2012	100	1615	87	4.40	29	50	56
VE-21S	10-30	4/24/2012	100	1215	87	4.30	25	42	46
VE-21S	10-30	5/2/2012	100	0855	65	4.20	57	39	33
VE-21S	10-30	5/9/2012	100	1420	88	4.10	33	48	45
VE-21S	10-30	5/16/2012	100	1650	91	3.60	27	42	31
VE-21S	10-30	5/22/2012	100	1430	88	3.50	32	38	7.1
VE-21S	10-30	5/31/2012	100	1100	87	3.15	33	35	26
VE-21S	10-30	6/5/2012	100	1525	84	3.15	24	36	25
VE-21S	10-30	6/12/2012	100	1040	82	3.15	41	34	42
VE-21S	10-30	6/19/2012	100	1145	89	3.05	34	32	27
VE-21S	10-30	6/26/2012	100	0945	85	3.00	30	31	49
VE-22S	10-30	3/6/2012	100	0935	64	7.40	46	100	390
VE-22S	10-30	3/21/2012	100	1445	70	4.90	NM	136	321
VE-22S	10-30	3/30/2012	100	1145	69	4.70	NM	126	387
VE-22S	10-30	4/3/2012	100	1250	72	4.55	NM	134	412
VE-22S	10-30	4/18/2012	100	1610	88	2.50	33	68	387
VE-22S	10-30	4/24/2012	100	1210	85	2.50	28	65	285
VE-22S	10-30	5/2/2012	100	0850	65	2.45	60	56	255
VE-22S	10-30	5/9/2012	50	1415	89	2.25	34	58	271
VE-22S	10-30	5/16/2012	100	1645	91	3.55	26	80	168
VE-22S	10-30	5/22/2012	100	1425	88	3.50	35	73	121
VE-22S	10-30	5/31/2012	100	1055	86	3.15	34	62	215
VE-22S	10-30	6/5/2012	100	1520	86	3.15	23	56	126
VE-22S	10-30	6/12/2012	100	1035	83	3.15	41	59	166
VE-22S	10-30	6/19/2012	100	1140	88	3.05	34	53	128
VE-22S	10-30	6/26/2012	100	0940	86	3.05	27	52	128

Table E2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VEW Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-23S	10-30	3/6/2012	100	0920	63	7.45	48	63	44
VE-23S	10-30	3/21/2012	100	1430	69	4.90	NM	149	82
VE-23S	10-30	3/30/2012	100	1130	70	4.65	NM	71	62
VE-23S	10-30	4/3/2012	100	1235	71	4.50	NM	146	101
VE-23S	10-30	4/18/2012	100	1555	88	4.35	27	155	79
VE-23S	10-30	4/24/2012	100	1155	82	4.30	30	162	60
VE-23S	10-30	5/2/2012	100	0835	65	4.15	57	165	9.5
VE-23S	10-30	5/9/2012	100	1400	90	4.05	33	176	59
VE-23S	10-30	5/16/2012	100	1635	90	3.55	35	167	35
VE-23S	10-30	5/22/2012	100	1415	89	3.45	35	165	66
VE-23S	10-30	5/31/2012	100	1040	93	3.15	31	160	62
VE-23S	10-30	6/5/2012	100	1505	87	3.15	27	143	6.5
VE-23S	10-30	6/12/2012	100	1020	88	3.10	36	151	13
VE-23S	10-30	6/19/2012	100	1125	89	3.05	38	146	51
VE-23S	10-30	6/26/2012	100	0925	82	3.05	37	145	24
VE-24S	10-30	3/6/2012	100	0930	64	7.40	47	102	4.7
VE-24S	10-30	3/21/2012	100	1440	70	4.90	NM	98	45
VE-24S	10-30	3/30/2012	100	1140	70	4.65	NM	73	52
VE-24S	10-30	4/3/2012	100	1245	71	4.45	NM	75	121
VE-24S	10-30	4/18/2012	100	1605	88	4.35	27	73	61
VE-24S	10-30	4/24/2012	100	1205	83	4.30	31	61	50
VE-24S	10-30	5/2/2012	100	0845	65	4.15	58	53	8.7
VE-24S	10-30	5/9/2012	100	1410	89	4.10	31	66	41
VE-24S	10-30	5/16/2012	100	1640	90	3.60	32	54	41
VE-24S	10-30	5/22/2012	100	1420	88	3.45	34	55	101
VE-24S	10-30	5/31/2012	100	1050	85	3.15	36	47	142
VE-24S	10-30	6/5/2012	100	1515	86	3.15	30	48	9.0
VE-24S	10-30	6/12/2012	100	1030	85	3.15	48	52	12
VE-24S	10-30	6/19/2012	100	1135	88	3.00	40	45	61
VE-24S	10-30	6/26/2012	100	0935	86	3.05	28	45	23
VE-25S	10-30	3/6/2012	100	0910	61	7.40	50	84	144
VE-25S	10-30	3/21/2012	100	1420	69	4.85	NM	272	194
VE-25S	10-30	3/30/2012	100	1120	70	4.60	NM	70	170
VE-25S	10-30	4/3/2012	100	1225	70	4.45	NM	308	177
VE-25S	10-30	4/18/2012	100	1545	89	4.35	27	320	147
VE-25S	10-30	4/24/2012	100	1145	82	4.25	30	325	151
VE-25S	10-30	5/2/2012	100	0825	67	4.15	54	335	75
VE-25S	10-30	5/9/2012	100	1350	90	4.05	31	323	104
VE-25S	10-30	5/16/2012	100	1625	90	3.50	28	303	64
VE-25S	10-30	5/22/2012	100	1405	90	3.45	34	302	65
VE-25S	10-30	5/31/2012	100	1030	95	3.15	26	274	90
VE-25S	10-30	6/5/2012	100	1455	89	3.15	26	270	26
VE-25S	10-30	6/12/2012	100	1010	90	3.00	33	272	36
VE-25S	10-30	6/19/2012	100	1115	90	3.05	33	273	95
VE-25S	10-30	6/26/2012	100	0915	79	3.00	38	277	55

Table E2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VEW Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-26S	10-30	3/6/2012	100	1000	66	7.40	44	136	743
VE-26S	10-30	3/21/2012	100	1510	70	4.95	NM	220	395
VE-26S	10-30	3/30/2012	100	1210	70	4.70	NM	232	410
VE-26S	10-30	4/3/2012	100	1315	72	4.45	NM	224	401
VE-26S	10-30	4/18/2012	100	1635	87	1.55	35	88	401
VE-26S	10-30	4/24/2012	100	1235	91	1.50	25	87	245
VE-26S	10-30	5/2/2012	100	0915	65	1.45	61	79	201
VE-26S	10-30	5/9/2012	50	1440	93	1.50	30	84	260
VE-26S	10-30	5/16/2012	100	1710	93	3.60	24	173	151
VE-26S	10-30	5/22/2012	100	1450	90	3.45	37	195	71
VE-26S	10-30	5/31/2012	100	1120	85	3.15	40	180	121
VE-26S	10-30	6/5/2012	100	1545	82	3.15	28	168	129
VE-26S	10-30	6/12/2012	100	1100	88	3.15	34	172	143
VE-26S	10-30	6/19/2012	100	1205	84	3.10	39	163	107
VE-26S	10-30	6/26/2012	100	1005	80	3.05	34	164	99
VE-27S	10-30	3/6/2012	100	0955	66	7.40	43	72	64
VE-27S	10-30	3/21/2012	100	1505	69	4.95	NM	62	79
VE-27S	10-30	3/30/2012	100	1205	69	4.70	NM	56	77
VE-27S	10-30	4/3/2012	100	1310	72	4.45	NM	74	70
VE-27S	10-30	4/18/2012	100	1630	86	4.40	34	83	77
VE-27S	10-30	4/24/2012	100	1230	90	4.30	23	82	48
VE-27S	10-30	5/2/2012	100	0910	65	4.15	56	70	33
VE-27S	10-30	5/9/2012	100	1435	92	4.10	30	71	54
VE-27S	10-30	5/16/2012	100	1705	92	3.60	26	58	30
VE-27S	10-30	5/22/2012	100	1445	89	3.45	37	59	7.0
VE-27S	10-30	5/31/2012	100	1115	86	3.15	36	54	24
VE-27S	10-30	6/5/2012	100	1540	82	3.15	26	52	20
VE-27S	10-30	6/12/2012	100	1055	86	3.15	37	52	28
VE-27S	10-30	6/19/2012	100	1200	84	3.05	39	50	13
VE-27S	10-30	6/26/2012	100	1000	80	3.05	33	48	22
VE-28S	10-30	3/6/2012	100	0950	65	7.40	45	83	43
VE-28S	10-30	3/21/2012	100	1500	69	4.90	NM	36	29
VE-28S	10-30	3/30/2012	100	1200	69	4.70	NM	25	31
VE-28S	10-30	4/3/2012	100	1305	72	4.50	NM	32	28
VE-28S	10-30	4/18/2012	100	1625	86	4.40	34	42	19
VE-28S	10-30	4/24/2012	100	1225	89	4.30	23	31	11
VE-28S	10-30	5/2/2012	100	0905	66	4.20	57	18	4.8
VE-28S	10-30	5/9/2012	100	1430	91	4.10	30	21	14
VE-28S	10-30	5/16/2012	100	1700	91	3.60	26	17	10
VE-28S	10-30	5/22/2012	100	1440	89	3.50	33	26	0.0
VE-28S	10-30	5/31/2012	100	1110	86	3.15	36	26	6.4
VE-28S	10-30	6/5/2012	100	1535	82	3.15	27	17	3.0
VE-28S	10-30	6/12/2012	100	1050	85	3.10	37	41	4.4
VE-28S	10-30	6/19/2012	100	1155	86	3.05	40	33	0.1
VE-28S	10-30	6/26/2012	100	0955	80	3.05	33	29	3.5

Table E2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
VEW Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	Main Valve Position (% Open)	Time	Temperature (F)	Vaccum (in Hg)	Relative Humidity (%)	Flow Rate (SCFM)	PID Reading* (ppmv)
VE-29S	10-30	3/6/2012	100	0945	64	7.40	48	80	18
VE-29S	10-30	3/21/2012	100	1455	69	4.90	NM	29	224
VE-29S	10-30	3/30/2012	100	1155	69	4.70	NM	32	30
VE-29S	10-30	4/3/2012	100	1300	72	4.50	NM	34	30
VE-29S	10-30	4/18/2012	100	1620	87	4.40	32	26	18
VE-29S	10-30	4/24/2012	100	1220	87	4.30	27	22	14
VE-29S	10-30	5/2/2012	100	0900	66	4.20	57	19	8.1
VE-29S	10-30	5/9/2012	100	1425	89	4.15	31	29	15
VE-29S	10-30	5/16/2012	100	1655	91	3.55	28	35	11
VE-29S	10-30	5/22/2012	100	1435	89	3.50	35	37	0.0
VE-29S	10-30	5/31/2012	100	1105	87	3.20	34	42	9.7
VE-29S	10-30	6/5/2012	100	1530	83	3.15	26	51	7.0
VE-29S	10-30	6/12/2012	100	1045	81	3.15	43	40	9.7
VE-29S	10-30	6/19/2012	100	1150	88	3.05	34	42	2.4
VE-29S	10-30	6/26/2012	100	0950	82	3.00	34	43	7.1
VE-30S	10-30	3/6/2012	100	0915	68	6.55	51	138	501
VE-30S	10-30	3/21/2012	100	1425	69	4.90	NM	250	175
VE-30S	10-30	3/30/2012	100	1125	70	4.65	NM	70	104
VE-30S	10-30	4/3/2012	100	1230	71	4.45	NM	220	112
VE-30S	10-30	4/18/2012	100	1550	87	4.30	29	226	99
VE-30S	10-30	4/24/2012	100	1150	82	4.30	31	220	67
VE-30S	10-30	5/2/2012	100	0830	65	4.15	57	213	20
VE-30S	10-30	5/9/2012	100	1355	90	4.05	33	210	49
VE-30S	10-30	5/16/2012	100	1630	90	3.50	33	186	33
VE-30S	10-30	5/22/2012	100	1410	90	3.45	33	185	64
VE-30S	10-30	5/31/2012	100	1035	95	3.15	32	167	71
VE-30S	10-30	6/5/2012	100	1500	87	3.15	26	160	12
VE-30S	10-30	6/12/2012	100	1015	89	3.10	35	161	18
VE-30S	10-30	6/19/2012	100	1120	90	3.00	40	154	68
VE-30S	10-30	6/26/2012	100	0920	80	3.00	37	150	26

Notes:

*Data for VE-20S from prior to May 24, 2012 are erroneous and not plotted.

ft bgs - feet below ground surface
F - degree Fahrenheit
in Hg - inches of Mercury
SCFM - standard cubic feet per minute
ppmv - parts per million by volume
E - Excceds PID range of detection
PID - photoionization detector
NM - not measured

Table E3
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
System Performance Monitoring - System Results

Date	Run time*	Vacuum	Relative Humidity	FLOW		Influent Operating Conditions		Intermediate Operating Conditions		Effluent Operating Conditions		PID			GAC Efficiency (PID)[a]		GAC Efficiency (Analytical)[b]		Remarks
				Influent	Effluent	Temp.	Pres.	Temp.	Pres.	Temp.	Pres.	Influent	Intermediate	Effluent	Lead	Overall	Lead	Overall	
	hr	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						
3/7/12	20.3	7.5	47	882	865	90	6.0	81	2.0	71	1.5	387	0.7	0.5	100%	100%	99.9%	99.9%	ISVE2 operation startup. System monitoring occurred on 3/6/2012 while inf/eff sampling occurred on 3/7/2012. Collected VE well samples on 3/7/2012. Performed VMP monitoring on 3/6/2012.
3/21/12	254.0	5.1	NM	1125	1160	130	11	119	6.0	107	4.0	242	71	2.1	71%	99%	85.4%	97.2%	Completed functional testing of all components. System has been up and down between 3/7 and 3/21 and no consistent monitoring data was available.
3/30/12	446.7	4.8	NM	1448	1250	86	10	92	4.5	98	2.5	143	54	6.4	62%	96%	58.3%	92.2%	System operating. Collected inf/mid/eff samples. Collected VE well samples and influent/effluent samples. Performed VMP monitoring on 3/26/2012.
4/3/12	510.8	4.6	NM	1418	1190	106	10.0	106	4.5	105	2.0	156	61.0	37.0	61%	76%	56.2%	92.6%	System shutdown due to high effluent PID concentrations.
4/5/12	510.8	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System restart after carbon changeout
4/9/12	562.9	4.8	NM	1330	1200	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System repeatedly shutdown due to VFD overheat
4/16/12	562.9	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System restart after replacing VFD
4/18/12	613.6	4.4	35	1145	1060	114	6	106	4.0	97	0.5	130	46	0.3	65%	100%	51.6%	93.6%	System running; Perform O&M
4/24/12	753.7	4.4	NM	1149	1110	112	6	104	4.0	96	0.5	78	37	1.5	53%	98%	40.8%	95.9%	System operating. Collected inf/mid/eff samples. Collected VE well samples and influent/effluent samples.
5/2/12	942.3	4.3	55	1175	1090	100	6	94	4.5	87	1.0	75	15	10.9	80%	85%	45.8%	96.9%	System operatting. Performed VMP monitoring.
5/4/12	990.2	4.4	NM	1156	1087	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System shutdown for carbon changeout of the primary vessel.
5/4/12	990.2	NA	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System restart after carbon changeout
5/9/12	1112.2	4.2	35	1143	1076	120	9	113	6.5	106	2.0	93	41	0.0	56%	100%	51.2%	98.0%	System running; Perform O&M
5/16/12	1282.5	3.7	36	1167	1095	120	9	110	7.0	100	2.0	68	20	0.5	71%	99%	57.8%	99.4%	System operating. Collected inf/mid/eff samples. Collected VE well samples and influent/effluent samples.
5/22/12	1417.6	4.0	NM	1155	1086	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	System shutdown for carbon changeout of the primary vessel.
5/22/12	1421.7	3.7	43	1169	1100	120	10	114	8.5	108	5.0	57	0.0	0.0	100%	100%	65.8%	99.4%	System restart after carbon changeout; Perform O&M
5/31/12	1634.3	3.3	44	1186	1140	112	10	106	9.0	99	5.0	39	2.1	0.6	95%	98%	81.6%	99.5%	System running; Perform O&M
6/5/12	1758.5	3.2	26	1186	1080	114	12	108	9.5	102	5.5	58	0.0	0.0	100%	100%	93.7%	99.6%	System operating. Collected inf/mid/eff samples. Collected VE well samples and influent/effluent samples.
6/12/12	1921.7	3.2	44	1193	1098	110	11	104	9.5	97	6.0	34	4.4	0.5	87%	99%	93.7%	99.6%	System operatting. Performed VMP monitoring and sampling
6/19/12	2091.0	3.2	37	1193	1097	112	13	106	10.0	100	6.0	27	2.7	0.0	90%	100%	93.7%	99.6%	System running; Perform O&M
6/26/12	2254.5	3.2	44	1220	1132	108	11	103	7.5	97	5.5	34	9.5	0.3	72%	99%	93.7%	99.6%	System running; Perform O&M

Note:

*Run time is based on recorded SVE Blower run time data unless indicated otherwise

[#]Mass loading rates for these dates are assumed to be identical to the nearest sampling event per unit flow rate and adjusted for flow rate. When additional data becomes availabe, mass loading rates will be adjusted accordingly.

[a]GAC efficiency determined based on PID data for the lead vessel and for the treatment system overall

[b]GAC efficiency determined based on analytical data and interpolated data based on analyhtical data for the lead vessel and for the treatment system overall

NA = Not Applicable
Temp = Temperature
Pres = Pressure
HR = Hour
SCFM = Standard Cubic Feet per Minute

NM = Not measured
F = Fahrenheit
in H2O = inches of water
ppmv = parts per million by volume

Calculated Values based on average or interpolated data
Calculated values based on ACFM flow rate at the lead GAC vessel influent assuming standard conditions of 60 F and 14.696 psi.

Table E4
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
GAC Analytical Results

Effluent Permit Limit (Mar'12)			1850	200	800	-	-	2.3	-	43	-	-	-	-	0.5	-	-	-	863	-	
Sample ID		**Sample Date**	**PCE**	**TCE**	**11DCE**	**VC**	**111TCA**	**11DCA**	**12DCA**	**CF**	**MC**	**Freon11**	**Freon12**	**Freon113**	**BEN**	**TOL**	**XYL**	**CD**	**MEK**	**IP**	Total VOCs[%]
Influent	INF	3/7/2012	30,000	2,700	13,000	20 U	20 U	53	20 U	820	200 U	1,200	20 U	3,200	20 U	20 U	20 U	80 U	60 U	200 U	51,000
Intermediate	MID	3/7/2012	4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	2 U	11	5 U	15
Effluent	EFF	3/7/2012	**7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	**2**	1.5 U	0.5 U	0.5 U	0.5 U	2 U	**10**	5 U	19
Influent	INF	3/30/2012	15,000	1,200	3,200	10 U	10 U	29	21	630	100 U	570	10 U	1,700	10 U	10 U	10 U	40 U	30 U	100 U	22,000
Intermediate	MID	3/30/2012	16	5 U	8,400	5 U	5 U	30	5 U	130	50 U	750	5 U	130	5 U	5 U	5 U	20 U	15 U	50 U	9,500
Effluent	EFF	3/30/2012	1.2 U	1.2 U	**670**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	12 U	**1,100**	**5**	3.8 U	**3**	1.2 U	1.2 U	5 U	3.8 U	12 U	1,800
Influent	INF	4/24/2012	9,000	510	990	20 U	20 U	20 U	20 U	290	200 U	160	20 U	670	20 U	20 U	20 U	80 U	60 U	200 U	12,000
Intermediate	MID	4/24/2012	10 U	10 U	6,000	10 U	10 U	10 U	10 U	10 U	100 U	670	10 U	40	10 U	10 U	10 U	40 U	30 U	100 U	6,700
Effluent	EFF	4/24/2012	0.5 U	0.5 U	**330**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	**140**	**3**	1.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	470
Influent	INF	5/16/2012	5,000	460	1,200	10 U	10 U	14	16	330	100 U	300	10 U	1,300	10 U	10 U	10 U	40 U	30 U	100 U	9,000
Intermediate	MID	5/16/2012	5 U	5 U	3,200	5 U	5 U	5 U	5 U	5 U	50 U	420	5 U	15 U	5 U	5 U	5 U	20 U	15 U	50 U	3,600
Effluent	EFF	5/16/2012	**2**	0.5 U	**14**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	**20**	**2**	1.5 U	**0.80**	0.5 U	0.5 U	2 U	1.5 U	5 U	39
Influent	INF	6/5/2012	3,600	330	870	0.5 U	0.5 U	13	18	280	5 U	210	2	980	3	0.5 U	0.5 U	2 U	2	5 U	6,000
Intermediate	MID	6/5/2012	0.5 U	0.5 U	340	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	81	1	2	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	400
Effluent	EFF	6/5/2012	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	**2**	1.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	5 U	2

Notes:
[%]Total VOC concentration equals the sum of all detected concentration rounded to the nearest two significant figures.
Influent - sample taken at the influent of the lead carbon vessel
Intermediate - sample taken between the lead and the lag vessel
Effluent - sample taken at the effluent of the lag vessel
U = Not detected above reporting limit listed
BOLD = concentrations detected above reporting limits

PCE - Tetrachloroethene
TCE - Trichloroethene
11DCE - 1,1-Dichloroethene
VC - Vinyl Chloride
111TCA - 1,1,1-Trichloroethane
11DCA - 1,1-Dichloroethane
12DCA - 1,2-Dichloroethane
CF - Chloroform

MC - Methylene Chloride
Freon11 - Trichlorofluoromethane
Freon12 - Dichlorodifluoromethane
Freon113 - 1,1,2-Trichloro-1,2,2-trifluoroethane
BEN - Benzene
TOL - Toluene
XYL - o-Xylene
CD - Carbon Dissulfide

MEK - Methyl Ethyl Ketone (2-Butanone)
IP - Isopropanol

Effluent concentrations detected above permit effluent limits*

Table E5
Omega ChemicalSuperfund Site
Interim Soil Vapor Extraction System 2 (ISVE2)
System Performance Monitoring - Cumulative Mass Removal

	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL$**
Date	lb																		
3/7/12	13.5	1.0	3.4	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	**20**
3/21/12	150.1	10.2	29.2	0.0	0.1	0.2	0.1	3.7	0.5	4.9	0.1	18.6	0.0	0.1	0.1	0.2	0.1	0.4	**218**
3/30/12	257.1	16.9	42.5	0.1	0.1	0.3	0.2	6.9	0.9	8.2	0.1	32.3	0.1	0.1	0.1	0.3	0.2	0.6	**367**
4/3/12	291.6	19.1	46.6	0.1	0.2	0.3	0.2	7.9	1.0	9.3	0.1	36.6	0.1	0.1	0.1	0.4	0.3	0.7	**415**
4/5/12	291.6	19.1	46.6	0.1	0.2	0.3	0.2	7.9	1.0	9.3	0.1	36.6	0.1	0.1	0.1	0.4	0.3	0.7	**415**
4/9/12	315.0	20.5	49.2	0.1	0.2	0.4	0.2	8.6	1.1	9.9	0.1	39.4	0.1	0.1	0.1	0.4	0.3	0.8	**447**
4/16/12	315.0	20.5	49.2	0.1	0.2	0.4	0.2	8.6	1.1	9.9	0.1	39.4	0.1	0.1	0.1	0.4	0.3	0.8	**447**
4/18/12	332.4	21.4	51.0	0.1	0.2	0.4	0.2	9.1	1.3	10.4	0.2	41.3	0.1	0.1	0.2	0.4	0.3	0.9	**470**
4/24/12	367.4	23.0	53.3	0.1	0.3	0.4	0.3	9.9	1.7	10.9	0.2	44.3	0.2	0.2	0.2	0.6	0.4	1.2	**514**
5/2/12	407.7	25.1	56.6	0.2	0.3	0.5	0.4	11.1	2.1	11.8	0.3	49.7	0.2	0.2	0.3	0.8	0.5	1.5	**569**
5/4/12	417.3	25.6	57.4	0.2	0.3	0.5	0.4	11.4	2.2	12.0	0.3	51.1	0.2	0.2	0.3	0.8	0.6	1.6	**582**
5/4/12	417.3	25.6	57.4	0.2	0.3	0.5	0.4	11.4	2.2	12.0	0.3	51.1	0.2	0.2	0.3	0.8	0.6	1.6	**582**
5/9/12	438.5	26.9	59.7	0.2	0.4	0.5	0.4	12.1	2.4	12.8	0.3	55.3	0.2	0.3	0.3	0.9	0.6	1.7	**613**
5/16/12	462.3	28.6	63.0	0.2	0.4	0.6	0.4	13.3	2.7	13.9	0.3	62.3	0.2	0.3	0.3	1.0	0.7	1.9	**653**
5/22/12	480.3	29.9	65.5	0.2	0.4	0.6	0.5	14.2	2.8	14.8	0.3	67.6	0.3	0.3	0.4	1.0	0.7	2.0	**682**
5/31/12	504.6	31.7	69.0	0.2	0.5	0.6	0.6	15.5	2.9	16.0	0.4	75.0	0.3	0.3	0.4	1.0	0.7	2.1	**722**
6/5/12	517.6	32.6	70.8	0.2	0.5	0.7	0.6	16.2	2.9	16.6	0.4	79.0	0.3	0.3	0.4	1.0	0.7	2.1	**743**
6/12/12	534.7	33.9	73.2	0.2	0.5	0.7	0.6	17.1	2.9	17.5	0.4	84.2	0.3	0.3	0.4	1.1	0.8	2.1	**771**
6/19/12	552.5	35.2	75.7	0.2	0.5	0.8	0.7	18.1	2.9	18.3	0.4	89.7	0.3	0.3	0.4	1.1	0.8	2.1	**800**
6/26/12	570.3	36.5	78.2	0.2	0.5	0.8	0.7	19.1	3.0	19.2	0.4	95.2	0.3	0.3	0.4	1.1	0.8	2.1	**829**

Note:
$Total cumulative mass is calculated mass removal based on individual constituents that has been detected at least once, not based on Total VOC concentration reported in the analytical reports.
Reporting limit is used if selected constituent is non-detect in the sample.

lb = Pound

PCE - Tetrachloroethene
TCE - Trichloroethene
11DCE - 1,1-Dichloroethene
VC - Vinyl Chloride
111TCA - 1,1,1-Trichloroethane
11DCA - 1,1-Dichloroethane
12DCA - 1,2-Dichloroethane
CF - Chloroform

MC - Methylene Chloride
Freon11 - Trichlorofluoromethane
Freon12 - Dichlorodifluoromethane
Freon113 - 1,1,2-Trichloro-1,2,2-trifluoroethane
BEN - Benzene
TOL - Toluene
XYL - o-Xylene
CD - Carbon Dissulfide

MEK - Methyl Ethyl Ketone (2-Butanone)
IP - Isopropanol

Table E6
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
ISVE2 Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location		Sample Date	VMP Sample Depth (ft bgs)	Sample Type	PCE	TCE	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	Benzene	Toluene	BDM
VE-20S	*	02/28/12	NA	ORIG	370	30	8 U	8 U	64	8 U	8 U	8 U	16 U	24 U	8 U	160	340	8 U	8 U	8 U
	*	03/30/12	NA	ORIG	20	5.7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	7.5 U	2.5 U	250	330	2.5 U	2.5 U	2.5 U
	*	04/24/12	NA	ORIG	2.5 U	4.7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	7.5 U	2.5 U	150	290	2.5 U	2.5 U	2.5 U
		06/05/12	NA	ORIG	140	5 U	5 U	5 U	100	5 U	5 U	5 U	57	360	5 U	20 U	15 U	5 U	5 U	5 U
VE-21S		02/28/12	NA	ORIG	410	10 U	10 U	10 U	280	10 U	10 U	10 U	230	1200	10 U	40 U	30 U	10 U	10 U	10 U
		03/30/12	NA	ORIG	1100	79	2.5	3.4	160	1.2 U	1.2 U	30	27	74	1.2 U	7.9	3.8 U	1.3	2.5	1.2 U
		04/24/12	NA	ORIG	3200	150	4 U	4.3	540	4 U	4 U	38	110	490	4 U	16 U	12 U	4 U	4 U	4 U
		05/16/12	NA	ORIG	2300	170	10 U	10 U	570	10 U	10 U	51	98	430	10 U	40 U	30 U	10 U	10 U	10 U
		06/05/12	NA	ORIG	1900	140	5 U	6.2	480	5 U	5 U	45	84	420	5 U	20 U	15 U	5 U	5 U	5 U
VE-22S		02/28/12	NA	ORIG	43000	1900	28	20 U	14000	20 U	37	250	1500	8600	20 U	80 U	60 U	20 U	20 U	20 U
		03/30/12	NA	ORIG	28000	970	30	20 U	2200	20 U	20 U	500	470	1700	20 U	80 U	60 U	20 U	20 U	20 U
		04/24/12	NA	ORIG	15000	620	20 U	20 U	1700	20 U	20 U	330	380	1900	20 U	80 U	60 U	20 U	20 U	20 U
		05/16/12	NA	ORIG	15000	1100	28	23	3500	20 U	20 U	590	840	6200	20 U	80 U	60 U	20 U	20 U	20 U
		06/05/12	NA	ORIG	12000	720	26	20 U	2500	20 U	20 U	430	550	2900	20 U	80 U	60 U	20 U	20 U	20 U
VE-23S		02/28/12	NA	ORIG	9100	900	20 U	20 U	4700	20 U	20 U	110	510	890	20 U	80 U	60 U	20 U	20 U	20 U
		03/30/12	NA	ORIG	3800	260	7	5.4	480	2.5 U	2.5	83	18	65	2.5 U	10 U	7.5 U	2.5 U	2.5 U	2.5 U
		04/24/12	NA	ORIG	1300	140	4.2	4.9	280	2.5 U	2.5 U	53	21	58	2.5 U	10 U	7.5 U	2.5 U	2.5 U	2.5 U
		05/16/12	NA	ORIG	760	73	5 U	5 U	180	5 U	5 U	36	20	50	5 U	20 U	15 U	5 U	5 U	5 U
		06/05/12	NA	ORIG	470	42	5 U	5 U	110	5 U	5 U	23	13	29	5 U	20 U	15 U	13	5 U	5 U
VE-24S		02/28/12	NA	ORIG	33	5 U	5 U	5 U	30	5 U	5 U	5 U	18	100	5 U	20 U	15 U	5 U	5 U	5 U
		03/30/12	NA	ORIG	940	52	2.5 U	2.5 U	880	2.5 U	2.5 U	4.3	150	830	3.1	10 U	7.5 U	2.5 U	2.5 U	2.5 U
		04/24/12	NA	ORIG	790	49	2.5 U	2.5 U	560	2.5 U	2.5 U	6.1	180	520	2.5 U	10 U	7.5 U	2.5 U	2.5 U	2.5 U
		05/16/12	NA	ORIG	900	54	4 U	4 U	640	4 U	4 U	5.8	170	490	4 U	16 U	12 U	4 U	4 U	4 U
		06/05/12	NA	ORIG	590	41	5 U	5 U	480	5 U	5 U	6.1	96	220	5 U	20 U	15 U	5 U	5 U	5 U
VE-25S		02/28/12	NA	ORIG	10000	900	16	10 U	7100	10 U	10 U	220	690	1200	10 U	40 U	30 U	10 U	10 U	10 U
		03/30/12	NA	ORIG	14000	1100	23	10 U	1800	10 U	13	430	41	38	10 U	40 U	30 U	10 U	10 U	10 U
		04/24/12	NA	ORIG	5100	680	20	10 U	820	10 U	12	400	27	89	10 U	40 U	30 U	10 U	10 U	10 U
		05/16/12	NA	ORIG	3900	550	19	14	570	8 U	8.1	560	35	130	8 U	32 U	24 U	8 U	8 U	8 U
		06/05/12	NA	ORIG	1900	270	15	13	210	5 U	5	420	10 U	15 U	5 U	20 U	15 U	5 U	5 U	5 U
VE-26S		02/28/12	NA	ORIG	96000	8900	150	20 U	43000	21	180	3800	6300	12000	20 U	80 U	60 U	23	20 U	20 U

Table E6
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
ISVE2 Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	VMP Sample Depth (ft bgs)	Sample Type	PCE	TCE	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	Benzene	Toluene	BDM
VE-26S	03/30/12	NA	ORIG	32000	1400	31	39	3400	20 U	27	850	1000	2800	20 U	80 U	60 U	20 U	20 U	20 U
	04/24/12	NA	ORIG	16000	1600	42	66	4300	20 U	29	1100	1200	6100	20 U	80 U	60 U	20 U	20 U	20 U
	05/16/12	NA	ORIG	11000	1400	27	67	4600	20 U	21	800	1500	7000	20 U	80 U	60 U	20 U	20 U	20 U
	06/05/12	NA	ORIG	8900	900	28	63	3200	10 U	19	640	800	4400	10 U	40 U	30 U	10 U	10 U	10 U
VE-27S	02/28/12	NA	ORIG	8800	710	12	10 U	2000	10 U	12	260	570	1600	10 U	40 U	30 U	10 U	10 U	10 U
	03/30/12	NA	ORIG	5900	550	16	6.1	410	4 U	4.9	530	82	710	4 U	16 U	12 U	4.5	17	4 U
	04/24/12	NA	ORIG	3200	470	14	11	880	8 U	8 U	500	330	1000	8 U	32 U	24 U	8 U	9.3	8 U
	05/16/12	NA	ORIG	1800	330	10	14	740	4 U	4.6	370	330	870	4 U	16 U	12 U	4 U	4 U	4 U
	06/05/12	NA	ORIG	1600	250	8.6	14	630	5 U	5 U	310	230	660	5 U	20 U	15 U	5 U	5 U	5 U
VE-28S	02/28/12	NA	ORIG	2500	500	8.3	8 U	1500	8 U	8 U	120	220	640	8 U	32 U	24 U	8 U	8 U	8 U
	03/30/12	NA	ORIG	1500	220	5.3	1.2 U	170	1.5	1.2 U	120	4.2	8.5	1.2 U	10	8	1.2 U	1.2 U	1.5
	04/24/12	NA	ORIG	690	130	4.6	2.5 U	72	2.5 U	2.5 U	100	5 U	7.5 U	2.5 U	10 U	7.5 U	2.5 U	2.5 U	2.5 U
	05/16/12	NA	ORIG	470	76	3.2	1.1	26	1.3	0.5 U	90	1.3	2.2	0.59	5.9	6.3	0.53	0.5 U	0.5 U
	06/05/12	NA	ORIG	310	43	5 U	5 U	14	5 U	5 U	76	10 U	15 U	5 U	20 U	15 U	5 U	5 U	5 U
VE-29S	02/28/12	NA	ORIG	780	81	5 U	5 U	360	5 U	5 U	11	26	110	5 U	21	50	5 U	5 U	5 U
	03/30/12	NA	ORIG	850	83	5 U	5 U	120	5 U	5 U	19	10 U	15 U	5 U	27	15 U	5 U	5 U	5 U
	04/24/12	NA	ORIG	790	130	3.8	2.5 U	240	2.5 U	2.5 U	35	25	64	2.5 U	10	7.5	2.5 U	2.5 U	2.5 U
	05/16/12	NA	ORIG	630	100	2 U	2 U	360	2 U	2 U	27	62	150	2 U	8 U	6 U	2 U	2 U	2 U
	06/05/12	NA	ORIG	500	69	5 U	5 U	310	5 U	5 U	19	45	100	5 U	20 U	15 U	5 U	5 U	5 U
VE-30S	02/28/12	NA	ORIG	97000	9300	49	20 U	72000	20 U	44	260	1900	8200	20 U	80 U	60 U	20 U	20 U	20 U
	03/30/12	NA	ORIG	7900	640	15	10 U	890	10 U	10 U	200	70	180	10 U	40 U	30 U	10 U	10 U	10 U
	04/24/12	NA	ORIG	2400	340	14	5 U	560	24	5 U	190	58	140	5 U	20 U	15 U	5 U	5 U	5 U
	05/16/12	NA	ORIG	1100	180	6.4	5.2	430	2.8	2.5 U	150	45	85	2.5 U	10 U	7.5 U	2.5 U	2.5 U	2.5 U
	06/05/12	NA	ORIG	990	110	5 U	5 U	330	5 U	5 U	99	31	62	5 U	20 U	15 U	5 U	5 U	5 U
FRR-VMP-03	06/12/12	12	ORIG	43	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	1.1 U	1.7 U	0.56 U	58	10	0.56 U	0.56 U	0.56 U
FRR-VMP-05	06/12/12	12	ORIG	83	4.7	0.56 U	0.56 U	2.1	0.56 U	0.56 U	0.56 U	1.1 U	1.7 U	0.56 U	26	1.7 U	0.56 U	0.56 U	0.56 U
FRR-VMP-13	06/12/12	12	ORIG	110	8.1	0.5 U	0.5 U	5.9	0.5 U	0.5 U	0.5 U	1 U	1.5 U	0.5 U	35	1.7	0.5 U	0.78	0.5 U
VMP-28	06/12/12	24	ORIG	340	2.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5.6	0.5 U	67	3.3	1.6	0.99	0.5 U
VMP-29	06/12/12	24	ORIG	1100	46	0.83	0.55 U	11	0.55 U	0.55 U	5.5	1.1 U	1.9	0.55 U	67	2.5	0.79	0.97	0.55 U
VMP-30	06/12/12	24	ORIG	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	1.6 U	0.53 U	41	1.6	0.61	1.3	0.53 U

Table E6
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
ISVE2 Vapor Extraction (VE) Well and Vapor Monitoring Probe (VMP) Analytical Results

Sample Location	Sample Date	VMP Sample Depth (ft bgs)	Sample Type	PCE	TCE	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	CFM	Freon 11	Freon 113	Freon 12	Acetone	2-Butanone	Benzene	Toluene	BDM
VMP-31	06/12/12	24	ORIG	4.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.5 U	0.5 U	40	1.6	0.5 U	0.5 U	0.5 U
VMP-32	06/12/12	24	ORIG	230	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.5 U	0.55	50	4.3	0.5 U	0.5 U	0.5 U
VMP-33	06/12/12	24	ORIG	420	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.5 U	0.5 U	16	1.5 U	0.5 U	0.54	0.5 U
VMP-34	06/12/12	24	ORIG	17000 J	720	20 U	20 U	800	20 U	20 U	88 J	350	1100 J	20 U	160	60 U	20 U	20 U	20 U
	06/12/12	24	DUP	25000 J	830	20 U	20 U	840	20 U	20 U	120 J	290	760 J	20 U	80 U	60 U	20 U	20 U	20 U
VMP-35	06/12/12	24	ORIG	350	9.5	0.5 U	0.5 U	0.99	0.5 U	0.5 U	1	1 U	1.5 U	0.5 U	35	1.5 U	0.5 U	0.82	0.5 U
VMP-36	06/12/12	24	ORIG	36	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.5 U	0.5 U	30	1.5 U	0.5 U	0.6	0.5 U
VMP-37	06/12/12	24	ORIG	9.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.61	1 U	1.5 U	0.5 U	29	1.5 U	0.5 U	1.2	0.5 U
VMP-47	06/12/12	24	ORIG	15	3.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.5 U	0.5 U	33	1.5 U	0.5 U	0.64	0.5 U
VMP-48	06/12/12	24	ORIG	110	0.62	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	1.1 U	4.5	0.56 U	38	1.7	0.56 U	0.65	0.56 U

Notes:

Concentrations are reported in parts per billion by volume (ppbv)
Only the most frequently detected compounds are presented in this table.
VOCs analyzed by EPA Method TO-15.

* Data for VE-20S from February, March and April 2012 are erroneous

U = Not detected at a concentration greater than the reporting limit shown.

PCE = Tetrachloroethene; TCE = Trichloroethene; DCA = Dichloroethane; DCE = Dichloroethene; CFM = Chloroform; Freon 11 = Trichlorofluoromethane;
Freon 113 = 1,1,2-Trihloro-1,2,2-trifluoroethane; Freon 12 = Dichlorodifluoromethane; BDM = Bromodichloromethane

Sample Depth (ft bgs) = depth of nested VMP sample in feet below ground surface
NA = Not applicable

Sample Type:
ORIG = Original sample
DUP = Duplicate sample

Attachment F
Data Validation Memos and Laboratory Data Reports

Attachment F.1
IAQ Data Validation Memo

DATA VALIDATION REPORT

Project: Omega Chemical Superfund Site
Air Monitoring – June 2012

References: USEPA CLP National Functional Guidelines for Superfund Organic Data Review June 2008 (EPA540/R-08/01)

Compendium Method TO-15
Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)
January 1999

Air Toxics Limited Methods Manual, Method TO-14A/TO-15

Omega Chemical Superfund Site
Removal Action Work Plan, Appendix B (QAPP)
August 19, 2010

Reviewer: Barbara Wells
CDM Smith - Carlsbad, California

Date: July 23, 2012

Analytical Laboratory: Air Toxics Ltd. (Air Toxics)
Folsom, California

Laboratory Report Number: 1206673
1206680
1206681

DATA REVIEW

Twenty-three (23) air samples (including two field duplicate) were collected on June 27, 2012 (listed in Table 1), and shipped via overnight delivery service to Air Toxics. Two additional samples were collected as split samples and sent to a second laboratory (CalScience). It should be noted however, that the data collected from the split analyses were used to assess precision between laboratories and were not formally validated. The samples were analyzed for volatile organic compounds (VOCs) by Method TO-15 with Selective Ion Monitoring (SIM). EPA's Functional Guidelines were used to assist in the process of the technical review of the data; however, QC criteria specified in the analytical method, Air Toxics' Methods Manual, and the Omega Removal Action Work Plan, Appendix B (QAPP) were used as the basis for acceptance or data qualification. Sample identification and collection dates are summarized in the following table.

Table 1- Summary of Analysis

Sample ID	*Lab Sample ID*	*Sample Type*	*Date Collected*	*Date Analyzed*
IAQ-AA8-062712	1206680-01A	AA	27-Jun-12	02-Jul-12
IAQ-AA1-062712	1206673-10A	AA	27-Jun-12	05-Jul-12
IAQ-B1-062712	1206680-07A	AA	27-Jun-12	02-Jul-12
IAQ-B1-062712-K	1206680-08A	DUP	27-Jun-12	02-Jul-12
IAQ-B2-062712	1206680-09A	AA	27-Jun-12	02-Jul-12
IAQ-B3-062712	1206680-10A	AA	27-Jun-12	02-Jul-12
IAQ-FRR1-062712	1206673-01A	AA	27-Jun-12	03-Jul-12
IAQ-FRR1-062712-K	1206673-02A	DUP	27-Jun-12	03-Jul-12
IAQ-FRR2-062712	1206673-03A	AA	27-Jun-12	03-Jul-12
IAQ-FRR3-062712	1206673-04A	AA	27-Jun-12	03-Jul-12
IAQ-ROP2-062712	1206673-06A	AA	27-Jun-12	03-Jul-12
IAQ-ROP5-062712	1206673-09A	AA	27-Jun-12	05-Jul-12
IAQ-ROP4-062712	1206673-08A	AA	27-Jun-12	05-Jul-12
IAQ-ROP3-062712	1206673-07A	AA	27-Jun-12	05-Jul-12
IAQ-ROP1-062712	1206673-05A	AA	27-Jun-12	03-Jul-12
IAQ-TP1-062712	1206681-01A	AA	27-Jun-12	05-Jul-12
IAQ-TP3-062712	1206681-03A	AA	27-Jun-12	05-Jul-12
IAQ-TP2-062712	1206681-02A	AA	27-Jun-12	05-Jul-12
IAQ-WCCS4-062712	1206680-04A	AA	27-Jun-12	02-Jul-12
IAQ-WCCS3-062712	1206680-03A	AA	27-Jun-12	02-Jul-12
IAQ-WCCS2-062712	1206680-02A	AA	27-Jun-12	02-Jul-12
IAQ-WCCS7-062712	1206680-06A	AA	27-Jun-12	02-Jul-12
IAQ-WCCS6-062712	1206680-05A	AA	27-Jun-12	02-Jul-12
IAQ-ROP1-062712-K2	12-06-1870-1	SPLIT	27-Jun-12	28-Jun-12
IAQ-TP1-062712-K2	12-06-1870-2	SPLIT	27-Jun-12	28-Jun-12

Notes:

AA = Ambient air sample
DUP = Field duplicate air sample
SPLIT = Split sample sent to independent laboratory

VOLATILE ORGANIC COMPOUNDS ASSESSMENT – METHOD TO-15 SIM

Twenty-three (23) samples were analyzed by Air Toxics for VOCs using TO-15 SIM.

I. TECHNICAL HOLDING TIMES

All technical holding times requirements were met. The air samples were collected on June 27, 2012 and analyzed between July 2 and 5, 2012, which is within 8 days of sample collection. Some guidance suggests that samples for Method TO-15 should be analyzed within 14 days of sampling; however, Method TO-15 indicates that canisters can be stored for up to 30 days for many VOCs.

II. INITIAL CALIBRATION

Prior to the analysis of any samples or standards, an instrument performance check must be performed using 50 ng of 4-bromofluorobenzene (BFB). All ion abundances must meet the criteria listed in Table 3 of Method TO-15. Initial calibration of the instrument must be performed using a minimum of five standard concentrations that span the monitoring range of interest. One calibration point must be at the same concentration as the daily calibration standard and one point should be near the detection limit for the compound of interest. For initial calibration to be accepted, the calculated percent relative standard deviation (%RSD) for the relative response factor (RRF) for each compound in the calibration table must be less than 30 percent with at most two exceptions up to a limit of 40 percent.

Initial calibration was performed on May 16, 2012, using a minimum of five concentrations ranging from 0.003 to 40 ppbv, which meets the method requirement. The %RSD for the mean RRF for all target compounds was less than 30 percent, except for carbon tetrachloride and 1,2,4-trichlorobenzene, which had %RSDs of 30.7 and 36.7 percent, respectively. Because the method allows %RSDs of up to 40 percent for up to two compounds, no further action is required for the initial calibration. Therefore, the initial calibration is considered acceptable and sample analysis proceeded.

III. CONTINUING CALIBRATION

Prior to the analysis of samples and blanks but after tuning criteria (4-BFB), the initial calibration of the GC/MS must be verified (once every 12 to 24 hours) by analyzing a daily calibration verification standard (a midpoint check standard at 10 ppbv). The calibration verification standard must contain all target analytes. The percent difference (%D) between the continuing calibration RRF and the initial RRF must be within 30 percent in order to proceed with blanks and samples.

Samples were analyzed on July 2, 3 and 5, 2012. Prior to each day of sample analysis, 50 ng BFB tuning standards were analyzed. Mass ion abundance criteria were met for the system for each day of analysis. The percent difference was below 30 percent for all target analytes, except for carbon tetrachloride in the continuing calibrations on July 2, 3, and 5, 2012, which had %Ds of 31, 34 and 35percent, respectively. Therefore, the carbon tetrachloride concentration in all samples will be qualified as estimated. The initial calibrations were validated and continuing calibration criteria were met for the project requirements.

IV. METHOD BLANKS

A method blank must be analyzed with each batch of samples immediately after initial calibration is verified and before sample analysis. No target analytes were detected at concentrations above their respective reporting limits in the method blanks for the SIM analysis.

V. SURROGATES

Three surrogate spikes (1,2-dichloroethane-d4, toluene-d8 and 4-bromofluorobenzene) were added to each environmental sample, QC sample, and method blank. Surrogate spike control limits were established by the laboratory at 70 to 130 percent for all three surrogates.

All surrogate recoveries were within the acceptable method control limits.

VI. LABORATORY CONTROL SAMPLES (LCS)

Although not required by the method, a LCS sample was analyzed with these samples. Additionally, an LCS duplicate (LCSD) sample was analyzed with these samples, as no laboratory duplicate was analyzed with the samples. Results from the LCS and LCSD samples were included in the analytical report. Acceptance limits, established by the laboratory, are 70 to 130 percent. All LCS and LCSD analyte recoveries were within the acceptable limits and the relative percent differences (RPDs) between detected analyte concentrations in the duplicate pairs were all less than 25 percent. Therefore, acceptable accuracy and precision was demonstrated and qualification is not warranted.

VII. REGIONAL QUALITY ASSURANCE AND QUALITY CONTROL

Two field duplicate were collected during this sampling event. Sample IAQ-FRR1-062712-K is a duplicate sample of IAQ-FRR1-062712. Sample IAQ-B1-062712-K is a duplicate sample of IAQ-B1-062712-K. Additionally, two split samples were collected during this round from samples IAQ-ROP1-062712 and IAQ-TP1-062712 and were sent to a different laboratory (CalScience) and are discussed below.

The Omega RI/FS specified a duplicate collection frequency of 10 percent. Although not specified, a duplicate precision criterion of 20 percent was used for duplicate air samples (which is equal to the precision criteria for groundwater samples). If the results were detected at concentrations less than 5x the reporting limit, then the difference between the two results was evaluated against the criteria of $\pm$ the reporting limit. Results were deemed within criteria if the difference was less than two times the reporting limit. The RPD calculation was performed only if constituents were detected above laboratory reporting limits in both the primary and the duplicate samples. In the event that a constituent was detected in one sample but not in its corresponding duplicate, the RPD was not calculated. However, precision was evaluated by comparing the difference between the two results (using the reporting limit of the non-detected result) to $\pm$ the reporting limit. Bolded results in the tables below indicate results that exceed criteria.

The RPDs between the primary and duplicate samples for field duplicates (submitted to AirToxics) were within 20 percent or within acceptance criteria for all analytes except for ethylbenzene, m,p-xylenes, o-xylene and toluene in the IAQ-FRR1-062712 field duplicate pair. Therefore, these results are qualified as estimated (J-flagged) due to field duplicate imprecision. In the IAQ-B1-062712 field duplicate pair, the RPDs were within 20 percent for all analytes, thus no action is necessary.

Compound	IAQ-B1-062712 (ug/m3)	IAQ-B1-062712-K (ug/m3)	RPD	Less than 5X RL?	Difference of two results	Criteria using ±RL
Acetone	16	18	11.8			
Benzene	0.85	0.85	0.0			
Carbon Tetrachloride	0.37	0.35	5.6			
Chloroform	0.20	0.20	0.0			
Dichlorofluoromethane (Freon 12)	2.0	2.0	0.0			
Ethylbenzene	0.64	0.62	3.2			
Freon 113	3.9	3.8	2.6			
m,p-Xylenes	1.7	1.5	12.5			
o-Xylene	0.62	0.56	10.2			
PCE	0.26	0.27	3.8			
Toluene	4.0	3.9	2.5			
Trichlorofluoromethane (Freon 11)	1.1	1.1	0.0			

Compound	IAQ-FRR1-062712 (ug/m3)	IAQ-FRR1-062712-K (ug/m3)	RPD	Less than 5X RL?	Difference of two results	Criteria using ±RL
1,2-DCA	0.24	0.2	18.2			
1,4-Dichlorobenzene	3.1	3.4	9.2			
Acetone	24	24	0.0			
Benzene	1.0	0.99	1.0			
Carbon Tetrachloride	0.47	0.38	21.2	Y	0.09	0.42
Chloroform	0.26	0.25	3.9			
Dichlorofluoromethane (Freon 12)	2.0	2.2	9.5			
Ethylbenzene	**1.7**	**0.65**	**89.4**	**N**		
Freon 113	0.51	0.52	1.9			
m,p-Xylenes	**6.0**	**2.1**	**96.3**	**N**		
o-Xylene	**1.8**	**0.76**	**81.3**	**N**		
PCE	0.51	0.49	4.0			
Toluene	**11**	**4.6**	**82.1**	**N**		
Trichlorofluoromethane (Freon 11)	1.1	1.1	0.0			

Two split samples for IAQ-ROP1-062712 and IAQ-TP1-062712 were submitted to an independent laboratory (CalScience) to check precision between laboratories. As shown on the following tables, the split sample precision was not met for dichlorofluoromethane, m,p-xylenes, o-xylene, toluene, and trifluoromethane in the IAQ-ROP1-062712 split sample pair. The split sample precision was not met for acetone, dichlorofluoromethane, m,p-xylenes, and toluene in the IAQ-TP1-062712

split sample pair. Therefore, these results are estimated (flagged with a "J") due to split sample imprecision.

Compound	IAQ-ROP1-062712 (ug/m3)	IAQ-ROP1-062712-K2 (ug/m3)	RPD	Less than 5X RL?	Difference of two results	Criteria using ±RL
1,2-DCA	0.13 U	0.096	NC	Y	0.034	0.26
1,4-Dichlorobenzene	0.2 U	0.13	NC	Y	0.07	0.40
Acetone	20	21	4.9			
Benzene	0.81	1.3	46.4	Y	0.49	0.52
Carbon Tetrachloride	0.34	0.54	45.5	Y	0.20	0.42
Chloroform	0.18	0.22	20.0			
Dichlorofluoromethane (Freon 12)	**1.9**	**2.6**	**31.1**	**N**		
Ethylbenzene	0.48	0.66	31.6	Y	0.18	0.28
Freon 113	0.47	0.63	29.1	Y	0.16	0.50
Methylene Chloride	2.2	3.3	40.0	Y	1.1	2.2
m,p-Xylenes	**1.3**	**2.0**	**42.4**	**Y**	**0.7**	**0.58**
o-Xylene	**0.44**	**0.8**	**58.1**	**Y**	**0.36**	**0.28**
PCE	0.26	0.42	47.1	Y	0.16	0.44
TCE	0.18 U	0.068	NC	Y	0.112	0.36
Toluene	**3.1**	**4.1**	**27.8**	**N**		
Trichlorofluoromethane (Freon 11)	**1.0**	**1.4**	**33.3**	**N**		

Notes:
U = Not detected at a concentration greater than laboratory RL
NC = RPD not calculated
When one result is detected and the duplicate sample is not, then the difference was calculated using the RL for the non-detect result.

Compound	IAQ-TP1-062712 (ug/m3)	IAQ-TP1-062712-K2 (ug/m3)	RPD	Less than 5X RL?	Difference of two results	Criteria using ±RL
1,2-DCA	0.14 U	0.073	NC	Y	0.067	0.28
Acetone	**16**	**24**	**40.0**	**N**		
Benzene	0.86	0.66	26.3	Y	0.20	0.56
Carbon Tetrachloride	0.4	0.52	26.1	Y	0.12	0.44
Chloroform	0.17	0.13	26.7	Y	0.04	0.34
Dichlorofluoromethane (Freon 12)	**2.0**	**2.7**	**29.8**	**N**		
Ethylbenzene	0.51	0.42	19.4			
Freon 113	0.51	0.64	22.6	Y	0.13	0.52
m,p-Xylenes	**1.5**	**1.0**	**40.0**	**N**		
o-Xylene	0.56	0.46	19.6			
PCE	0.36	0.36	0.0			
TCE	0.18 U	0.063	NC	Y	0.117	0.36
Toluene	**3.2**	**2.2**	**37.0**	**N**		

Compound	IAQ-TP1-062712 (ug/m3)	IAQ-TP1-062712-K2 (ug/m3)	RPD	Less than 5X RL?	Difference of two results	Criteria using ±RL
Trichlorofluoromethane (Freon 11)	1.2	1.4	15.4			

Notes:
U = Not detected at a concentration greater than laboratory RL
NC = RPD not calculated
When one result is detected and the duplicate sample is not, then the difference was calculated using the RL for the non-detect result.

In addition, the laboratory summary QC data for the split samples, including laboratory blanks, LCS, and LCS duplicate data were reviewed; however calibration and raw data were not provided for these samples. Based on the limited data review, no qualification was needed.

VIII. INTERNAL STANDARDS

Internal standard (IS) area counts and retention times for samples were within validation criteria. IS area counts for all samples analyzed were within ± 40 percent of the CCV's IS area; and IS retention times were within 0.33 minutes from the retention time of the associated daily standard, which meet criteria specified in Method TO-15.

IX. TARGET COMPOUND IDENTIFICATION

All positive compound identifications were confirmed through the mass spectra library.

X. COMPOUND QUANTITATION

Several positive results were recalculated to ensure that compound quantitation was accurate. No errors were encountered. Compound quantitation was based on the initial calibration average RF.

XI. SYSTEM PERFORMANCE

The system performance was acceptable.

XII. ION ABUNDANCE CRITERIA

The mass calibration and tune files were reviewed to confirm that the ion abundance criteria met TO-15 criteria (Table 3). All ion abundance criteria were met.

XIII. OVERALL ASSESSMENT OF VOC DATA

All QC criteria evaluated during data validation of the VOC analyses were within acceptable limits, except for one analyte that were qualified based continuing calibration nonconformance and field duplicate and split sample imprecision, which are discussed below.

The carbon tetrachloride concentrations in all samples will be qualified as estimated due to continuing calibration nonconformance.

The ethylbenzene, m,p-xylenes, o-xylene and toluene in the IAQ-FRR1-062712 field duplicate pair; the dichlorofluoromethane, m,p-xylenes, o-xylene, toluene, and trifluoromethane in the IAQ-ROP1-062712 split sample pair; and acetone, dichlorofluoromethane, m,p-xylenes, and toluene in the IAQ-TP1-062712 split sample pair will all be qualified as estimated due to field duplicate imprecision.

Attachment F.2
ISVE1 and ISVE2 Data Validation Memo

DATA VALIDATION REPORT

Project: Omega Chemical Superfund Site
Interim Soil Vapor Extraction (ISVE) System
Vapor Extraction Wells– May 2012

References: USEPA CLP National Functional Guidelines for Superfund Organic Data Review June 2008 (EPA540/R-08/01)

Compendium Method TO-15
Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)
January 1999

AirTechnology Laboratories, Inc. Standard Operating Procedures for EPA Method TO-14A/TO-15

Omega Chemical Superfund Site
Sampling and Analysis Plan for Interim Soil Vapor Extraction System Operation and Monitoring, July 2010 (ISVE SAP)

Reviewer: Barbara Wells
CDM Smith - Irvine, California

Date: July 25, 2012

Analytical Laboratory: CalScience Environmental Laboratories, Inc. (CalScience)
Garden Grove, California

Laboratory Report Number: 12-05-1333

DATA REVIEW

Ten (10) soil vapor samples were collected on May 15, 2012, and delivered to Calscience. The samples were analyzed for volatile organic compounds (VOCs) by Method TO-15. EPA's Functional Guidelines were used to assist in the process of the technical review of the data; however, QC criteria specified in the analytical method, AirTech's Standard Operating Procedures for TO-15, and the ISVE SAP were used as the basis for acceptance or data qualification. A level 4 data package was requested for all of the samples. Sample identification and collection dates are summarized in the following table.

Sample Summary Table

Sample ID	*Lab Sample ID*	*Sample Type*	*Date Sampled*	*Date Analyzed*	*Level IV/ Raw data requested*
OC-SVE-VE – 1S-051512	12-05-1333-1-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 5S-051512	12-05-1333-2-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 6S-051512	12-05-1333-3-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 8S-051512	12-05-1333-4-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 9S-051512	12-05-1333-5-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 10S-051512	12-05-1333-6-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 11S-051512	12-05-1333-7-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 12S-051512	12-05-1333-8-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 14S-051512	12-05-1333-9-A	SG	05/15/12	05/19/12	X
OC-SVE-VE – 15S-051512	12-05-1333-10-A	SG	05/15/12	05/20/12	X

Notes:

SG = Soil gas sample

Several samples were analyzed at a dilution. Dilution factors ranged from 1 to 800.

VOLATILE ORGANIC COMPOUNDS ASSESSMENT – METHOD TO-15

Ten (10) samples were analyzed for VOCs using TO-15 and a Level 4 laboratory package was requested for data validation for all samples. The table above shows which samples have Level IV data provided.

I. TECHNICAL HOLDING TIMES

All technical holding times requirements were met. The air samples were collected on May 15, 2012 and analyzed on May 19 and 20, 2012, which is within five days of collection. Some guidance suggests that samples for Method TO-15 should be analyzed within 14 days of sampling; however, Method TO-15 indicates that canisters can be stored for up to 30 days for many VOCs.

II. INITIAL CALIBRATION

Prior to the analysis of any samples or standards, an instrument performance check must be performed using 50 ng of 4-bromofluorobenzene (BFB). All ion abundances must meet the criteria listed in Table 3 of Method TO-15. Initial calibration of the instrument must be performed using a minimum of five standard concentrations that span the monitoring range of interest. One calibration point must be at the same concentration as the daily calibration standard and one point should be near the detection limit for the compound of interest. For initial calibration to be accepted, the calculated percent relative standard deviation (%RSD) for the relative response factor (RRF) for each compound in the calibration table must be less than 30 percent with at most two exceptions up to a limit of 40 percent.

Initial calibration for instrument GCMS K was performed on May 17, 2012 and instrument GCMS YY was calibrated on May 10, 2012, using a minimum of five concentrations ranging from 0.5 to 100 parts per billion by volume (ppbv), which meets the method requirement. The %RSD for the mean RRF for all target compounds was less than 30 percent for both instruments.

III. CONTINUING CALIBRATION

Prior to the analysis of samples and blanks but after tuning criteria (4-BFB), the initial calibration of the GC/MS must be verified (once every 12 to 24 hours) by analyzing a daily calibration verification standard (a midpoint check standard at 25 ppbv). The calibration verification standard must contain all target analytes. The percent difference (%D) between the continuing calibration RRF and the initial RRF must be within 30 percent in order to proceed with blanks and samples.

Samples were analyzed on May 19 and 20, 2012 on instruments GCMS K and GCMS YY. Prior to sample analysis, a 50 ng BFB tuning standard was analyzed. Mass ion abundance criteria were met for both systems.

The percent difference was below 30 percent for all target compounds for both instruments, except for methyl tert-butyl ether (MTBE) analyzed on May 19, 2012 on instrument GCMS K, which had a difference of 55 percent. The samples included in this batch were analyzed at various dilutions to bring other analytes within the linear calibration range. Therefore, the out-of-range MTBE continuing calibration exceedance had no impact on the project data and no further action is required. The initial calibrations were validated and continuing calibration criteria were met for both instruments and met the project requirements.

IV. METHOD BLANKS

A method blank must be analyzed with each batch of samples immediately after initial calibration is verified and before sample analysis. No target analytes were detected at concentrations above their respective reporting limits in the method blanks. Therefore, all criteria were met and no further action is required.

V. SURROGATES

Three surrogate spikes (1,2-dichloroethane-d4, toluene-d8 and 4-bromofluorobenzene) were added to each environmental sample, QC sample, and method blank. Surrogate spike control limits were established by the laboratory at 70 to 130 percent for all three surrogates. All surrogate recoveries were within the acceptable control limits. No action was taken as these were the only surrogates outside of criteria.

VII. LABORATORY CONTROL SAMPLES (LCS)

Although not required by the method, LCS and LCS duplicate (LCSD) samples were analyzed with these samples. Results from the LCS samples were included in the analytical report. Acceptance limits were established by the laboratory 70 to 130 percent. All LCS and LCSD analyte recoveries were within the acceptable limits. The

LCSD sample was analyzed to assess precision and the relative percent difference (RPD) between the LCS and the duplicate LCS samples were below the laboratory specified limit of 30 percent. Therefore, all criteria were met and no further action is required.

VIII. REGIONAL QUALITY ASSURANCE AND QUALITY CONTROL

No field duplicates were analyzed as part of this sampling event. Field duplicates are collected during the quarterly sampling for vapor monitoring probes and are presented in the Data Quality Assessment Table of the Quarterly Report.

IX. INTERNAL STANDARDS

Internal standard (IS) area counts and retention times were provided in the Level 4 data package. IS area counts for all samples analyzed were within ± 40 percent of the CCV's IS area; and IS retention times were within 0.33 minutes from the retention time of the associated daily standard, which meet criteria specified in Method TO-15.

X. TARGET COMPOUND IDENTIFICATION

All positive compound identifications were confirmed through the mass spectra library.

XI. COMPOUND QUANTITATION

Several positive results were recalculated to ensure that compound quantitation was accurate. No errors were encountered. Compound quantitation was based on the initial calibration average RF.

XII. SYSTEM PERFORMANCE

The system performance was acceptable.

XIII. ION ABUNDANCE CRITERIA

The mass calibration and tune files were reviewed to confirm that the ion abundance criteria met TO-15 criteria (Table 3). All ion abundance criteria were met.

XIV. OVERALL ASSESSMENT OF VOC DATA

All QC criteria evaluated during data validation of the VOC analyses were within acceptable limits.

DATA VALIDATION REPORT

Project: Omega Chemical Superfund Site
Interim Soil Vapor Extraction 2 (ISVE2) System
Vapor Extraction Wells– May 2012

References: USEPA CLP National Functional Guidelines for Superfund Organic Data Review June 2008 (EPA540/R-08/01)

Compendium Method TO-15
Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)
January 1999

AirTechnology Laboratories, Inc. Standard Operating Procedures for EPA Method TO-14A/TO-15

Omega Chemical Superfund Site
Sampling and Analysis Plan for Interim Soil Vapor Extraction System Operation and Monitoring, July 2010 (ISVE SAP)

Reviewer: Barbara Wells
CDM Smith - Irvine, California

Date: July 25, 2012

Analytical Laboratory: CalScience Environmental Laboratories, Inc. (CalScience)
Garden Grove, California

Laboratory Report Number: 12-05-1330

DATA REVIEW

Ten (10) soil vapor samples were collected on May 17, 2012, and delivered to Calscience. The samples were analyzed for volatile organic compounds (VOCs) by Method TO-15. EPA's Functional Guidelines were used to assist in the process of the technical review of the data; however, QC criteria specified in the analytical method, AirTech's Standard Operating Procedures for TO-15, and the ISVE SAP were used as the basis for acceptance or data qualification. A level 4 data package was requested for all of the samples. Sample identification and collection dates are summarized in the following table.

Sample Summary Table

Sample ID	*Lab Sample ID*	*Sample Type*	*Date Sampled*	*Date Analyzed*	*Level IV/ Raw data requested*
OC-SVE2-VE – 21S-051612	12-05-1330-1-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 22S-051612	12-05-1330-2-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 23S-051612	12-05-1330-3-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 24S-051612	12-05-1330-4-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 25S-051612	12-05-1330-5-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 26S-051612	12-05-1330-6-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 27S-051612	12-05-1330-7-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 28S-051612	12-05-1330-8-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 29S-051612	12-05-1330-9-A	SG	05/16/12	05/18/12	X
OC-SVE2-VE – 30S-051612	12-05-1330-10-A	SG	05/16/12	05/18/12	X

Notes:

SG = Soil gas sample

Several samples were analyzed at a dilution. Dilution factors ranged from 1 to 250.

VOLATILE ORGANIC COMPOUNDS ASSESSMENT – METHOD TO-15

Ten (10) samples were analyzed for VOCs using TO-15 and a Level 4 laboratory package was requested for data validation for all samples. The table above shows which samples have Level IV data provided.

I. TECHNICAL HOLDING TIMES

All technical holding times requirements were met. The air samples were collected on May 16, 2012 and analyzed on May 18, 2012, which is within two days of collection. Some guidance suggests that samples for Method TO-15 should be analyzed within 14 days of sampling; however, Method TO-15 indicates that canisters can be stored for up to 30 days for many VOCs.

II. INITIAL CALIBRATION

Prior to the analysis of any samples or standards, an instrument performance check must be performed using 50 ng of 4-bromofluorobenzene (BFB). All ion abundances must meet the criteria listed in Table 3 of Method TO-15. Initial calibration of the instrument must be performed using a minimum of five standard concentrations that span the monitoring range of interest. One calibration point must be at the same concentration as the daily calibration standard and one point should be near the detection limit for the compound of interest. For initial calibration to be accepted, the calculated percent relative standard deviation (%RSD) for the relative response factor (RRF) for each compound in the calibration table must be less than 30 percent with at most two exceptions up to a limit of 40 percent.

Initial calibration for instrument GCMS K and GCMS II were performed on May 17, 2012 and instrument GCMS YY was calibrated on May 10, 2012, using a minimum of five concentrations ranging from 0.5 to 100 parts per billion by volume (ppbv), which meets the method requirement. The %RSD for the mean RRF for all target compounds was less than 30 percent for both instruments.

III. CONTINUING CALIBRATION

Prior to the analysis of samples and blanks but after tuning criteria (4-BFB), the initial calibration of the GC/MS must be verified (once every 12 to 24 hours) by analyzing a daily calibration verification standard (a midpoint check standard at 25 ppbv). The calibration verification standard must contain all target analytes. The percent difference (%D) between the continuing calibration RRF and the initial RRF must be within 30 percent in order to proceed with blanks and samples.

Samples were analyzed on May 18, 2012 on instruments GCMS K, GCMS II and GCMS YY. Prior to sample analysis, a 50 ng BFB tuning standard was analyzed. Mass ion abundance criteria were met for all systems.

The percent difference was below 30 percent for all target compounds for all instruments, except for propene in instrument GCMS II, which had a difference of 32 percent. The samples included in this batch were analyzed at various dilutions to bring other analytes within the linear calibration range. Therefore, the out-of-range propene continuing calibration exceedance had no impact on the project data and no further action is required. The initial calibrations were validated and continuing calibration criteria were met for all three instruments and met the project requirements.

IV. METHOD BLANKS

A method blank must be analyzed with each batch of samples immediately after initial calibration is verified and before sample analysis. No target analytes were detected at concentrations above their respective reporting limits in the method blanks. Therefore, all criteria were met and no further action is required.

V. SURROGATES

Three surrogate spikes (1,2-dichloroethane-d4, toluene-d8 and 4-bromofluorobenzene) were added to each environmental sample, QC sample, and method blank. Surrogate spike control limits were established by the laboratory at 70 to 130 percent for all three surrogates. All surrogate recoveries were within the acceptable control limits. No action was taken as these were the only surrogates outside of criteria.

VII. LABORATORY CONTROL SAMPLES (LCS)

Although not required by the method, LCS and LCS duplicate (LCSD) samples were analyzed with these samples. Results from the LCS samples were included in the analytical report. Acceptance limits were established by the laboratory 70 to 130 percent. All LCS and LCSD analyte recoveries were within the acceptable limits. The

LCSD sample was analyzed to assess precision and the relative percent difference (RPD) between the LCS and the duplicate LCS samples were below the laboratory specified limit of 30 percent, for all analytes except trichlorofluoromethane analyzed on instrument GCMS II. Because this instrument was only used to analyze other analytes that were reported at elevated concentrations, the high LCS RPD had no impact on the project data. Therefore, all criteria were met and no further action is required.

VIII. REGIONAL QUALITY ASSURANCE AND QUALITY CONTROL

No field duplicates were analyzed as part of this sampling event. Field duplicates are collected during the quarterly sampling for vapor monitoring probes and are presented in the Data Quality Assessment Table of the Quarterly Report.

IX. INTERNAL STANDARDS

Internal standard (IS) area counts and retention times were provided in the Level 4 data package. IS area counts for all samples analyzed were within ± 40 percent of the CCV's IS area; and IS retention times were within 0.33 minutes from the retention time of the associated daily standard, which meet criteria specified in Method TO-15.

X. TARGET COMPOUND IDENTIFICATION

All positive compound identifications were confirmed through the mass spectra library.

XI. COMPOUND QUANTITATION

Several positive results were recalculated to ensure that compound quantitation was accurate. No errors were encountered. Compound quantitation was based on the initial calibration average RF.

XII. SYSTEM PERFORMANCE

The system performance was acceptable.

XIII. ION ABUNDANCE CRITERIA

The mass calibration and tune files were reviewed to confirm that the ion abundance criteria met TO-15 criteria (Table 3). All ion abundance criteria were met.

XIV. OVERALL ASSESSMENT OF VOC DATA

All QC criteria evaluated during data validation of the VOC analyses were within acceptable limits.

Attachment F.3
IAQ Laboratory Data Reports

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4/29/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500-90421-AOC-IAQ
Workorder #: 1204415

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 4/20/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1204415

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	
FAX:	949-725-3790	**PROJECT #**	10500-90421-AOC-IAQ Omega IAQ
DATE RECEIVED:	04/20/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	04/29/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-MM1-041812	Modified TO-15 SIM	6.5 "Hg	5 psi
02A	IAQ-MM2-041812	Modified TO-15 SIM	6.5 "Hg	5 psi
03A	Lab Blank	Modified TO-15 SIM	NA	NA
04A	CCV	Modified TO-15 SIM	NA	NA
05A	LCS	Modified TO-15 SIM	NA	NA
05AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda J. Freeman DATE: 04/29/12

Laboratory Director

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins | Air Toxics, Inc.

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

LABORATORY NARRATIVE
Modified TO-15 SIM
CDM Smith Inc.
Workorder# 1204415

Two 6 Liter Summa Canister (SIM Certified) samples were received on April 20, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

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

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-MM1-041812

Lab ID#: 1204415-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.56	0.17	2.8
Freon 11	0.034	3.2	0.19	18
1,1-Dichloroethene	0.017	11	0.068	45
Freon 113	0.034	9.7	0.26	75
Chloroform	0.034	0.053	0.17	0.26
Carbon Tetrachloride	0.034	0.13 J	0.22	0.81 J
Benzene	0.086	0.41	0.27	1.3
1,2-Dichloroethane	0.034	0.036 J	0.14	0.15 J
Trichloroethene	0.034	1.6	0.18	8.5
Toluene	0.034	2.2	0.13	8.2
Tetrachloroethene	0.034	8.9	0.23	60
Ethyl Benzene	0.034	0.20	0.15	0.89
m,p-Xylene	0.068	0.76	0.30	3.3
o-Xylene	0.034	0.30	0.15	1.3
1,4-Dichlorobenzene	0.034	0.12	0.20	0.70
Acetone	0.86	8.7	2.0	21
Methylene Chloride	0.34	0.36	1.2	1.2

Client Sample ID: IAQ-MM2-041812

Lab ID#: 1204415-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.60	0.17	3.0
Freon 11	0.034	0.32	0.19	1.8
1,1-Dichloroethene	0.017	0.16	0.068	0.64
Freon 113	0.034	0.29	0.26	2.2
Chloroform	0.034	0.053	0.17	0.26
1,1,1-Trichloroethane	0.034	0.041	0.19	0.22
Carbon Tetrachloride	0.034	0.17 J	0.22	1.1 J
Benzene	0.086	1.1	0.27	3.4
1,2-Dichloroethane	0.034	0.040 J	0.14	0.16 J
Trichloroethene	0.034	0.045	0.18	0.24
Toluene	0.034	7.0	0.13	26

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-MM2-041812

Lab ID#: 1204415-02A

Tetrachloroethene	0.034	0.11	0.23	0.77
Ethyl Benzene	0.034	0.81	0.15	3.5
m,p-Xylene	0.068	3.2	0.30	14
o-Xylene	0.034	1.0	0.15	4.5
Acetone	0.86	11	2.0	27
Methylene Chloride	0.34	0.55	1.2	1.9

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Client Sample ID: IAQ-MM1-041812

Lab ID#: 1204415-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c042609**	**Date of Collection:**	**4/18/12 6:55:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/26/12 03:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.56	0.17	2.8
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	3.2	0.19	18
1,1-Dichloroethene	0.017	11	0.068	45
Freon 113	0.034	9.7	0.26	75
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.053	0.17	0.26
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.13 J	0.22	0.81 J
Benzene	0.086	0.41	0.27	1.3
1,2-Dichloroethane	0.034	0.036 J	0.14	0.15 J
Trichloroethene	0.034	1.6	0.18	8.5
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	2.2	0.13	8.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	8.9	0.23	60
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.20	0.15	0.89
m,p-Xylene	0.068	0.76	0.30	3.3
o-Xylene	0.034	0.30	0.15	1.3
1,4-Dichlorobenzene	0.034	0.12	0.20	0.70
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	8.7	2.0	21
Methylene Chloride	0.34	0.36	1.2	1.2
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-MM2-041812

Lab ID#: 1204415-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c042610**	**Date of Collection:**	**4/18/12 6:58:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/26/12 03:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.60	0.17	3.0
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.32	0.19	1.8
1,1-Dichloroethene	0.017	0.16	0.068	0.64
Freon 113	0.034	0.29	0.26	2.2
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.053	0.17	0.26
1,1,1-Trichloroethane	0.034	0.041	0.19	0.22
Carbon Tetrachloride	0.034	0.17 J	0.22	1.1 J
Benzene	0.086	1.1	0.27	3.4
1,2-Dichloroethane	0.034	0.040 J	0.14	0.16 J
Trichloroethene	0.034	0.045	0.18	0.24
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	7.0	0.13	26
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.11	0.23	0.77
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.81	0.15	3.5
m,p-Xylene	0.068	3.2	0.30	14
o-Xylene	0.034	1.0	0.15	4.5
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	11	2.0	27
Methylene Chloride	0.34	0.55	1.2	1.9
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	123	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1204415-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c042608**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/26/12 02:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected UJ	0.081	Not Detected UJ
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1204415-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c042604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/26/12 10:35 AM**	

Compound	**%Recovery**
Freon 12	88
Vinyl Chloride	82
Freon 11	85
1,1-Dichloroethene	86
Freon 113	87
1,1-Dichloroethane	86
cis-1,2-Dichloroethene	87
Chloroform	86
1,1,1-Trichloroethane	85
Carbon Tetrachloride	140 Q
Benzene	70
1,2-Dichloroethane	68 Q
Trichloroethene	82
trans-1,3-Dichloropropene	97
Toluene	83
1,1,2-Trichloroethane	86
Tetrachloroethene	87
Chlorobenzene	89
Ethyl Benzene	92
m,p-Xylene	94
o-Xylene	94
1,4-Dichlorobenzene	110
1,2-Dichlorobenzene	108
trans-1,2-Dichloroethene	85
Acetone	76
Methylene Chloride	75
Methyl tert-butyl ether	85
1,1,2,2-Tetrachloroethane	92

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: LCS

Lab ID#: 1204415-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c042605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/26/12 11:21 AM**	

Compound	**%Recovery**
Freon 12	106
Vinyl Chloride	99
Freon 11	100
1,1-Dichloroethene	106
Freon 113	101
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	102
Chloroform	101
1,1,1-Trichloroethane	100
Carbon Tetrachloride	103
Benzene	82
1,2-Dichloroethane	79
Trichloroethene	96
trans-1,3-Dichloropropene	108
Toluene	96
1,1,2-Trichloroethane	98
Tetrachloroethene	99
Chlorobenzene	103
Ethyl Benzene	107
m,p-Xylene	112
o-Xylene	110
1,4-Dichlorobenzene	127
1,2-Dichlorobenzene	126
trans-1,2-Dichloroethene	111
Acetone	83
Methylene Chloride	86
Methyl tert-butyl ether	100
1,1,2,2-Tetrachloroethane	106

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: LCSD

Lab ID#: 1204415-05AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c042606**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/26/12 12:09 PM**	

Compound	**%Recovery**
Freon 12	94
Vinyl Chloride	89
Freon 11	89
1,1-Dichloroethene	96
Freon 113	89
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	91
Chloroform	90
1,1,1-Trichloroethane	89
Carbon Tetrachloride	91
Benzene	73
1,2-Dichloroethane	72
Trichloroethene	86
trans-1,3-Dichloropropene	99
Toluene	84
1,1,2-Trichloroethane	90
Tetrachloroethene	89
Chlorobenzene	93
Ethyl Benzene	96
m,p-Xylene	98
o-Xylene	96
1,4-Dichlorobenzene	108
1,2-Dichlorobenzene	107
trans-1,2-Dichloroethene	99
Acetone	75
Methylene Chloride	77
Methyl tert-butyl ether	88
1,1,2,2-Tetrachloroethane	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

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5/15/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500
Workorder #: 1205023

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 5/2/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1205023

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	90421-AOC.IAQ
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	05/02/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/15/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-FRR1-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
01B	IAQ-FRR1-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
02A	IAQ-FRR1-043012-K	Modified TO-15 SIM	6.0 "Hg	5 psi
02B	IAQ-FRR1-043012-K	Modified TO-15 SIM	6.0 "Hg	5 psi
03A	IAQ-FRR2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
03B	IAQ-FRR2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
04A	IAQ-FRR3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
04B	IAQ-FRR3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
05A	IAQ-WCCS2-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
05B	IAQ-WCCS2-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
06A	IAQ-WCCS3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
06B	IAQ-WCCS3-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
07A	IAQ-WCCS4-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
07B	IAQ-WCCS4-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
08A	IAQ-WCCS6-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
08B	IAQ-WCCS6-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
09A	IAQ-WCCS7-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
09B	IAQ-WCCS7-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
10A	IAQ-WCCS7-043012-K	Modified TO-15 SIM	6.5 "Hg	5 psi
10B	IAQ-WCCS7-043012-K	Modified TO-15 SIM	6.5 "Hg	5 psi
11A	IAQ-ROP1-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
11B	IAQ-ROP1-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
12A	IAQ-ROP2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi

Continued on next page

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WORK ORDER #: 1205023

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	90421-AOC.IAQ
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	05/02/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/15/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
12B	IAQ-ROP2-043012	Modified TO-15 SIM	6.0 "Hg	5 psi
13A	IAQ-ROP3-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
13B	IAQ-ROP3-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
14A	IAQ-ROP4-043012	Modified TO-15 SIM	5.0 "Hg	5 psi
14B	IAQ-ROP4-043012	Modified TO-15 SIM	5.0 "Hg	5 psi
15A	IAQ-ROP5-043012	Modified TO-15 SIM	4.5 "Hg	5 psi
15B	IAQ-ROP5-043012	Modified TO-15 SIM	4.5 "Hg	5 psi
16A	IAQ-AA22-043012	Modified TO-15 SIM	7.5 "Hg	5 psi
16B	IAQ-AA22-043012	Modified TO-15 SIM	7.5 "Hg	5 psi
17A	IAQ-AA16-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
17B	IAQ-AA16-043012	Modified TO-15 SIM	7.0 "Hg	5 psi
18A	IAQ-AA8-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
18B	IAQ-AA8-043012	Modified TO-15 SIM	6.5 "Hg	5 psi
19A	Lab Blank	Modified TO-15 SIM	NA	NA
19B	Lab Blank	Modified TO-15 SIM	NA	NA
19C	Lab Blank	Modified TO-15 SIM	NA	NA
19D	Lab Blank	Modified TO-15 SIM	NA	NA
19E	Lab Blank	Modified TO-15 SIM	NA	NA
20A	CCV	Modified TO-15 SIM	NA	NA
20B	CCV	Modified TO-15 SIM	NA	NA
20C	CCV	Modified TO-15 SIM	NA	NA
20D	CCV	Modified TO-15 SIM	NA	NA
20E	CCV	Modified TO-15 SIM	NA	NA

Continued on next page

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WORK ORDER #: 1205023

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	90421-AOC.IAQ
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	05/02/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/15/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
21A	LCS	Modified TO-15 SIM	NA	NA
21AA	LCSD	Modified TO-15 SIM	NA	NA
21B	LCS	Modified TO-15 SIM	NA	NA
21BB	LCSD	Modified TO-15 SIM	NA	NA
21C	LCS	Modified TO-15 SIM	NA	NA
21CC	LCSD	Modified TO-15 SIM	NA	NA
21D	LCS	Modified TO-15 SIM	NA	NA
21DD	LCSD	Modified TO-15 SIM	NA	NA
21E	LCS	Modified TO-15 SIM	NA	NA
21EE	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda J. Freeman

Laboratory Director

DATE: 05/15/12

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15 SIM
CDM Smith Inc.
Workorder# 1205023

Eighteen 6 Liter Summa Canister (SIM Certified) samples were received on May 02, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

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

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-FRR1-043012

Lab ID#: 1205023-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.18	0.19	1.0
Freon 113	0.034	0.054	0.26	0.41
Carbon Tetrachloride	0.034	0.059	0.22	0.37
Benzene	0.086	0.16	0.27	0.52
1,2-Dichloroethane	0.034	0.072	0.14	0.29
Toluene	0.034	0.72	0.13	2.7
Tetrachloroethene	0.034	0.093	0.23	0.63
Ethyl Benzene	0.034	0.069	0.15	0.30
m,p-Xylene	0.068	0.19	0.30	0.84
o-Xylene	0.034	0.065	0.15	0.28
1,4-Dichlorobenzene	0.034	1.5	0.20	9.2
Acetone	0.86	11	2.0	26

Client Sample ID: IAQ-FRR1-043012

Lab ID#: 1205023-01B

No Detections Were Found.

Client Sample ID: IAQ-FRR1-043012-K

Lab ID#: 1205023-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.18	0.19	1.0
Freon 113	0.034	0.074	0.26	0.57
Carbon Tetrachloride	0.034	0.066	0.21	0.42
Benzene	0.084	0.17	0.27	0.54
1,2-Dichloroethane	0.034	0.058	0.14	0.23
Toluene	0.034	0.73	0.13	2.7
Tetrachloroethene	0.034	0.086	0.23	0.58
Ethyl Benzene	0.034	0.064	0.14	0.28
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	1.5	0.20	9.0

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-FRR1-043012-K

Lab ID#: 1205023-02A

Acetone	0.84	12	2.0	28

Client Sample ID: IAQ-FRR1-043012-K

Lab ID#: 1205023-02B

No Detections Were Found.

Client Sample ID: IAQ-FRR2-043012

Lab ID#: 1205023-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.18	0.19	1.0
Freon 113	0.034	0.075	0.26	0.58
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.084	0.18	0.27	0.58
Toluene	0.034	0.92	0.13	3.5
Tetrachloroethene	0.034	0.036	0.23	0.24
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	0.18	0.20	1.0
Acetone	0.84	9.7	2.0	23

Client Sample ID: IAQ-FRR2-043012

Lab ID#: 1205023-03B

No Detections Were Found.

Client Sample ID: IAQ-FRR3-043012

Lab ID#: 1205023-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.078	0.26	0.60
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.18	0.27	0.56

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-FRR3-043012

Lab ID#: 1205023-04A

Toluene	0.034	0.41	0.13	1.6
Tetrachloroethene	0.034	0.048	0.23	0.32
Ethyl Benzene	0.034	0.056	0.14	0.24
m,p-Xylene	0.067	0.17	0.29	0.73
o-Xylene	0.034	0.062	0.14	0.27
Acetone	0.84	6.5	2.0	16

Client Sample ID: IAQ-FRR3-043012

Lab ID#: 1205023-04B

No Detections Were Found.

Client Sample ID: IAQ-WCCS2-043012

Lab ID#: 1205023-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.056	0.068	0.22
Freon 113	0.034	0.067	0.26	0.51
Carbon Tetrachloride	0.034	0.064	0.22	0.40
Benzene	0.086	0.17	0.27	0.54
Toluene	0.034	0.32	0.13	1.2
Tetrachloroethene	0.034	0.047	0.23	0.32
Ethyl Benzene	0.034	0.047	0.15	0.20
m,p-Xylene	0.068	0.14	0.30	0.62
o-Xylene	0.034	0.048	0.15	0.21
Acetone	0.86	5.6	2.0	13

Client Sample ID: IAQ-WCCS2-043012

Lab ID#: 1205023-05B

No Detections Were Found.

Client Sample ID: IAQ-WCCS3-043012

Lab ID#: 1205023-06A

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-WCCS3-043012

Lab ID#: 1205023-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.052	0.067	0.20
Freon 113	0.034	0.076	0.26	0.58
Carbon Tetrachloride	0.034	0.064	0.21	0.40
Benzene	0.084	0.16	0.27	0.53
Toluene	0.034	0.32	0.13	1.2
Tetrachloroethene	0.034	0.041	0.23	0.28
Ethyl Benzene	0.034	0.042	0.14	0.18
m,p-Xylene	0.067	0.13	0.29	0.57
o-Xylene	0.034	0.051	0.14	0.22
Acetone	0.84	5.3	2.0	12

Client Sample ID: IAQ-WCCS3-043012

Lab ID#: 1205023-06B

No Detections Were Found.

Client Sample ID: IAQ-WCCS4-043012

Lab ID#: 1205023-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.076	0.26	0.58
Carbon Tetrachloride	0.034	0.068	0.22	0.43
Benzene	0.086	0.16	0.27	0.51
Toluene	0.034	0.32	0.13	1.2
Tetrachloroethene	0.034	0.070	0.23	0.47
Ethyl Benzene	0.034	0.042	0.15	0.18
m,p-Xylene	0.068	0.12	0.30	0.54
o-Xylene	0.034	0.060	0.15	0.26
Acetone	0.86	6.3	2.0	15

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-WCCS4-043012

Lab ID#: 1205023-07B

No Detections Were Found.

Client Sample ID: IAQ-WCCS6-043012

Lab ID#: 1205023-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.20	0.19	1.2
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.073	0.26	0.56
Carbon Tetrachloride	0.034	0.065	0.22	0.41
Benzene	0.086	0.16	0.27	0.51
Toluene	0.034	0.30	0.13	1.1
Ethyl Benzene	0.034	0.044	0.15	0.19
m,p-Xylene	0.068	0.13	0.30	0.55
o-Xylene	0.034	0.067	0.15	0.29
Acetone	0.86	5.3	2.0	13

Client Sample ID: IAQ-WCCS6-043012

Lab ID#: 1205023-08B

No Detections Were Found.

Client Sample ID: IAQ-WCCS7-043012

Lab ID#: 1205023-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.058	0.069	0.23
Freon 113	0.035	0.079	0.27	0.60
Carbon Tetrachloride	0.035	0.073	0.22	0.46
Benzene	0.088	0.16	0.28	0.52
Toluene	0.035	0.30	0.13	1.2
Ethyl Benzene	0.035	0.044	0.15	0.19
m,p-Xylene	0.070	0.13	0.30	0.57
o-Xylene	0.035	0.070	0.15	0.30

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-WCCS7-043012

Lab ID#: 1205023-09A

Acetone	0.88	5.2	2.1	12

Client Sample ID: IAQ-WCCS7-043012

Lab ID#: 1205023-09B

No Detections Were Found.

Client Sample ID: IAQ-WCCS7-043012-K

Lab ID#: 1205023-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.55	0.19	3.1
1,1-Dichloroethene	0.017	0.11	0.068	0.43
Freon 113	0.034	0.13	0.26	1.0
Chloroform	0.034	0.047	0.17	0.23
Carbon Tetrachloride	0.034	0.16	0.22	1.0
Benzene	0.086	0.35	0.27	1.1
1,2-Dichloroethane	0.034	0.051	0.14	0.21
Toluene	0.034	0.77	0.13	2.9
Tetrachloroethene	0.034	0.072	0.23	0.49
Ethyl Benzene	0.034	0.10	0.15	0.43
m,p-Xylene	0.068	0.30	0.30	1.3
o-Xylene	0.034	0.14	0.15	0.59
Acetone	0.86	13	2.0	31
Methylene Chloride	0.34	0.37	1.2	1.3

Client Sample ID: IAQ-WCCS7-043012-K

Lab ID#: 1205023-10B

No Detections Were Found.

Client Sample ID: IAQ-ROP1-043012

Lab ID#: 1205023-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.22	0.19	1.3

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-ROP1-043012

Lab ID#: 1205023-11A

1,1-Dichloroethene	0.017	0.058	0.067	0.23
Freon 113	0.034	0.061	0.26	0.47
Carbon Tetrachloride	0.034	0.070	0.21	0.44
Benzene	0.084	0.17	0.27	0.56
Toluene	0.034	0.78	0.13	2.9
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.045	0.14	0.19
Acetone	0.84	10	2.0	25
Methylene Chloride	0.34	0.90	1.2	3.1

Client Sample ID: IAQ-ROP1-043012

Lab ID#: 1205023-11B

No Detections Were Found.

Client Sample ID: IAQ-ROP2-043012

Lab ID#: 1205023-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	0.041	0.067	0.16
Freon 113	0.034	0.068	0.26	0.52
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.16	0.27	0.52
Toluene	0.034	0.34	0.13	1.3
Ethyl Benzene	0.034	0.047	0.14	0.20
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.070	0.14	0.30
Acetone	0.84	6.4	2.0	15

Client Sample ID: IAQ-ROP2-043012

Lab ID#: 1205023-12B

No Detections Were Found.

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-ROP3-043012

Lab ID#: 1205023-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.22	0.19	1.2
1,1-Dichloroethene	0.017	0.064	0.068	0.25
Freon 113	0.034	0.083	0.26	0.64
Carbon Tetrachloride	0.034	0.074	0.22	0.46
Benzene	0.086	0.16	0.27	0.52
Toluene	0.034	0.51	0.13	1.9
Ethyl Benzene	0.034	0.064	0.15	0.28
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.075	0.15	0.32
Acetone	0.86	10	2.0	24
Methylene Chloride	0.34	0.34	1.2	1.2

Client Sample ID: IAQ-ROP3-043012

Lab ID#: 1205023-13B

No Detections Were Found.

Client Sample ID: IAQ-ROP4-043012

Lab ID#: 1205023-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.032	0.24	0.18	1.3
1,1-Dichloroethene	0.016	0.11	0.064	0.44
Freon 113	0.032	0.080	0.25	0.61
Carbon Tetrachloride	0.032	0.071	0.20	0.45
Benzene	0.080	0.16	0.26	0.50
Toluene	0.032	0.42	0.12	1.6
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.064	0.12	0.28	0.52
o-Xylene	0.032	0.065	0.14	0.28
Acetone	0.80	30	1.9	71

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-ROP4-043012

Lab ID#: 1205023-14B

No Detections Were Found.

Client Sample ID: IAQ-ROP5-043012

Lab ID#: 1205023-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.032	0.25	0.18	1.4
1,1-Dichloroethene	0.016	0.14	0.063	0.56
Freon 113	0.032	0.079	0.24	0.60
Chloroform	0.032	0.053	0.15	0.26
Carbon Tetrachloride	0.032	0.067	0.20	0.42
Benzene	0.079	0.16	0.25	0.50
Toluene	0.032	0.34	0.12	1.3
Tetrachloroethene	0.032	0.041	0.21	0.28
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.063	0.13	0.27	0.57
o-Xylene	0.032	0.045	0.14	0.20
Acetone	0.79	99 E	1.9	240 E

Client Sample ID: IAQ-ROP5-043012

Lab ID#: 1205023-15B

No Detections Were Found.

Client Sample ID: IAQ-AA22-043012

Lab ID#: 1205023-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.036	0.23	0.20	1.3
1,1-Dichloroethene	0.018	0.062	0.071	0.25
Freon 113	0.036	0.091	0.27	0.70
Carbon Tetrachloride	0.036	0.072	0.22	0.45
Benzene	0.090	0.16	0.28	0.52
Toluene	0.036	0.32	0.13	1.2
Ethyl Benzene	0.036	0.042	0.16	0.18

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-AA22-043012

Lab ID#: 1205023-16A

m,p-Xylene	0.072	0.12	0.31	0.51
o-Xylene	0.036	0.060	0.16	0.26
Acetone	0.90	5.2	2.1	12

Client Sample ID: IAQ-AA22-043012

Lab ID#: 1205023-16B

No Detections Were Found.

Client Sample ID: IAQ-AA16-043012

Lab ID#: 1205023-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.046	0.069	0.18
Freon 113	0.035	0.077	0.27	0.59
Carbon Tetrachloride	0.035	0.072	0.22	0.45
Benzene	0.088	0.17	0.28	0.54
Toluene	0.035	0.32	0.13	1.2
Ethyl Benzene	0.035	0.046	0.15	0.20
m,p-Xylene	0.070	0.13	0.30	0.56
o-Xylene	0.035	0.048	0.15	0.21
Acetone	0.88	6.2	2.1	15

Client Sample ID: IAQ-AA16-043012

Lab ID#: 1205023-17B

No Detections Were Found.

Client Sample ID: IAQ-AA8-043012

Lab ID#: 1205023-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.034	0.26	0.19	1.5
1,1-Dichloroethene	0.017	0.20	0.068	0.82
Freon 113	0.034	0.081	0.26	0.62

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IAQ-AA8-043012

Lab ID#: 1205023-18A

Carbon Tetrachloride	0.034	0.073	0.22	0.46
Benzene	0.086	0.18	0.27	0.56
Toluene	0.034	0.38	0.13	1.4
Tetrachloroethene	0.034	0.049	0.23	0.33
Ethyl Benzene	0.034	0.052	0.15	0.23
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.068	0.15	0.30
Acetone	0.86	6.4	2.0	15

Client Sample ID: IAQ-AA8-043012

Lab ID#: 1205023-18B

No Detections Were Found.

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Client Sample ID: IAQ-FRR1-043012

Lab ID#: 1205023-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050920**	**Date of Collection:**	**4/30/12 7:24:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 11:30 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.18	0.19	1.0
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.054	0.26	0.41
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.059	0.22	0.37
Benzene	0.086	0.16	0.27	0.52
1,2-Dichloroethane	0.034	0.072	0.14	0.29
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.72	0.13	2.7
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.093	0.23	0.63
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.069	0.15	0.30
m,p-Xylene	0.068	0.19	0.30	0.84
o-Xylene	0.034	0.065	0.15	0.28
1,4-Dichlorobenzene	0.034	1.5	0.20	9.2
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	11	2.0	26
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-FRR1-043012

Lab ID#: 1205023-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051007sim**	**Date of Collection:**	**4/30/12 7:24:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 01:01 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: IAQ-FRR1-043012-K

Lab ID#: 1205023-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050921**	**Date of Collection:**	**4/30/12 7:25:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 12:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.18	0.19	1.0
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.074	0.26	0.57
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.066	0.21	0.42
Benzene	0.084	0.17	0.27	0.54
1,2-Dichloroethane	0.034	0.058	0.14	0.23
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.73	0.13	2.7
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.086	0.23	0.58
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.064	0.14	0.28
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	1.5	0.20	9.0
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	12	2.0	28
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-FRR1-043012-K

Lab ID#: 1205023-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051008sim**	**Date of Collection:**	**4/30/12 7:25:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 01:37 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: IAQ-FRR2-043012

Lab ID#: 1205023-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050922**	**Date of Collection:**	**4/30/12 7:27:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 01:03 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.18	0.19	1.0
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.075	0.26	0.58
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.084	0.18	0.27	0.58
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.92	0.13	3.5
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.036	0.23	0.24
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.19	0.29	0.83
o-Xylene	0.034	0.084	0.14	0.36
1,4-Dichlorobenzene	0.034	0.18	0.20	1.0
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	9.7	2.0	23
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-FRR2-043012

Lab ID#: 1205023-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051009sim**	**Date of Collection:**	**4/30/12 7:27:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 02:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IAQ-FRR3-043012

Lab ID#: 1205023-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050923**	**Date of Collection:**	**4/30/12 7:28:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 01:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.078	0.26	0.60
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.18	0.27	0.56
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.41	0.13	1.6
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.048	0.23	0.32
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.056	0.14	0.24
m,p-Xylene	0.067	0.17	0.29	0.73
o-Xylene	0.034	0.062	0.14	0.27
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	6.5	2.0	16
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: IAQ-FRR3-043012

Lab ID#: 1205023-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051010sim**	**Date of Collection:**	**4/30/12 7:28:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 03:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-WCCS2-043012

Lab ID#: 1205023-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050924**	**Date of Collection:**	**4/30/12 8:00:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 02:17 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.056	0.068	0.22
Freon 113	0.034	0.067	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.064	0.22	0.40
Benzene	0.086	0.17	0.27	0.54
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.047	0.23	0.32
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.047	0.15	0.20
m,p-Xylene	0.068	0.14	0.30	0.62
o-Xylene	0.034	0.048	0.15	0.21
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	5.6	2.0	13
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-WCCS2-043012

Lab ID#: 1205023-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051011sim**	**Date of Collection:**	**4/30/12 8:00:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 03:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	103	70-130

eurofins | Air Toxics

Client Sample ID: IAQ-WCCS3-043012

Lab ID#: 1205023-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051008**	**Date of Collection:**	**4/30/12 7:52:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 07:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.052	0.067	0.20
Freon 113	0.034	0.076	0.26	0.58
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.064	0.21	0.40
Benzene	0.084	0.16	0.27	0.53
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.041	0.23	0.28
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.042	0.14	0.18
m,p-Xylene	0.067	0.13	0.29	0.57
o-Xylene	0.034	0.051	0.14	0.22
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	5.3	2.0	12
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS3-043012

Lab ID#: 1205023-06B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051012sim**	**Date of Collection:**	**4/30/12 7:52:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 04:37 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-WCCS4-043012

Lab ID#: 1205023-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051009**	**Date of Collection:**	**4/30/12 7:58:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 08:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.076	0.26	0.58
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.068	0.22	0.43
Benzene	0.086	0.16	0.27	0.51
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.070	0.23	0.47
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.042	0.15	0.18
m,p-Xylene	0.068	0.12	0.30	0.54
o-Xylene	0.034	0.060	0.15	0.26
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	6.3	2.0	15
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-WCCS4-043012

Lab ID#: 1205023-07B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051013sim**	**Date of Collection:**	**4/30/12 7:58:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 05:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-WCCS6-043012

Lab ID#: 1205023-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051010**	**Date of Collection:**	**4/30/12 8:06:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 09:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.20	0.19	1.2
1,1-Dichloroethene	0.017	0.051	0.068	0.20
Freon 113	0.034	0.073	0.26	0.56
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.065	0.22	0.41
Benzene	0.086	0.16	0.27	0.51
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.30	0.13	1.1
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.044	0.15	0.19
m,p-Xylene	0.068	0.13	0.30	0.55
o-Xylene	0.034	0.067	0.15	0.29
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	5.3	2.0	13
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS6-043012

Lab ID#: 1205023-08B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051014sim**	**Date of Collection:**	**4/30/12 8:06:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 05:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-WCCS7-043012

Lab ID#: 1205023-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051011**	**Date of Collection:**	**4/30/12 8:04:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**5/10/12 09:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	Not Detected	0.17	Not Detected
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.058	0.069	0.23
Freon 113	0.035	0.079	0.27	0.60
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.073	0.22	0.46
Benzene	0.088	0.16	0.28	0.52
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.30	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.044	0.15	0.19
m,p-Xylene	0.070	0.13	0.30	0.57
o-Xylene	0.035	0.070	0.15	0.30
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	5.2	2.1	12
Methylene Chloride	0.35	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS7-043012

Lab ID#: 1205023-09B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051015sim**	**Date of Collection:**	**4/30/12 8:04:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**5/10/12 06:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-WCCS7-043012-K

Lab ID#: 1205023-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051012**	**Date of Collection:**	**4/30/12 8:05:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 10:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.55	0.19	3.1
1,1-Dichloroethene	0.017	0.11	0.068	0.43
Freon 113	0.034	0.13	0.26	1.0
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.047	0.17	0.23
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.16	0.22	1.0
Benzene	0.086	0.35	0.27	1.1
1,2-Dichloroethane	0.034	0.051	0.14	0.21
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.77	0.13	2.9
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.072	0.23	0.49
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.10	0.15	0.43
m,p-Xylene	0.068	0.30	0.30	1.3
o-Xylene	0.034	0.14	0.15	0.59
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	13	2.0	31
Methylene Chloride	0.34	0.37	1.2	1.3
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS7-043012-K

Lab ID#: 1205023-10B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051016sim**	**Date of Collection:**	**4/30/12 8:05:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 07:16 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: IAQ-ROP1-043012

Lab ID#: 1205023-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051013**	**Date of Collection:**	**4/30/12 8:23:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/11/12 07:24 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.22	0.19	1.3
1,1-Dichloroethene	0.017	0.058	0.067	0.23
Freon 113	0.034	0.061	0.26	0.47
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.070	0.21	0.44
Benzene	0.084	0.17	0.27	0.56
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.78	0.13	2.9
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.062	0.14	0.27
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.045	0.14	0.19
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	10	2.0	25
Methylene Chloride	0.34	0.90	1.2	3.1
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-ROP1-043012

Lab ID#: 1205023-11B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051017sim**	**Date of Collection:**	**4/30/12 8:23:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 07:54 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-ROP2-043012

Lab ID#: 1205023-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051014**	**Date of Collection:**	**4/30/12 8:30:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/11/12 07:59 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	0.041	0.067	0.16
Freon 113	0.034	0.068	0.26	0.52
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.067	0.21	0.42
Benzene	0.084	0.16	0.27	0.52
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.34	0.13	1.3
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.047	0.14	0.20
m,p-Xylene	0.067	0.14	0.29	0.61
o-Xylene	0.034	0.070	0.14	0.30
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	6.4	2.0	15
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-ROP2-043012

Lab ID#: 1205023-12B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051018sim**	**Date of Collection:**	**4/30/12 8:30:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**5/10/12 08:40 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-ROP3-043012

Lab ID#: 1205023-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051015**	**Date of Collection:**	**4/30/12 8:27:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/11/12 08:35 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.22	0.19	1.2
1,1-Dichloroethene	0.017	0.064	0.068	0.25
Freon 113	0.034	0.083	0.26	0.64
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.074	0.22	0.46
Benzene	0.086	0.16	0.27	0.52
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.51	0.13	1.9
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.064	0.15	0.28
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.075	0.15	0.32
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	10	2.0	24
Methylene Chloride	0.34	0.34	1.2	1.2
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-ROP3-043012

Lab ID#: 1205023-13B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051019sim**	**Date of Collection:**	**4/30/12 8:27:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/10/12 09:26 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IAQ-ROP4-043012

Lab ID#: 1205023-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051108**	**Date of Collection:**	**4/30/12 7:51:00 AM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**5/11/12 07:37 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	Not Detected	0.16	Not Detected
Freon 11	0.032	0.24	0.18	1.3
1,1-Dichloroethene	0.016	0.11	0.064	0.44
Freon 113	0.032	0.080	0.25	0.61
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
Chloroform	0.032	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.071	0.20	0.45
Benzene	0.080	0.16	0.26	0.50
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.15	Not Detected
Toluene	0.032	0.42	0.12	1.6
1,1,2-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected
Chlorobenzene	0.032	Not Detected	0.15	Not Detected
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.064	0.12	0.28	0.52
o-Xylene	0.032	0.065	0.14	0.28
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Acetone	0.80	30	1.9	71
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-ROP4-043012

Lab ID#: 1205023-14B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051020sim**	**Date of Collection:**	**4/30/12 7:51:00 AM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**5/10/12 10:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-ROP5-043012

Lab ID#: 1205023-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051109**	**Date of Collection:**	**4/30/12 7:50:00 AM**
Dil. Factor:	**1.58**	**Date of Analysis:**	**5/11/12 08:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	Not Detected	0.16	Not Detected
Freon 11	0.032	0.25	0.18	1.4
1,1-Dichloroethene	0.016	0.14	0.063	0.56
Freon 113	0.032	0.079	0.24	0.60
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.12	Not Detected
Chloroform	0.032	0.053	0.15	0.26
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.032	0.067	0.20	0.42
Benzene	0.079	0.16	0.25	0.50
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.14	Not Detected
Toluene	0.032	0.34	0.12	1.3
1,1,2-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	0.041	0.21	0.28
Chlorobenzene	0.032	Not Detected	0.14	Not Detected
Ethyl Benzene	0.032	0.051	0.14	0.22
m,p-Xylene	0.063	0.13	0.27	0.57
o-Xylene	0.032	0.045	0.14	0.20
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	99 E	1.9	240 E
Methylene Chloride	0.32	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-ROP5-043012

Lab ID#: 1205023-15B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051021sim**	**Date of Collection:**	**4/30/12 7:50:00 AM**
Dil. Factor:	**1.58**	**Date of Analysis:**	**5/10/12 10:49 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-AA22-043012

Lab ID#: 1205023-16A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051113**	**Date of Collection:**	**4/30/12 8:09:00 AM**
Dil. Factor:	**1.79**	**Date of Analysis:**	**5/11/12 11:33 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.036	Not Detected	0.18	Not Detected
Freon 11	0.036	0.23	0.20	1.3
1,1-Dichloroethene	0.018	0.062	0.071	0.25
Freon 113	0.036	0.091	0.27	0.70
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
Chloroform	0.036	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Carbon Tetrachloride	0.036	0.072	0.22	0.45
Benzene	0.090	0.16	0.28	0.52
1,2-Dichloroethane	0.036	Not Detected	0.14	Not Detected
Trichloroethene	0.036	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.036	Not Detected	0.16	Not Detected
Toluene	0.036	0.32	0.13	1.2
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	Not Detected	0.24	Not Detected
Chlorobenzene	0.036	Not Detected	0.16	Not Detected
Ethyl Benzene	0.036	0.042	0.16	0.18
m,p-Xylene	0.072	0.12	0.31	0.51
o-Xylene	0.036	0.060	0.16	0.26
1,4-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
1,2-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Acetone	0.90	5.2	2.1	12
Methylene Chloride	0.36	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-AA22-043012

Lab ID#: 1205023-16B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051022sim**	**Date of Collection:**	**4/30/12 8:09:00 AM**
Dil. Factor:	**1.79**	**Date of Analysis:**	**5/11/12 07:29 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: IAQ-AA16-043012

Lab ID#: 1205023-17A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051111**	**Date of Collection:**	**4/30/12 8:10:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**5/11/12 09:57 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	Not Detected	0.17	Not Detected
Freon 11	0.035	0.22	0.20	1.2
1,1-Dichloroethene	0.018	0.046	0.069	0.18
Freon 113	0.035	0.077	0.27	0.59
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.072	0.22	0.45
Benzene	0.088	0.17	0.28	0.54
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.32	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.046	0.15	0.20
m,p-Xylene	0.070	0.13	0.30	0.56
o-Xylene	0.035	0.048	0.15	0.21
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	6.2	2.1	15
Methylene Chloride	0.35	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-AA16-043012

Lab ID#: 1205023-17B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051113sim**	**Date of Collection:**	**4/30/12 8:10:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**5/11/12 05:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: IAQ-AA8-043012

Lab ID#: 1205023-18A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051112**	**Date of Collection:**	**4/30/12 8:42:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/11/12 10:46 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	Not Detected	0.17	Not Detected
Freon 11	0.034	0.26	0.19	1.5
1,1-Dichloroethene	0.017	0.20	0.068	0.82
Freon 113	0.034	0.081	0.26	0.62
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.073	0.22	0.46
Benzene	0.086	0.18	0.27	0.56
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.38	0.13	1.4
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.049	0.23	0.33
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.052	0.15	0.23
m,p-Xylene	0.068	0.14	0.30	0.63
o-Xylene	0.034	0.068	0.15	0.30
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	6.4	2.0	15
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-AA8-043012

Lab ID#: 1205023-18B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051114sim**	**Date of Collection:**	**4/30/12 8:42:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**5/11/12 06:26 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1205023-19A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050919**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 10:39 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1205023-19B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051006sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 11:54 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1205023-19C

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 06:46 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1205023-19D

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051112sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 04:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1205023-19E

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051107**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 06:42 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	88	70-130

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Client Sample ID: CCV

Lab ID#: 1205023-20A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050911a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/9/12 08:47 PM**	

Compound	**%Recovery**
Freon 12	87
Freon 11	82
1,1-Dichloroethene	84
Freon 113	88
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	84
Chloroform	84
1,1,1-Trichloroethane	89
Carbon Tetrachloride	95
Benzene	76
1,2-Dichloroethane	80
Trichloroethene	80
trans-1,3-Dichloropropene	92
Toluene	91
1,1,2-Trichloroethane	85
Tetrachloroethene	84
Chlorobenzene	87
Ethyl Benzene	95
m,p-Xylene	100
o-Xylene	99
1,4-Dichlorobenzene	92
1,2-Dichlorobenzene	102
trans-1,2-Dichloroethene	84
Acetone	76
Methylene Chloride	78
Methyl tert-butyl ether	88
1,1,2,2-Tetrachloroethane	95

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: CCV

Lab ID#: 1205023-20B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051002sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 08:37 AM**	

Compound	**%Recovery**
Vinyl Chloride	90

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: CCV

Lab ID#: 1205023-20C

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 03:06 PM**	

Compound	**%Recovery**
Freon 12	95
Freon 11	83
1,1-Dichloroethene	83
Freon 113	89
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	82
Chloroform	83
1,1,1-Trichloroethane	87
Carbon Tetrachloride	93
Benzene	76
1,2-Dichloroethane	80
Trichloroethene	80
trans-1,3-Dichloropropene	91
Toluene	90
1,1,2-Trichloroethane	87
Tetrachloroethene	87
Chlorobenzene	88
Ethyl Benzene	96
m,p-Xylene	100
o-Xylene	99
1,4-Dichlorobenzene	97
1,2-Dichlorobenzene	105
trans-1,2-Dichloroethene	82
Acetone	76
Methylene Chloride	77
Methyl tert-butyl ether	85
1,1,2,2-Tetrachloroethane	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	110	70-130

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Client Sample ID: CCV

Lab ID#: 1205023-20D

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051107sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 12:25 PM**	

Compound	**%Recovery**
Vinyl Chloride	90

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: CCV

Lab ID#: 1205023-20E

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 02:23 PM**	

Compound	%Recovery
Freon 12	101
Freon 11	94
1,1-Dichloroethene	85
Freon 113	73
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	79
Chloroform	88
1,1,1-Trichloroethane	95
Carbon Tetrachloride	104
Benzene	78
1,2-Dichloroethane	92
Trichloroethene	80
trans-1,3-Dichloropropene	90
Toluene	94
1,1,2-Trichloroethane	86
Tetrachloroethene	87
Chlorobenzene	89
Ethyl Benzene	97
m,p-Xylene	102
o-Xylene	100
1,4-Dichlorobenzene	103
1,2-Dichlorobenzene	112
trans-1,2-Dichloroethene	78
Acetone	80
Methylene Chloride	74
Methyl tert-butyl ether	83
1,1,2,2-Tetrachloroethane	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	117	70-130

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Client Sample ID: LCS

Lab ID#: 1205023-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050916**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 08:48 AM**	

Compound	**%Recovery**
Freon 12	92
Freon 11	93
1,1-Dichloroethene	103
Freon 113	84
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	91
Chloroform	96
1,1,1-Trichloroethane	102
Carbon Tetrachloride	102
Benzene	82
1,2-Dichloroethane	85
Trichloroethene	85
trans-1,3-Dichloropropene	95
Toluene	97
1,1,2-Trichloroethane	90
Tetrachloroethene	89
Chlorobenzene	94
Ethyl Benzene	102
m,p-Xylene	110
o-Xylene	108
1,4-Dichlorobenzene	95
1,2-Dichlorobenzene	107
trans-1,2-Dichloroethene	100
Acetone	86
Methylene Chloride	80
Methyl tert-butyl ether	98
1,1,2,2-Tetrachloroethane	102

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: LCSD

Lab ID#: 1205023-21AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c050917**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 09:27 AM**	

Compound	%Recovery
Freon 12	98
Freon 11	89
1,1-Dichloroethene	96
Freon 113	98
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	89
Chloroform	92
1,1,1-Trichloroethane	98
Carbon Tetrachloride	98
Benzene	82
1,2-Dichloroethane	86
Trichloroethene	86
trans-1,3-Dichloropropene	98
Toluene	97
1,1,2-Trichloroethane	92
Tetrachloroethene	92
Chlorobenzene	95
Ethyl Benzene	102
m,p-Xylene	108
o-Xylene	106
1,4-Dichlorobenzene	96
1,2-Dichlorobenzene	107
trans-1,2-Dichloroethene	100
Acetone	84
Methylene Chloride	82
Methyl tert-butyl ether	96
1,1,2,2-Tetrachloroethane	104

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	110	70-130

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Client Sample ID: LCS

Lab ID#: 1205023-21B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051003sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 09:20 AM**	

Compound	**%Recovery**
Vinyl Chloride	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCSD

Lab ID#: 1205023-21BB

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051004sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 10:07 AM**	

Compound	**%Recovery**
Vinyl Chloride	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: LCS

Lab ID#: 1205023-21C

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 03:47 PM**	

Compound	**%Recovery**
Freon 12	98
Freon 11	87
1,1-Dichloroethene	93
Freon 113	95
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	86
Chloroform	89
1,1,1-Trichloroethane	94
Carbon Tetrachloride	95
Benzene	81
1,2-Dichloroethane	85
Trichloroethene	85
trans-1,3-Dichloropropene	92
Toluene	97
1,1,2-Trichloroethane	89
Tetrachloroethene	90
Chlorobenzene	94
Ethyl Benzene	104
m,p-Xylene	112
o-Xylene	110
1,4-Dichlorobenzene	106
1,2-Dichlorobenzene	116
trans-1,2-Dichloroethene	96
Acetone	82
Methylene Chloride	82
Methyl tert-butyl ether	91
1,1,2,2-Tetrachloroethane	103

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: LCSD

Lab ID#: 1205023-21CC

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/10/12 04:22 PM**	

Compound	%Recovery
Freon 12	100
Freon 11	88
1,1-Dichloroethene	94
Freon 113	95
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	85
Chloroform	89
1,1,1-Trichloroethane	93
Carbon Tetrachloride	94
Benzene	82
1,2-Dichloroethane	85
Trichloroethene	85
trans-1,3-Dichloropropene	92
Toluene	97
1,1,2-Trichloroethane	89
Tetrachloroethene	89
Chlorobenzene	94
Ethyl Benzene	104
m,p-Xylene	112
o-Xylene	109
1,4-Dichlorobenzene	104
1,2-Dichlorobenzene	112
trans-1,2-Dichloroethene	96
Acetone	85
Methylene Chloride	84
Methyl tert-butyl ether	89
1,1,2,2-Tetrachloroethane	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	117	70-130

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Client Sample ID: LCS

Lab ID#: 1205023-21D

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051108sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 01:08 PM**	

Compound	**%Recovery**
Vinyl Chloride	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: LCSD

Lab ID#: 1205023-21DD

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**a051109sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 01:54 PM**	

Compound	**%Recovery**
Vinyl Chloride	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: LCS

Lab ID#: 1205023-21E

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 03:05 PM**	

Compound	**%Recovery**
Freon 12	109
Freon 11	95
1,1-Dichloroethene	101
Freon 113	99
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	79
Chloroform	91
1,1,1-Trichloroethane	96
Carbon Tetrachloride	98
Benzene	82
1,2-Dichloroethane	94
Trichloroethene	83
trans-1,3-Dichloropropene	92
Toluene	98
1,1,2-Trichloroethane	89
Tetrachloroethene	89
Chlorobenzene	93
Ethyl Benzene	101
m,p-Xylene	107
o-Xylene	105
1,4-Dichlorobenzene	106
1,2-Dichlorobenzene	123
trans-1,2-Dichloroethene	90
Acetone	94
Methylene Chloride	80
Methyl tert-butyl ether	84
1,1,2,2-Tetrachloroethane	106

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: LCSD

Lab ID#: 1205023-21EE

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c051104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/11/12 03:45 PM**	

Compound	**%Recovery**
Freon 12	109
Freon 11	96
1,1-Dichloroethene	102
Freon 113	91
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	82
Chloroform	93
1,1,1-Trichloroethane	97
Carbon Tetrachloride	99
Benzene	80
1,2-Dichloroethane	94
Trichloroethene	84
trans-1,3-Dichloropropene	90
Toluene	98
1,1,2-Trichloroethane	89
Tetrachloroethene	89
Chlorobenzene	94
Ethyl Benzene	104
m,p-Xylene	110
o-Xylene	108
1,4-Dichlorobenzene	107
1,2-Dichlorobenzene	116
trans-1,2-Dichloroethene	92
Acetone	91
Methylene Chloride	80
Methyl tert-butyl ether	83
1,1,2,2-Tetrachloroethane	104

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	118	70-130

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-04-1842

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Analytical Report For

Client: CDM Smith Inc.

Client Project Name: Omega IAO / 10500

Attention: Sharon Wallin
111 Academy
Suite 150
Irvine, CA 92617-3000

Approved for release on 05/14/2012 by:
Stephen Nowak
Project Manager

ResultLink

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Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-04-1842
		Project name:	Omega IAO / 10500
		Received:	04/30/12 19:05
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-ROP1-043012-K2 (12-04-1842-1)						
Dichlorodifluoromethane	**0.51**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.27**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1-Dichloroethene	**0.051**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Methylene Chloride	**1.2**		0.20	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.081**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.028**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.023**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**8.3**		2.0	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.24**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.093**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**0.99**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.048**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.11**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.29**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.11**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
IAQ-AA8-043012-K2 (12-04-1842-2)						
Dichlorodifluoromethane	**0.46**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.28**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1-Dichloroethene	**0.16**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.076**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.023**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.018**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**3.8**		0.50	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.21**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.080**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**0.40**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.056**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.069**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.20**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.078**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-04-1842
		Project name:	Omega IAO / 10500
		Received:	04/30/12 19:05
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-ROP1-043012-K2 (12-04-1842-1)						
Dichlorodifluoromethane	**2.5**		0.099	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**1.5**		0.11	ug/m3	EPA TO-15 SIM	N/A
1,1-Dichloroethene	**0.20**		0.040	ug/m3	EPA TO-15 SIM	N/A
Methylene Chloride	**4.2**		0.69	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.62**		0.15	ug/m3	EPA TO-15 SIM	N/A
Chloroform	**0.14**		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.091**		0.040	ug/m3	EPA TO-15 SIM	N/A
Acetone	**20**		4.8	ug/m3	EPA TO-15 SIM	N/A
Benzene	**0.78**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.59**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**3.7**		0.075	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.32**		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**0.50**		0.087	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**1.2**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**0.48**		0.087	ug/m3	EPA TO-15 SIM	N/A
IAQ-AA8-043012-K2 (12-04-1842-2)						
Dichlorodifluoromethane	**2.3**		0.099	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**1.6**		0.11	ug/m3	EPA TO-15 SIM	N/A
1,1-Dichloroethene	**0.63**		0.040	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.58**		0.15	ug/m3	EPA TO-15 SIM	N/A
Chloroform	**0.11**		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.072**		0.040	ug/m3	EPA TO-15 SIM	N/A
Acetone	**9.0**		1.2	ug/m3	EPA TO-15 SIM	N/A
Benzene	**0.69**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.51**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**1.5**		0.075	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.38**		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**0.30**		0.087	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**0.87**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**0.34**		0.087	ug/m3	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	04/30/12
111 Academy		Work Order No:	12-04-1842
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ppb (v/v)
Project: Omega IAO / 10500			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-043012-K2	**12-04-1842-1-A**	**04/30/12 15:26**	**Air**	**GC/MS DD**	**N/A**	**05/01/12 16:14**	**120501L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.51	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
Vinyl Chloride	ND	0.010	1		1,1,1-Trichloroethane	ND	0.020	1	
Trichlorofluoromethane	0.27	0.020	1		1,2-Dichlorobenzene	ND	0.020	1	
1,1-Dichloroethene	0.051	0.010	1		Benzene	0.24	0.020	1	
Methylene Chloride	1.2	0.20	1		Carbon Tetrachloride	0.093	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.081	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	0.99	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.048	0.020	1	
Chloroform	0.028	0.010	1		Ethylbenzene	0.11	0.020	1	
1,2-Dichloroethane	0.023	0.010	1		p/m-Xylene	0.29	0.040	1	
1,4-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
Chlorobenzene	ND	0.020	1		o-Xylene	0.11	0.020	1	
Acetone	8.3	2.0	4		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	45-153		1,2-Dichloroethane-d4	93	37-163	
Toluene-d8	101	73-121					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-AA8-043012-K2	**12-04-1842-2-A**	**04/30/12 16:49**	**Air**	**GC/MS DD**	**N/A**	**05/01/12 17:57**	**120501L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.46	0.020	1		Acetone	3.8	0.50	1	
Vinyl Chloride	ND	0.010	1		1,4-Dichlorobenzene	ND	0.020	1	
Trichlorofluoromethane	0.28	0.020	1		1,1,1-Trichloroethane	ND	0.020	1	
1,1-Dichloroethene	0.16	0.010	1		Benzene	0.21	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	0.080	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.076	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	0.40	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.056	0.020	1	
Chloroform	0.023	0.010	1		Ethylbenzene	0.069	0.020	1	
1,2-Dichloroethane	0.018	0.010	1		p/m-Xylene	0.20	0.040	1	
t-1,3-Dichloropropene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		o-Xylene	0.078	0.020	1	
Chlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	45-153		1,2-Dichloroethane-d4	101	37-163	
Toluene-d8	98	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	04/30/12
111 Academy		Work Order No:	12-04-1842
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ppb (v/v)
Project: Omega IAO / 10500			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-188-6**	**N/A**	**Air**	**GC/MS DD**	**N/A**	**05/01/12 15:14**	**120501L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.020	1		Acetone	ND	0.50	1	
Vinyl Chloride	ND	0.010	1		Chlorobenzene	ND	0.020	1	
Trichlorofluoromethane	ND	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
1,1-Dichloroethene	ND	0.010	1		Benzene	ND	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	ND	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	ND	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	ND	0.020	1	
Chloroform	ND	0.010	1		Ethylbenzene	ND	0.020	1	
1,2-Dichloroethane	ND	0.010	1		p/m-Xylene	ND	0.040	1	
1,4-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,1,1-Trichloroethane	ND	0.020	1		o-Xylene	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	45-153		1,2-Dichloroethane-d4	114	37-163	
Toluene-d8	102	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	04/30/12
111 Academy		Work Order No:	12-04-1842
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAO / 10500			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-043012-K2	**12-04-1842-1-A**	**04/30/12 15:26**	**Air**	**GC/MS DD**	**N/A**	**05/01/12 16:14**	**120501L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.5	0.099	1		t-1,3-Dichloropropene	ND	0.091	1	
Vinyl Chloride	ND	0.026	1		1,1,1-Trichloroethane	ND	0.11	1	
Trichlorofluoromethane	1.5	0.11	1		1,2-Dichlorobenzene	ND	0.12	1	
1,1-Dichloroethene	0.20	0.040	1		Benzene	0.78	0.064	1	
Methylene Chloride	4.2	0.69	1		Carbon Tetrachloride	0.59	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.62	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	3.7	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.32	0.14	1	
Chloroform	0.14	0.049	1		Ethylbenzene	0.50	0.087	1	
1,2-Dichloroethane	0.091	0.040	1		p/m-Xylene	1.2	0.17	1	
1,4-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
Chlorobenzene	ND	0.092	1		o-Xylene	0.48	0.087	1	
Acetone	20	4.8	4		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	45-153		1,2-Dichloroethane-d4	93	37-163	
Toluene-d8	101	73-121					

IAQ-AA8-043012-K2	**12-04-1842-2-A**	**04/30/12 16:49**	**Air**	**GC/MS DD**	**N/A**	**05/01/12 17:57**	**120501L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.3	0.099	1		Acetone	9.0	1.2	1	
Vinyl Chloride	ND	0.026	1		1,4-Dichlorobenzene	ND	0.12	1	
Trichlorofluoromethane	1.6	0.11	1		1,1,1-Trichloroethane	ND	0.11	1	
1,1-Dichloroethene	0.63	0.040	1		Benzene	0.69	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	0.51	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.58	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	1.5	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.38	0.14	1	
Chloroform	0.11	0.049	1		Ethylbenzene	0.30	0.087	1	
1,2-Dichloroethane	0.072	0.040	1		p/m-Xylene	0.87	0.17	1	
t-1,3-Dichloropropene	ND	0.091	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,2-Dichlorobenzene	ND	0.12	1		o-Xylene	0.34	0.087	1	
Chlorobenzene	ND	0.092	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	45-153		1,2-Dichloroethane-d4	101	37-163	
Toluene-d8	98	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	04/30/12
111 Academy		Work Order No:	12-04-1842
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAO / 10500			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-188-6**	**N/A**	**Air**	**GC/MS DD**	**N/A**	**05/01/12 15:14**	**120501L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.099	1		Acetone	ND	1.2	1	
Vinyl Chloride	ND	0.026	1		Chlorobenzene	ND	0.092	1	
Trichlorofluoromethane	ND	0.11	1		t-1,3-Dichloropropene	ND	0.091	1	
1,1-Dichloroethene	ND	0.040	1		Benzene	ND	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	ND	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	ND	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	ND	0.14	1	
Chloroform	ND	0.049	1		Ethylbenzene	ND	0.087	1	
1,2-Dichloroethane	ND	0.040	1		p/m-Xylene	ND	0.17	1	
1,4-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,1,1-Trichloroethane	ND	0.11	1		o-Xylene	ND	0.087	1	
1,2-Dichlorobenzene	ND	0.12	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	45-153		1,2-Dichloroethane-d4	114	37-163	
Toluene-d8	102	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-04-1842
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM

Project: Omega IAO / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-188-6	**Air**	**GC/MS DD**	**N/A**	**05/01/12**	**120501L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Dichlorodifluoromethane	0.5000	88	91	50-150	33-167	2	0-30	
Chloromethane	0.5000	87	91	50-150	33-167	5	0-30	
Vinyl Chloride	0.5000	90	91	44-140	28-156	1	0-33	
Chloroethane	0.5000	91	93	50-150	33-167	3	0-30	
Trichlorofluoromethane	0.5000	95	95	50-150	33-167	1	0-30	
1,1-Dichloroethene	0.5000	81	80	50-150	33-167	1	0-30	
Methylene Chloride	0.5000	83	83	50-150	33-167	0	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5000	83	85	50-150	33-167	2	0-30	
t-1,2-Dichloroethene	0.5000	66	78	50-150	33-167	17	0-30	
1,1-Dichloroethane	0.5000	85	87	50-150	33-167	3	0-30	
c-1,2-Dichloroethene	0.5000	86	86	35-165	13-187	0	0-35	
Chloroform	0.5000	87	87	50-150	33-167	0	0-30	
1,2-Dichloroethane	0.5000	84	87	28-166	5-189	3	0-40	
1,2,4-Trimethylbenzene	0.5000	84	86	50-150	33-167	2	0-30	
1,3,5-Trimethylbenzene	0.5000	85	86	50-150	33-167	1	0-30	
4-Ethyltoluene	0.5000	85	85	50-150	33-167	0	0-30	
Chlorobenzene	0.5000	84	84	50-150	33-167	0	0-30	
t-1,3-Dichloropropene	0.5000	88	88	50-150	33-167	0	0-30	
1,1,1-Trichloroethane	0.5000	89	88	50-150	33-167	1	0-30	
1,1-Difluoroethane	0.5000	89	90	50-150	33-167	1	0-30	
Benzene	0.5000	82	82	27-153	6-174	0	0-34	
Carbon Tetrachloride	0.5000	95	93	7-187	0-217	2	0-31	
Bromodichloromethane	0.5000	90	89	50-150	33-167	0	0-30	
1,1,2-Trichloroethane	0.5000	85	85	27-171	3-195	0	0-38	
Toluene	0.5000	83	83	28-154	7-175	0	0-42	
Dibromochloromethane	0.5000	95	95	50-150	33-167	0	0-30	
Trichloroethene	0.5000	82	82	43-139	27-155	0	0-31	
Tetrachloroethene	0.5000	86	86	34-154	14-174	0	0-33	
Ethylbenzene	0.5000	83	85	27-153	6-174	2	0-46	
p/m-Xylene	1.000	87	88	21-165	0-189	1	0-51	
1,1,2,2-Tetrachloroethane	0.5000	87	88	50-150	33-167	1	0-30	
o-Xylene	0.5000	84	86	22-160	0-183	2	0-48	
Hexachloro-1,3-Butadiene	0.5000	70	70	50-150	33-167	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-04-1842
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM

Project: Omega IAO / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-188-6	**Air**	**GC/MS DD**	**N/A**	**05/01/12**	**120501L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.5000	81	80	50-150	33-167	1	0-30	
Naphthalene	0.5000	69	67	40-190	15-215	2	0-30	

Total number of LCS compounds : 35
Total number of ME compounds : 0
Total number of ME compounds allowed : 2
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-04-1842**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
IAQ-ROP1-043012-K2	-6.00	-29.80	SIM033	Summa Canister 6L
IAQ-AA8-043012-K2	-9.00	-29.80	SIM013	Summa Canister 6L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-04-1842

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 30 April 2012
PAGE: 1 OF 1

LABORATORY CLIENT: CDM Smith
ADDRESS: ~~11~~ 111 Academy Ste. 150
CITY: Irvine STATE: CA ZIP: 92617
TEL: (949) 752-5452 E-MAIL: WallinSF@cdmsmith.com

CLIENT PROJECT NAME / NUMBER: Omega IAQ / 10500
PROJECT ADDRESS:
CITY: STATE: ZIP:
PROJECT CONTACT: Sharon Walline

P.O.NO.:
LAB CONTACT OR QUOTE NO.
12-04-1842

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS
SAMPLER(S): (NAME / SIGNATURE)
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ EDD
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Canister ID#	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15 SIM				
1	IAQ-ROP1-043012-K2	ROP1	A	SIM 013	6L	FC103	4.30.12	0823	>-30	4.30.12	1526	-5	X				
2	IAQ-AA8-043012-K2	AA8	A	SIM 013	↓	FC255	4.30.12	0842	>-30	↓	1649	-9	X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature) Dannyle CCL	Date: 4.30.12 Time: 1905
Relinquished by: (Signature)	Received by: (Signature)	Date: Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-04-1842

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: CDM

DATE: 04/30/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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: bL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Initial: bL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: bL

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:** bL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-05-2035

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: CDM Smith Inc.

Client Project Name: Omega IAO / 10500

Attention: Sharon Wallin
111 Academy
Suite 150
Irvine, CA 92617-3000

Approved for release on 06/13/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-05-2035
		Project name:	Omega IAO / 10500
		Received:	05/30/12 18:52
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-AA8-053012-K2 (12-05-2035-1)						
Dichlorodifluoromethane	**0.52**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.24**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.088**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.022**		0.012	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.018**		0.012	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**3.1**		0.60	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.17**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.087**		0.012	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**0.44**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.050**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.066**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.19**		0.048	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.079**		0.024	ppb (v/v)	EPA TO-15 SIM	N/A
IAQ-ROP1-053012-K2 (12-05-2035-2)						
Dichlorodifluoromethane	**0.47**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.22**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Methylene Chloride	**0.73**		0.20	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.077**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.024**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.019**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**6.3**		2.0	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.17**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.081**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**0.65**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.031**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.082**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.21**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.085**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-05-2035
		Project name:	Omega IAO / 10500
		Received:	05/30/12 18:52
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-AA8-053012-K2 (12-05-2035-1)						
Dichlorodifluoromethane	**2.6**		0.12	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**1.3**		0.13	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.67**		0.18	ug/m3	EPA TO-15 SIM	N/A
Chloroform	**0.11**		0.058	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.073**		0.048	ug/m3	EPA TO-15 SIM	N/A
Acetone	**7.4**		1.4	ug/m3	EPA TO-15 SIM	N/A
Benzene	**0.55**		0.076	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.55**		0.075	ug/m3	EPA TO-15 SIM	N/A
Toluene	**1.7**		0.090	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.34**		0.16	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**0.29**		0.10	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**0.81**		0.21	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**0.34**		0.10	ug/m3	EPA TO-15 SIM	N/A
IAQ-ROP1-053012-K2 (12-05-2035-2)						
Dichlorodifluoromethane	**2.3**		0.099	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**1.2**		0.11	ug/m3	EPA TO-15 SIM	N/A
Methylene Chloride	**2.5**		0.69	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.59**		0.15	ug/m3	EPA TO-15 SIM	N/A
Chloroform	**0.12**		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.077**		0.040	ug/m3	EPA TO-15 SIM	N/A
Acetone	**15**		4.8	ug/m3	EPA TO-15 SIM	N/A
Benzene	**0.56**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.51**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**2.4**		0.075	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.21**		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**0.36**		0.087	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**0.92**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**0.37**		0.087	ug/m3	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	05/30/12
111 Academy		Work Order No:	12-05-2035
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ppb (v/v)
Project: Omega IAO / 10500			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-AA8-053012-K2	**12-05-2035-1-A**	**05/30/12 15:26**	**Air**	**GC/MS DD**	**N/A**	**05/31/12 15:44**	**120531L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.52	0.024	1.19		t-1,3-Dichloropropene	ND	0.024	1.19	
Vinyl Chloride	ND	0.012	1.19		1,1,1-Trichloroethane	ND	0.024	1.19	
Trichlorofluoromethane	0.24	0.024	1.19		1,2-Dichlorobenzene	ND	0.024	1.19	
1,1-Dichloroethene	ND	0.012	1.19		Benzene	0.17	0.024	1.19	
Methylene Chloride	ND	0.24	1.19		Carbon Tetrachloride	0.087	0.012	1.19	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.088	0.024	1.19		1,1,2-Trichloroethane	ND	0.024	1.19	
t-1,2-Dichloroethene	ND	0.12	1.19		Toluene	0.44	0.024	1.19	
1,1-Dichloroethane	ND	0.024	1.19		Trichloroethene	ND	0.012	1.19	
c-1,2-Dichloroethene	ND	0.024	1.19		Tetrachloroethene	0.050	0.024	1.19	
Chloroform	0.022	0.012	1.19		Ethylbenzene	0.066	0.024	1.19	
1,2-Dichloroethane	0.018	0.012	1.19		p/m-Xylene	0.19	0.048	1.19	
1,4-Dichlorobenzene	ND	0.024	1.19		1,1,2,2-Tetrachloroethane	ND	0.024	1.19	
Chlorobenzene	ND	0.024	1.19		o-Xylene	0.079	0.024	1.19	
Acetone	3.1	0.60	1.19		Methyl-t-Butyl Ether (MTBE)	ND	0.12	1.19	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	45-153		1,2-Dichloroethane-d4	98	37-163	
Toluene-d8	94	73-121					

IAQ-ROP1-053012-K2	**12-05-2035-2-A**	**05/30/12 16:38**	**Air**	**GC/MS DD**	**N/A**	**05/31/12 14:46**	**120531L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.47	0.020	1		Acetone	6.3	2.0	4	
Vinyl Chloride	ND	0.010	1		1,4-Dichlorobenzene	ND	0.020	1	
Trichlorofluoromethane	0.22	0.020	1		1,1,1-Trichloroethane	ND	0.020	1	
1,1-Dichloroethene	ND	0.010	1		Benzene	0.17	0.020	1	
Methylene Chloride	0.73	0.20	1		Carbon Tetrachloride	0.081	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.077	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	0.65	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.031	0.020	1	
Chloroform	0.024	0.010	1		Ethylbenzene	0.082	0.020	1	
1,2-Dichloroethane	0.019	0.010	1		p/m-Xylene	0.21	0.040	1	
t-1,3-Dichloropropene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		o-Xylene	0.085	0.020	1	
Chlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	45-153		1,2-Dichloroethane-d4	99	37-163	
Toluene-d8	104	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	05/30/12
111 Academy		Work Order No:	12-05-2035
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ppb (v/v)
Project: Omega IAO / 10500			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-188-9**	**N/A**	**Air**	**GC/MS DD**	**N/A**	**05/31/12 13:51**	**120531L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.020	1		Acetone	ND	0.50	1	
Vinyl Chloride	ND	0.010	1		Chlorobenzene	ND	0.020	1	
Trichlorofluoromethane	ND	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
1,1-Dichloroethene	ND	0.010	1		Benzene	ND	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	ND	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	ND	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	ND	0.020	1	
Chloroform	ND	0.010	1		Ethylbenzene	ND	0.020	1	
1,2-Dichloroethane	ND	0.010	1		p/m-Xylene	ND	0.040	1	
1,4-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,1,1-Trichloroethane	ND	0.020	1		o-Xylene	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	45-153		1,2-Dichloroethane-d4	102	37-163	
Toluene-d8	100	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	05/30/12
111 Academy		Work Order No:	12-05-2035
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAO / 10500			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-AA8-053012-K2	**12-05-2035-1-A**	**05/30/12 15:26**	**Air**	**GC/MS DD**	**N/A**	**05/31/12 15:44**	**120531L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.6	0.12	1.19		t-1,3-Dichloropropene	ND	0.11	1.19	
Vinyl Chloride	ND	0.030	1.19		1,1,1-Trichloroethane	ND	0.13	1.19	
Trichlorofluoromethane	1.3	0.13	1.19		1,2-Dichlorobenzene	ND	0.14	1.19	
1,1-Dichloroethene	ND	0.047	1.19		Benzene	0.55	0.076	1.19	
Methylene Chloride	ND	0.83	1.19		Carbon Tetrachloride	0.55	0.075	1.19	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.67	0.18	1.19		1,1,2-Trichloroethane	ND	0.13	1.19	
t-1,2-Dichloroethene	ND	0.47	1.19		Toluene	1.7	0.090	1.19	
1,1-Dichloroethane	ND	0.096	1.19		Trichloroethene	ND	0.064	1.19	
c-1,2-Dichloroethene	ND	0.094	1.19		Tetrachloroethene	0.34	0.16	1.19	
Chloroform	0.11	0.058	1.19		Ethylbenzene	0.29	0.10	1.19	
1,2-Dichloroethane	0.073	0.048	1.19		p/m-Xylene	0.81	0.21	1.19	
1,4-Dichlorobenzene	ND	0.14	1.19		1,1,2,2-Tetrachloroethane	ND	0.16	1.19	
Chlorobenzene	ND	0.11	1.19		o-Xylene	0.34	0.10	1.19	
Acetone	7.4	1.4	1.19		Methyl-t-Butyl Ether (MTBE)	ND	0.43	1.19	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	45-153		1,2-Dichloroethane-d4	98	37-163	
Toluene-d8	94	73-121					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-053012-K2	**12-05-2035-2-A**	**05/30/12 16:38**	**Air**	**GC/MS DD**	**N/A**	**05/31/12 14:46**	**120531L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.3	0.099	1		Acetone	15	4.8	4	
Vinyl Chloride	ND	0.026	1		1,4-Dichlorobenzene	ND	0.12	1	
Trichlorofluoromethane	1.2	0.11	1		1,1,1-Trichloroethane	ND	0.11	1	
1,1-Dichloroethene	ND	0.040	1		Benzene	0.56	0.064	1	
Methylene Chloride	2.5	0.69	1		Carbon Tetrachloride	0.51	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.59	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	2.4	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.21	0.14	1	
Chloroform	0.12	0.049	1		Ethylbenzene	0.36	0.087	1	
1,2-Dichloroethane	0.077	0.040	1		p/m-Xylene	0.92	0.17	1	
t-1,3-Dichloropropene	ND	0.091	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,2-Dichlorobenzene	ND	0.12	1		o-Xylene	0.37	0.087	1	
Chlorobenzene	ND	0.092	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	45-153		1,2-Dichloroethane-d4	99	37-163	
Toluene-d8	104	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	05/30/12
111 Academy		Work Order No:	12-05-2035
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAO / 10500			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-188-9**	**N/A**	**Air**	**GC/MS DD**	**N/A**	**05/31/12 13:51**	**120531L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.099	1		Acetone	ND	1.2	1	
Vinyl Chloride	ND	0.026	1		Chlorobenzene	ND	0.092	1	
Trichlorofluoromethane	ND	0.11	1		t-1,3-Dichloropropene	ND	0.091	1	
1,1-Dichloroethene	ND	0.040	1		Benzene	ND	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	ND	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	ND	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	ND	0.14	1	
Chloroform	ND	0.049	1		Ethylbenzene	ND	0.087	1	
1,2-Dichloroethane	ND	0.040	1		p/m-Xylene	ND	0.17	1	
1,4-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,1,1-Trichloroethane	ND	0.11	1		o-Xylene	ND	0.087	1	
1,2-Dichlorobenzene	ND	0.12	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	45-153		1,2-Dichloroethane-d4	102	37-163	
Toluene-d8	100	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-05-2035
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM

Project: Omega IAO / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-188-9	**Air**	**GC/MS DD**	**N/A**	**05/31/12**	**120531L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Dichlorodifluoromethane	0.5000	0.4230	85	0.4570	91	50-150	33-167	8	0-30	
Chloromethane	0.5000	0.4069	81	0.4375	88	50-150	33-167	7	0-30	
Vinyl Chloride	0.5000	0.4008	80	0.4164	83	44-140	28-156	4	0-33	
Chloroethane	0.5000	0.4163	83	0.4268	85	50-150	33-167	2	0-30	
Trichlorofluoromethane	0.5000	0.4095	82	0.4226	85	50-150	33-167	3	0-30	
1,1-Dichloroethene	0.5000	0.4326	87	0.4471	89	50-150	33-167	3	0-30	
Methylene Chloride	0.5000	0.4417	88	0.4479	90	50-150	33-167	1	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5000	0.4278	86	0.4404	88	50-150	33-167	3	0-30	
t-1,2-Dichloroethene	0.5000	0.4162	83	0.4232	85	50-150	33-167	2	0-30	
1,1-Dichloroethane	0.5000	0.4386	88	0.4493	90	50-150	33-167	2	0-30	
c-1,2-Dichloroethene	0.5000	0.4351	87	0.4444	89	35-165	13-187	2	0-35	
Chloroform	0.5000	0.4285	86	0.4426	89	50-150	33-167	3	0-30	
1,2-Dichloroethane	0.5000	0.4200	84	0.4409	88	28-166	5-189	5	0-40	
1,2,4-Trimethylbenzene	0.5000	0.4522	90	0.4556	91	50-150	33-167	1	0-30	
1,3,5-Trimethylbenzene	0.5000	0.4450	89	0.4545	91	50-150	33-167	2	0-30	
4-Ethyltoluene	0.5000	0.4362	87	0.4492	90	50-150	33-167	3	0-30	
Chlorobenzene	0.5000	0.4403	88	0.4434	89	50-150	33-167	1	0-30	
t-1,3-Dichloropropene	0.5000	0.4334	87	0.4436	89	50-150	33-167	2	0-30	
1,1,1-Trichloroethane	0.5000	0.4400	88	0.4436	89	50-150	33-167	1	0-30	
1,1-Difluoroethane	0.5000	0.4268	85	0.4450	89	50-150	33-167	4	0-30	
Benzene	0.5000	0.4343	87	0.4463	89	27-153	6-174	3	0-34	
Carbon Tetrachloride	0.5000	0.4198	84	0.4356	87	7-187	0-217	4	0-31	
Bromodichloromethane	0.5000	0.4262	85	0.4463	89	50-150	33-167	5	0-30	
1,1,2-Trichloroethane	0.5000	0.4416	88	0.4535	91	27-171	3-195	3	0-38	
Toluene	0.5000	0.4325	86	0.4249	85	28-154	7-175	2	0-42	
Dibromochloromethane	0.5000	0.4305	86	0.4333	87	50-150	33-167	1	0-30	
Trichloroethene	0.5000	0.4402	88	0.4386	88	43-139	27-155	0	0-31	
Tetrachloroethene	0.5000	0.4326	87	0.4471	89	34-154	14-174	3	0-33	
Ethylbenzene	0.5000	0.4369	87	0.4322	86	27-153	6-174	1	0-46	
p/m-Xylene	1.000	0.8787	88	0.8897	89	21-165	0-189	1	0-51	
1,1,2,2-Tetrachloroethane	0.5000	0.4393	88	0.4362	87	50-150	33-167	1	0-30	
o-Xylene	0.5000	0.4513	90	0.4380	88	22-160	0-183	3	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-05-2035
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM

Project: Omega IAO / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-188-9	**Air**	**GC/MS DD**	**N/A**	**05/31/12**	**120531L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Hexachloro-1,3-Butadiene	0.5000	0.4683	94	0.4742	95	50-150	33-167	1	0-30	
Methyl-t-Butyl Ether (MTBE)	0.5000	0.4505	90	0.4624	92	50-150	33-167	3	0-30	
Naphthalene	0.5000	0.4471	89	0.4405	88	40-190	15-215	1	0-30	

Total number of LCS compounds : 35
Total number of ME compounds : 0
Total number of ME compounds allowed : 2
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-05-2035**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
IAQ-AA8-053012-K2	-8.00	-29.60	SIM016	Summa Canister 6L
IAQ-ROP1-053012-K2	-4.00	-29.60	SIM080	Summa Canister 6L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-05-2035

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 30 May 2012
PAGE: 1 OF 1

LABORATORY CLIENT: CDM Smith
ADDRESS: 111 Academy
CITY: ~~St~~ Irvine STATE: CA ZIP: 92617
TEL: (949) 752-5452 E-MAIL: WallinSF@cdmsmith.com

CLIENT PROJECT NAME / NUMBER: Omega IAQ -
PROJECT ADDRESS:
CITY: Whittier STATE: ZIP:
PROJECT CONTACT: Nacolynn Begay
SAMPLER(S): (NAME / SIGNATURE) N. Begay

P.O.NO.: 10500
LAB CONTACT OR QUOTE NO.
LAB USE ONLY: 12-05-2035

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ EDD

SPECIAL INSTRUCTIONS:
Thank you!

REQUESTED ANALYSES: TO-15 SIM

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Canister ID#	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15 SIM
1	IAQ-AA8-053012-K2	AA8		SIM016	6L	FC231	5.30.12	0840	-30	5/30	1526	-8	X
2	IAQ-ROP1-053012-K2	ROP1		SIM080	↓	FC148	↓	0823	-30	↓	1638	-4	X
3													
4													
5													
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14													
15													

Relinquished by: (Signature)	Received by: (Signature) Danuyle Cu	Date: 5.30.2012	Time: 18:52
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-05-2035

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: CDM

DATE: 05/30/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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: D.L

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Initial: D.L

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: TS

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:** TS

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

eurofins | Air Toxics

6/13/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500
Workorder #: 1206018B

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 6/1/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15/2 lists are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1206018B

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	10500-90421-AOC.IAQ
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	06/01/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	06/13/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
11A	IAQ-ROP1-053012	Modified TO-15/2 lists	6.0 "Hg	5 psi
11B	IAQ-ROP1-053012	Modified TO-15/2 lists	6.0 "Hg	5 psi
12A	IAQ-ROP2-053012	Modified TO-15/2 lists	6.0 "Hg	5 psi
12B	IAQ-ROP2-053012	Modified TO-15/2 lists	6.0 "Hg	5 psi
13A	IAQ-ROP3-053012	Modified TO-15/2 lists	5.5 "Hg	5 psi
13B	IAQ-ROP3-053012	Modified TO-15/2 lists	5.5 "Hg	5 psi
14A	IAQ-ROP4-053012	Modified TO-15/2 lists	8.0 "Hg	5 psi
14B	IAQ-ROP4-053012	Modified TO-15/2 lists	8.0 "Hg	5 psi
15A	IAQ-ROP5-053012	Modified TO-15/2 lists	7.0 "Hg	5 psi
15B	IAQ-ROP5-053012	Modified TO-15/2 lists	7.0 "Hg	5 psi
16A	IAQ-MM1-053012	Modified TO-15/2 lists	11.0 "Hg	5 psi
16B	IAQ-MM1-053012	Modified TO-15/2 lists	11.0 "Hg	5 psi
17A	IAQ-MM2-053012	Modified TO-15/2 lists	10.5 "Hg	5 psi
17B	IAQ-MM2-053012	Modified TO-15/2 lists	10.5 "Hg	5 psi
18A	IAQ-SDS1-053012	Modified TO-15/2 lists	6.5 "Hg	5 psi
18B	IAQ-SDS1-053012	Modified TO-15/2 lists	6.5 "Hg	5 psi
19A	IAQ-SDS2-053012	Modified TO-15/2 lists	5.0 "Hg	5 psi
19B	IAQ-SDS2-053012	Modified TO-15/2 lists	5.0 "Hg	5 psi
20A	IAQ-AA8-053012	Modified TO-15/2 lists	9.0 "Hg	5 psi
20B	IAQ-AA8-053012	Modified TO-15/2 lists	9.0 "Hg	5 psi
21A	IAQ-AA16-053012	Modified TO-15/2 lists	6.0 "Hg	5 psi
21B	IAQ-AA16-053012	Modified TO-15/2 lists	6.0 "Hg	5 psi
22A	IAQ-AA39-053012	Modified TO-15/2 lists	6.5 "Hg	5 psi

Continued on next page

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WORK ORDER #: 1206018B

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	10500-90421-AOC.IAQ
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	06/01/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	06/13/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
22B	IAQ-AA39-053012	Modified TO-15/2 lists	6.5 "Hg	5 psi
23A	Lab Blank	Modified TO-15/2 lists	NA	NA
23B	Lab Blank	Modified TO-15/2 lists	NA	NA
23C	Lab Blank	Modified TO-15/2 lists	NA	NA
23D	Lab Blank	Modified TO-15/2 lists	NA	NA
24A	CCV	Modified TO-15/2 lists	NA	NA
24B	CCV	Modified TO-15/2 lists	NA	NA
24C	CCV	Modified TO-15/2 lists	NA	NA
24D	CCV	Modified TO-15/2 lists	NA	NA
25A	LCS	Modified TO-15/2 lists	NA	NA
25AA	LCSD	Modified TO-15/2 lists	NA	NA
25B	LCS	Modified TO-15/2 lists	NA	NA
25BB	LCSD	Modified TO-15/2 lists	NA	NA
25C	LCS	Modified TO-15/2 lists	NA	NA
25CC	LCSD	Modified TO-15/2 lists	NA	NA
25D	LCS	Modified TO-15/2 lists	NA	NA
25DD	LCSD	Modified TO-15/2 lists	NA	NA

CERTIFIED BY: Linda J. Freeman

Laboratory Director

DATE: 06/13/12

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
CDM Smith Inc.
Workorder# 1206018B

Twelve 6 Liter Summa Canister (SIM Certified) samples were received on June 01, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

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

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is

defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-ROP1-053012

Lab ID#: 1206018B-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	8.2	2.0	19
Methylene Chloride	0.34	0.64	1.2	2.2

Client Sample ID: IAQ-ROP1-053012

Lab ID#: 1206018B-11B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.49	0.17	2.4
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.067	0.26	0.51
Carbon Tetrachloride	0.034	0.071	0.21	0.44
Benzene	0.084	0.14	0.27	0.45
Toluene	0.034	2.3	0.13	8.7
Ethyl Benzene	0.034	0.12	0.14	0.54
m,p-Xylene	0.067	0.19	0.29	0.84
o-Xylene	0.034	0.072	0.14	0.31

Client Sample ID: IAQ-ROP2-053012

Lab ID#: 1206018B-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	4.3	2.0	10
Methylene Chloride	0.34	0.37	1.2	1.3

Client Sample ID: IAQ-ROP2-053012

Lab ID#: 1206018B-12B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.064	0.26	0.49
Carbon Tetrachloride	0.034	0.058	0.21	0.36

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-ROP2-053012

Lab ID#: 1206018B-12B

Benzene	0.084	0.13	0.27	0.41
Toluene	0.034	0.35	0.13	1.3
Ethyl Benzene	0.034	0.050	0.14	0.22
m,p-Xylene	0.067	0.15	0.29	0.66
o-Xylene	0.034	0.058	0.14	0.25

Client Sample ID: IAQ-ROP3-053012

Lab ID#: 1206018B-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.82	7.0	1.9	17

Client Sample ID: IAQ-ROP3-053012

Lab ID#: 1206018B-13B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.45	0.16	2.2
Freon 11	0.033	0.20	0.18	1.1
Freon 113	0.033	0.065	0.25	0.50
Carbon Tetrachloride	0.033	0.063	0.21	0.40
Benzene	0.082	0.13	0.26	0.41
Toluene	0.033	0.41	0.12	1.6
Ethyl Benzene	0.033	0.069	0.14	0.30
m,p-Xylene	0.066	0.18	0.28	0.80
o-Xylene	0.033	0.073	0.14	0.32

Client Sample ID: IAQ-ROP4-053012

Lab ID#: 1206018B-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.92	4.1	2.2	9.8

Client Sample ID: IAQ-ROP4-053012

Lab ID#: 1206018B-14B

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-ROP4-053012

Lab ID#: 1206018B-14B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.037	0.50	0.18	2.5
Freon 11	0.037	0.21	0.20	1.2
Freon 113	0.037	0.067	0.28	0.52
Carbon Tetrachloride	0.037	0.060	0.23	0.38
Benzene	0.092	0.13	0.29	0.42
Toluene	0.037	0.35	0.14	1.3
Ethyl Benzene	0.037	0.056	0.16	0.24
m,p-Xylene	0.073	0.17	0.32	0.73
o-Xylene	0.037	0.064	0.16	0.28

Client Sample ID: IAQ-ROP5-053012

Lab ID#: 1206018B-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.1	2.1	9.8

Client Sample ID: IAQ-ROP5-053012

Lab ID#: 1206018B-15B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.45	0.17	2.2
Freon 11	0.035	0.20	0.20	1.1
Freon 113	0.035	0.066	0.27	0.50
Chloroform	0.035	0.039	0.17	0.19
Carbon Tetrachloride	0.035	0.067	0.22	0.42
Benzene	0.088	0.13	0.28	0.41
Toluene	0.035	0.34	0.13	1.3
Ethyl Benzene	0.035	0.051	0.15	0.22
m,p-Xylene	0.070	0.15	0.30	0.65
o-Xylene	0.035	0.056	0.15	0.24

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-MM1-053012

Lab ID#: 1206018B-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	1.1	6.3	2.5	15

Client Sample ID: IAQ-MM1-053012

Lab ID#: 1206018B-16B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.042	0.48	0.21	2.4
Freon 11	0.042	2.6	0.24	14
1,1-Dichloroethene	0.021	8.8	0.084	35
Freon 113	0.042	7.6	0.32	58
Carbon Tetrachloride	0.042	0.072	0.27	0.45
Benzene	0.11	0.18	0.34	0.59
Trichloroethene	0.042	1.8	0.23	9.6
Toluene	0.042	1.2	0.16	4.6
Tetrachloroethene	0.042	10	0.29	68
Ethyl Benzene	0.042	0.14	0.18	0.61
m,p-Xylene	0.085	0.48	0.37	2.1
o-Xylene	0.042	0.20	0.18	0.86
1,4-Dichlorobenzene	0.042	0.10	0.25	0.62

Client Sample ID: IAQ-MM2-053012

Lab ID#: 1206018B-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	1.0	6.3	2.4	15

Client Sample ID: IAQ-MM2-053012

Lab ID#: 1206018B-17B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.041	0.46	0.20	2.3
Freon 11	0.041	0.22	0.23	1.2

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-MM2-053012

Lab ID#: 1206018B-17B

Freon 113	0.041	0.093	0.32	0.71
Carbon Tetrachloride	0.041	0.056	0.26	0.35
Benzene	0.10	0.21	0.33	0.68
Toluene	0.041	1.5	0.16	5.7
Ethyl Benzene	0.041	0.15	0.18	0.66
m,p-Xylene	0.082	0.53	0.36	2.3
o-Xylene	0.041	0.18	0.18	0.80

Client Sample ID: IAQ-SDS1-053012

Lab ID#: 1206018B-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	6.4	2.0	15

Client Sample ID: IAQ-SDS1-053012

Lab ID#: 1206018B-18B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.43	0.17	2.1
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.073	0.26	0.56
Carbon Tetrachloride	0.034	0.062	0.22	0.39
Benzene	0.086	0.17	0.27	0.55
Toluene	0.034	0.48	0.13	1.8
Ethyl Benzene	0.034	0.076	0.15	0.33
m,p-Xylene	0.068	0.22	0.30	0.96
o-Xylene	0.034	0.082	0.15	0.36

Client Sample ID: IAQ-SDS2-053012

Lab ID#: 1206018B-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.80	7.0	1.9	16
Methylene Chloride	0.32	0.32	1.1	1.1

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-SDS2-053012

Lab ID#: 1206018B-19B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.43	0.16	2.1
Freon 11	0.032	0.19	0.18	1.1
Freon 113	0.032	0.064	0.25	0.49
Carbon Tetrachloride	0.032	0.065	0.20	0.41
Benzene	0.080	0.18	0.26	0.57
1,2-Dichloroethane	0.032	0.11	0.13	0.46
Toluene	0.032	13	0.12	48
Ethyl Benzene	0.032	1.0	0.14	4.6
m,p-Xylene	0.064	0.85	0.28	3.7
o-Xylene	0.032	0.37	0.14	1.6

Client Sample ID: IAQ-AA8-053012

Lab ID#: 1206018B-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.96	3.4	2.3	8.0

Client Sample ID: IAQ-AA8-053012

Lab ID#: 1206018B-20B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.038	0.44	0.19	2.2
Freon 11	0.038	0.20	0.21	1.1
Freon 113	0.038	0.068	0.29	0.52
Carbon Tetrachloride	0.038	0.068	0.24	0.43
Benzene	0.096	0.12	0.30	0.38
Toluene	0.038	0.19	0.14	0.72

Client Sample ID: IAQ-AA16-053012

Lab ID#: 1206018B-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-AA16-053012

Lab ID#: 1206018B-21A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	3.4	2.0	8.0

Client Sample ID: IAQ-AA16-053012

Lab ID#: 1206018B-21B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.065	0.26	0.50
Carbon Tetrachloride	0.034	0.068	0.21	0.43
Benzene	0.084	0.13	0.27	0.41
Toluene	0.034	0.32	0.13	1.2
Ethyl Benzene	0.034	0.052	0.14	0.22
m,p-Xylene	0.067	0.14	0.29	0.62
o-Xylene	0.034	0.056	0.14	0.24

Client Sample ID: IAQ-AA39-053012

Lab ID#: 1206018B-22A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	3.8	2.0	9.0

Client Sample ID: IAQ-AA39-053012

Lab ID#: 1206018B-22B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Freon 11	0.034	0.21	0.19	1.2
Freon 113	0.034	0.066	0.26	0.50
Carbon Tetrachloride	0.034	0.075	0.22	0.47
Benzene	0.086	0.25	0.27	0.79
Toluene	0.034	0.56	0.13	2.1

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-AA39-053012

Lab ID#: 1206018B-22B

Ethyl Benzene	0.034	0.090	0.15	0.39
m,p-Xylene	0.068	0.28	0.30	1.2
o-Xylene	0.034	0.11	0.15	0.46

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Client Sample ID: IAQ-ROP1-053012

Lab ID#: 1206018B-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060517**	**Date of Collection:**	**5/30/12 8:23:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/5/12 07:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	8.2	2.0	19
Methylene Chloride	0.34	0.64	1.2	2.2

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: IAQ-ROP1-053012

Lab ID#: 1206018B-11B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060517sim**	**Date of Collection:**	**5/30/12 8:23:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/5/12 07:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.49	0.17	2.4
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.067	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.071	0.21	0.44
Benzene	0.084	0.14	0.27	0.45
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	2.3	0.13	8.7
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.12	0.14	0.54
m,p-Xylene	0.067	0.19	0.29	0.84
o-Xylene	0.034	0.072	0.14	0.31
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-ROP2-053012

Lab ID#: 1206018B-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060518**	**Date of Collection:**	**5/30/12 8:30:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/5/12 08:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	4.3	2.0	10
Methylene Chloride	0.34	0.37	1.2	1.3

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-ROP2-053012

Lab ID#: 1206018B-12B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060518sim**	**Date of Collection:**	**5/30/12 8:30:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/5/12 08:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.064	0.26	0.49
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.058	0.21	0.36
Benzene	0.084	0.13	0.27	0.41
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.35	0.13	1.3
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.050	0.14	0.22
m,p-Xylene	0.067	0.15	0.29	0.66
o-Xylene	0.034	0.058	0.14	0.25
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IAQ-ROP3-053012

Lab ID#: 1206018B-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060519**	**Date of Collection:**	**5/30/12 8:25:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**6/5/12 09:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.82	7.0	1.9	17
Methylene Chloride	0.33	Not Detected	1.1	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: IAQ-ROP3-053012

Lab ID#: 1206018B-13B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060519sim**	**Date of Collection:**	**5/30/12 8:25:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**6/5/12 09:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.45	0.16	2.2
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
Freon 11	0.033	0.20	0.18	1.1
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
Freon 113	0.033	0.065	0.25	0.50
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Chloroform	0.033	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.063	0.21	0.40
Benzene	0.082	0.13	0.26	0.41
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	0.41	0.12	1.6
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.069	0.14	0.30
m,p-Xylene	0.066	0.18	0.28	0.80
o-Xylene	0.033	0.073	0.14	0.32
1,4-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected UJ	0.22	Not Detected UJ
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: IAQ-ROP4-053012

Lab ID#: 1206018B-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060520**	**Date of Collection:**	**5/30/12 8:35:00 AM**
Dil. Factor:	**1.83**	**Date of Analysis:**	**6/5/12 09:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.92	4.1	2.2	9.8
Methylene Chloride	0.37	Not Detected	1.3	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-ROP4-053012

Lab ID#: 1206018B-14B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060520sim**	**Date of Collection:**	**5/30/12 8:35:00 AM**
Dil. Factor:	**1.83**	**Date of Analysis:**	**6/5/12 09:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.037	0.50	0.18	2.5
Vinyl Chloride	0.018	Not Detected	0.047	Not Detected
Freon 11	0.037	0.21	0.20	1.2
1,1-Dichloroethene	0.018	Not Detected	0.072	Not Detected
Freon 113	0.037	0.067	0.28	0.52
1,1-Dichloroethane	0.037	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.037	Not Detected	0.14	Not Detected
Chloroform	0.037	Not Detected	0.18	Not Detected
1,1,1-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Carbon Tetrachloride	0.037	0.060	0.23	0.38
Benzene	0.092	0.13	0.29	0.42
1,2-Dichloroethane	0.037	Not Detected	0.15	Not Detected
Trichloroethene	0.037	Not Detected	0.20	Not Detected
trans-1,3-Dichloropropene	0.037	Not Detected	0.17	Not Detected
Toluene	0.037	0.35	0.14	1.3
1,1,2-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Tetrachloroethene	0.037	Not Detected	0.25	Not Detected
Chlorobenzene	0.037	Not Detected	0.17	Not Detected
Ethyl Benzene	0.037	0.056	0.16	0.24
m,p-Xylene	0.073	0.17	0.32	0.73
o-Xylene	0.037	0.064	0.16	0.28
1,4-Dichlorobenzene	0.037	Not Detected	0.22	Not Detected
1,2-Dichlorobenzene	0.037	Not Detected	0.22	Not Detected
1,1,2,2-Tetrachloroethane	0.037	Not Detected UJ	0.25	Not Detected UJ
Methyl tert-butyl ether	0.18	Not Detected	0.66	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-ROP5-053012

Lab ID#: 1206018B-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060521**	**Date of Collection:**	**5/30/12 8:33:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 10:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.1	2.1	9.8
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: IAQ-ROP5-053012

Lab ID#: 1206018B-15B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060521sim**	**Date of Collection:**	**5/30/12 8:33:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 10:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.45	0.17	2.2
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.20	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.066	0.27	0.50
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	0.039	0.17	0.19
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.067	0.22	0.42
Benzene	0.088	0.13	0.28	0.41
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.34	0.13	1.3
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.051	0.15	0.22
m,p-Xylene	0.070	0.15	0.30	0.65
o-Xylene	0.035	0.056	0.15	0.24
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected UJ	0.24	Not Detected UJ
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: IAQ-MM1-053012

Lab ID#: 1206018B-16A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060522**	**Date of Collection:**	**5/30/12 9:00:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**6/5/12 11:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	1.1	6.3	2.5	15
Methylene Chloride	0.42	Not Detected	1.5	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: IAQ-MM1-053012

Lab ID#: 1206018B-16B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060522sim**	**Date of Collection:**	**5/30/12 9:00:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**6/5/12 11:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.042	0.48	0.21	2.4
Vinyl Chloride	0.021	Not Detected	0.054	Not Detected
Freon 11	0.042	2.6	0.24	14
1,1-Dichloroethene	0.021	8.8	0.084	35
Freon 113	0.042	7.6	0.32	58
1,1-Dichloroethane	0.042	Not Detected	0.17	Not Detected
cis-1,2-Dichloroethene	0.042	Not Detected	0.17	Not Detected
Chloroform	0.042	Not Detected	0.21	Not Detected
1,1,1-Trichloroethane	0.042	Not Detected	0.23	Not Detected
Carbon Tetrachloride	0.042	0.072	0.27	0.45
Benzene	0.11	0.18	0.34	0.59
1,2-Dichloroethane	0.042	Not Detected	0.17	Not Detected
Trichloroethene	0.042	1.8	0.23	9.6
trans-1,3-Dichloropropene	0.042	Not Detected	0.19	Not Detected
Toluene	0.042	1.2	0.16	4.6
1,1,2-Trichloroethane	0.042	Not Detected	0.23	Not Detected
Tetrachloroethene	0.042	10	0.29	68
Chlorobenzene	0.042	Not Detected	0.20	Not Detected
Ethyl Benzene	0.042	0.14	0.18	0.61
m,p-Xylene	0.085	0.48	0.37	2.1
o-Xylene	0.042	0.20	0.18	0.86
1,4-Dichlorobenzene	0.042	0.10	0.25	0.62
1,2-Dichlorobenzene	0.042	Not Detected	0.25	Not Detected
1,1,2,2-Tetrachloroethane	0.042	Not Detected UJ	0.29	Not Detected UJ
Methyl tert-butyl ether	0.21	Not Detected	0.76	Not Detected
trans-1,2-Dichloroethene	0.21	Not Detected	0.84	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: IAQ-MM2-053012

Lab ID#: 1206018B-17A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060607**	**Date of Collection:**	**5/30/12 9:04:00 AM**
Dil. Factor:	**2.06**	**Date of Analysis:**	**6/6/12 12:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	1.0	6.3	2.4	15
Methylene Chloride	0.41	Not Detected	1.4	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-MM2-053012

Lab ID#: 1206018B-17B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060607sim**	**Date of Collection:**	**5/30/12 9:04:00 AM**
Dil. Factor:	**2.06**	**Date of Analysis:**	**6/6/12 12:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.041	0.46	0.20	2.3
Vinyl Chloride	0.021	Not Detected	0.053	Not Detected
Freon 11	0.041	0.22	0.23	1.2
1,1-Dichloroethene	0.021	Not Detected	0.082	Not Detected
Freon 113	0.041	0.093	0.32	0.71
1,1-Dichloroethane	0.041	Not Detected	0.17	Not Detected
cis-1,2-Dichloroethene	0.041	Not Detected	0.16	Not Detected
Chloroform	0.041	Not Detected	0.20	Not Detected
1,1,1-Trichloroethane	0.041	Not Detected	0.22	Not Detected
Carbon Tetrachloride	0.041	0.056	0.26	0.35
Benzene	0.10	0.21	0.33	0.68
1,2-Dichloroethane	0.041	Not Detected	0.17	Not Detected
Trichloroethene	0.041	Not Detected	0.22	Not Detected
trans-1,3-Dichloropropene	0.041	Not Detected	0.19	Not Detected
Toluene	0.041	1.5	0.16	5.7
1,1,2-Trichloroethane	0.041	Not Detected	0.22	Not Detected
Tetrachloroethene	0.041	Not Detected	0.28	Not Detected
Chlorobenzene	0.041	Not Detected	0.19	Not Detected
Ethyl Benzene	0.041	0.15	0.18	0.66
m,p-Xylene	0.082	0.53	0.36	2.3
o-Xylene	0.041	0.18	0.18	0.80
1,4-Dichlorobenzene	0.041	Not Detected	0.25	Not Detected
1,2-Dichlorobenzene	0.041	Not Detected	0.25	Not Detected
1,1,2,2-Tetrachloroethane	0.041	Not Detected UJ	0.28	Not Detected UJ
Methyl tert-butyl ether	0.21	Not Detected	0.74	Not Detected
trans-1,2-Dichloroethene	0.21	Not Detected	0.82	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-SDS1-053012

Lab ID#: 1206018B-18A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060608**	**Date of Collection:**	**5/30/12 9:33:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/6/12 12:42 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	6.4	2.0	15
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-SDS1-053012

Lab ID#: 1206018B-18B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060608sim**	**Date of Collection:**	**5/30/12 9:33:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/6/12 12:42 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.43	0.17	2.1
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.073	0.26	0.56
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.062	0.22	0.39
Benzene	0.086	0.17	0.27	0.55
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.48	0.13	1.8
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.076	0.15	0.33
m,p-Xylene	0.068	0.22	0.30	0.96
o-Xylene	0.034	0.082	0.15	0.36
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-SDS2-053012

Lab ID#: 1206018B-19A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060609**	**Date of Collection:**	**5/30/12 9:30:00 AM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**6/6/12 01:19 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.80	7.0	1.9	16
Methylene Chloride	0.32	0.32	1.1	1.1

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

eurofins | Air Toxics

Client Sample ID: IAQ-SDS2-053012

Lab ID#: 1206018B-19B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060609sim**	**Date of Collection:**	**5/30/12 9:30:00 AM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**6/6/12 01:19 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.43	0.16	2.1
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
Freon 11	0.032	0.19	0.18	1.1
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
Freon 113	0.032	0.064	0.25	0.49
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
Chloroform	0.032	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.065	0.20	0.41
Benzene	0.080	0.18	0.26	0.57
1,2-Dichloroethane	0.032	0.11	0.13	0.46
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.15	Not Detected
Toluene	0.032	13	0.12	48
1,1,2-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected
Chlorobenzene	0.032	Not Detected	0.15	Not Detected
Ethyl Benzene	0.032	1.0	0.14	4.6
m,p-Xylene	0.064	0.85	0.28	3.7
o-Xylene	0.032	0.37	0.14	1.6
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected UJ	0.22	Not Detected UJ
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-AA8-053012

Lab ID#: 1206018B-20A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060610**	**Date of Collection:**	**5/30/12 8:40:00 AM**
Dil. Factor:	**1.91**	**Date of Analysis:**	**6/6/12 01:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.96	3.4	2.3	8.0
Methylene Chloride	0.38	Not Detected	1.3	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: IAQ-AA8-053012

Lab ID#: 1206018B-20B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060610sim**	**Date of Collection:**	**5/30/12 8:40:00 AM**
Dil. Factor:	**1.91**	**Date of Analysis:**	**6/6/12 01:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.038	0.44	0.19	2.2
Vinyl Chloride	0.019	Not Detected	0.049	Not Detected
Freon 11	0.038	0.20	0.21	1.1
1,1-Dichloroethene	0.019	Not Detected	0.076	Not Detected
Freon 113	0.038	0.068	0.29	0.52
1,1-Dichloroethane	0.038	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.038	Not Detected	0.15	Not Detected
Chloroform	0.038	Not Detected	0.19	Not Detected
1,1,1-Trichloroethane	0.038	Not Detected	0.21	Not Detected
Carbon Tetrachloride	0.038	0.068	0.24	0.43
Benzene	0.096	0.12	0.30	0.38
1,2-Dichloroethane	0.038	Not Detected	0.15	Not Detected
Trichloroethene	0.038	Not Detected	0.20	Not Detected
trans-1,3-Dichloropropene	0.038	Not Detected	0.17	Not Detected
Toluene	0.038	0.19	0.14	0.72
1,1,2-Trichloroethane	0.038	Not Detected	0.21	Not Detected
Tetrachloroethene	0.038	Not Detected	0.26	Not Detected
Chlorobenzene	0.038	Not Detected	0.18	Not Detected
Ethyl Benzene	0.038	Not Detected	0.16	Not Detected
m,p-Xylene	0.076	Not Detected	0.33	Not Detected
o-Xylene	0.038	Not Detected	0.16	Not Detected
1,4-Dichlorobenzene	0.038	Not Detected	0.23	Not Detected
1,2-Dichlorobenzene	0.038	Not Detected	0.23	Not Detected
1,1,2,2-Tetrachloroethane	0.038	Not Detected UJ	0.26	Not Detected UJ
Methyl tert-butyl ether	0.19	Not Detected	0.69	Not Detected
trans-1,2-Dichloroethene	0.19	Not Detected	0.76	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-AA16-053012

Lab ID#: 1206018B-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060611**	**Date of Collection:**	**5/30/12 8:04:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/6/12 02:33 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	3.4	2.0	8.0
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-AA16-053012

Lab ID#: 1206018B-21B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060611sim**	**Date of Collection:**	**5/30/12 8:04:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/6/12 02:33 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.065	0.26	0.50
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.068	0.21	0.43
Benzene	0.084	0.13	0.27	0.41
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.32	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.052	0.14	0.22
m,p-Xylene	0.067	0.14	0.29	0.62
o-Xylene	0.034	0.056	0.14	0.24
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-AA39-053012

Lab ID#: 1206018B-22A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060612**	**Date of Collection:**	**5/30/12 9:43:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/6/12 03:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	3.8	2.0	9.0
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-AA39-053012

Lab ID#: 1206018B-22B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060612sim**	**Date of Collection:**	**5/30/12 9:43:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/6/12 03:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.066	0.26	0.50
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.075	0.22	0.47
Benzene	0.086	0.25	0.27	0.79
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.56	0.13	2.1
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.090	0.15	0.39
m,p-Xylene	0.068	0.28	0.30	1.2
o-Xylene	0.034	0.11	0.15	0.46
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206018B-23A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 11:47 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206018B-23B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060506sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 11:47 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected UJ	0.14	Not Detected UJ
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206018B-23C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060606**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 11:14 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206018B-23D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060606sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 11:14 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected UJ	0.14	Not Detected UJ
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: CCV

Lab ID#: 1206018B-24A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 08:44 AM**	

Compound	**%Recovery**
Acetone	96
Methylene Chloride	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: CCV

Lab ID#: 1206018B-24B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060502sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 08:44 AM**	

Compound	**%Recovery**
Freon 12	94
Vinyl Chloride	84
Freon 11	89
1,1-Dichloroethene	86
Freon 113	91
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	91
Chloroform	90
1,1,1-Trichloroethane	88
Carbon Tetrachloride	112
Benzene	77
1,2-Dichloroethane	84
Trichloroethene	99
trans-1,3-Dichloropropene	96
Toluene	88
1,1,2-Trichloroethane	92
Tetrachloroethene	87
Chlorobenzene	87
Ethyl Benzene	92
m,p-Xylene	91
o-Xylene	92
1,4-Dichlorobenzene	82
1,2-Dichlorobenzene	90
1,1,2,2-Tetrachloroethane	68 Q
Methyl tert-butyl ether	93
trans-1,2-Dichloroethene	93

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1206018B-24C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 08:30 AM**	

Compound	**%Recovery**
Acetone	94
Methylene Chloride	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: CCV

Lab ID#: 1206018B-24D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060602sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 08:30 AM**	

Compound	**%Recovery**
Freon 12	98
Vinyl Chloride	86
Freon 11	91
1,1-Dichloroethene	84
Freon 113	91
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	91
Chloroform	91
1,1,1-Trichloroethane	89
Carbon Tetrachloride	112
Benzene	78
1,2-Dichloroethane	86
Trichloroethene	101
trans-1,3-Dichloropropene	94
Toluene	89
1,1,2-Trichloroethane	91
Tetrachloroethene	89
Chlorobenzene	88
Ethyl Benzene	93
m,p-Xylene	96
o-Xylene	96
1,4-Dichlorobenzene	87
1,2-Dichlorobenzene	96
1,1,2,2-Tetrachloroethane	68 Q
Methyl tert-butyl ether	92
trans-1,2-Dichloroethene	93

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 1206018B-25A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 09:27 AM**	

Compound	**%Recovery**
Acetone	94
Methylene Chloride	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCSD

Lab ID#: 1206018B-25AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 10:14 AM**	

Compound	**%Recovery**
Acetone	102
Methylene Chloride	100

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCS

Lab ID#: 1206018B-25B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060503sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 09:27 AM**	

Compound	**%Recovery**
Freon 12	95
Vinyl Chloride	85
Freon 11	91
1,1-Dichloroethene	91
Freon 113	92
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	93
Chloroform	92
1,1,1-Trichloroethane	90
Carbon Tetrachloride	108
Benzene	78
1,2-Dichloroethane	86
Trichloroethene	77
trans-1,3-Dichloropropene	102
Toluene	88
1,1,2-Trichloroethane	97
Tetrachloroethene	87
Chlorobenzene	90
Ethyl Benzene	92
m,p-Xylene	92
o-Xylene	90
1,4-Dichlorobenzene	78
1,2-Dichlorobenzene	87
1,1,2,2-Tetrachloroethane	102
Methyl tert-butyl ether	96
trans-1,2-Dichloroethene	105

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 1206018B-25BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060504sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 10:14 AM**	

Compound	**%Recovery**
Freon 12	105
Vinyl Chloride	93
Freon 11	100
1,1-Dichloroethene	100
Freon 113	101
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	102
Chloroform	101
1,1,1-Trichloroethane	99
Carbon Tetrachloride	119
Benzene	86
1,2-Dichloroethane	94
Trichloroethene	84
trans-1,3-Dichloropropene	109
Toluene	96
1,1,2-Trichloroethane	102
Tetrachloroethene	95
Chlorobenzene	97
Ethyl Benzene	102
m,p-Xylene	104
o-Xylene	103
1,4-Dichlorobenzene	89
1,2-Dichlorobenzene	99
1,1,2,2-Tetrachloroethane	109
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	115

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCS

Lab ID#: 1206018B-25C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 09:19 AM**	

Compound	**%Recovery**
Acetone	93
Methylene Chloride	93

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: LCSD

Lab ID#: 1206018B-25CC

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 10:01 AM**	

Compound	**%Recovery**
Acetone	93
Methylene Chloride	93

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCS

Lab ID#: 1206018B-25D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060603sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 09:19 AM**	

Compound	**%Recovery**
Freon 12	98
Vinyl Chloride	87
Freon 11	92
1,1-Dichloroethene	91
Freon 113	93
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	93
Chloroform	92
1,1,1-Trichloroethane	91
Carbon Tetrachloride	108
Benzene	79
1,2-Dichloroethane	88
Trichloroethene	78
trans-1,3-Dichloropropene	99
Toluene	89
1,1,2-Trichloroethane	95
Tetrachloroethene	88
Chlorobenzene	90
Ethyl Benzene	92
m,p-Xylene	89
o-Xylene	90
1,4-Dichlorobenzene	80
1,2-Dichlorobenzene	90
1,1,2,2-Tetrachloroethane	104
Methyl tert-butyl ether	95
trans-1,2-Dichloroethene	105

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCSD

Lab ID#: 1206018B-25DD

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060604sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/6/12 10:01 AM**	

Compound	**%Recovery**
Freon 12	97
Vinyl Chloride	86
Freon 11	92
1,1-Dichloroethene	90
Freon 113	92
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	92
Chloroform	92
1,1,1-Trichloroethane	91
Carbon Tetrachloride	107
Benzene	78
1,2-Dichloroethane	87
Trichloroethene	78
trans-1,3-Dichloropropene	97
Toluene	89
1,1,2-Trichloroethane	92
Tetrachloroethene	87
Chlorobenzene	90
Ethyl Benzene	92
m,p-Xylene	91
o-Xylene	93
1,4-Dichlorobenzene	82
1,2-Dichlorobenzene	91
1,1,2,2-Tetrachloroethane	102
Methyl tert-butyl ether	95
trans-1,2-Dichloroethene	104

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	97	70-130

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6/12/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500
Workorder #: 1206018A

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 6/1/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 /2 lists are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1206018A

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	10500-90421-AOC.IAQ
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	06/01/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	06/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-FRR1-053012	Modified TO-15 /2 lists	6.0 "Hg	5 psi
01B	IAQ-FRR1-053012	Modified TO-15 /2 lists	6.0 "Hg	5 psi
02A	IAQ-FRR1-053012-K	Modified TO-15 /2 lists	5.5 "Hg	5 psi
02B	IAQ-FRR1-053012-K	Modified TO-15 /2 lists	5.5 "Hg	5 psi
03A	IAQ-FRR2-053012	Modified TO-15 /2 lists	6.5 "Hg	5 psi
03B	IAQ-FRR2-053012	Modified TO-15 /2 lists	6.5 "Hg	5 psi
04A	IAQ-FRR3-053012	Modified TO-15 /2 lists	6.5 "Hg	5 psi
04B	IAQ-FRR3-053012	Modified TO-15 /2 lists	6.5 "Hg	5 psi
05A	IAQ-WCCS2-053012	Modified TO-15 /2 lists	4.0 "Hg	5 psi
05B	IAQ-WCCS2-053012	Modified TO-15 /2 lists	4.0 "Hg	5 psi
06A	IAQ-WCCS3-053012	Modified TO-15 /2 lists	7.0 "Hg	5 psi
06B	IAQ-WCCS3-053012	Modified TO-15 /2 lists	7.0 "Hg	5 psi
07A	IAQ-WCCS4-053012	Modified TO-15 /2 lists	6.5 "Hg	5 psi
07B	IAQ-WCCS4-053012	Modified TO-15 /2 lists	6.5 "Hg	5 psi
08A	IAQ-WCCS6-053012	Modified TO-15 /2 lists	7.0 "Hg	5 psi
08B	IAQ-WCCS6-053012	Modified TO-15 /2 lists	7.0 "Hg	5 psi
09A	IAQ-WCCS7-053012	Modified TO-15 /2 lists	7.0 "Hg	5 psi
09B	IAQ-WCCS7-053012	Modified TO-15 /2 lists	7.0 "Hg	5 psi
10A	IAQ-WCCS7-053012-K	Modified TO-15 /2 lists	7.0 "Hg	5 psi
10B	IAQ-WCCS7-053012-K	Modified TO-15 /2 lists	7.0 "Hg	5 psi
11A	Lab Blank	Modified TO-15 /2 lists	NA	NA
11B	Lab Blank	Modified TO-15 /2 lists	NA	NA
12A	CCV	Modified TO-15 /2 lists	NA	NA

Continued on next page

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WORK ORDER #: 1206018A

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	10500-90421-AOC.IAQ
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	06/01/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	06/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
12B	CCV	Modified TO-15 /2 lists	NA	NA
13A	LCS	Modified TO-15 /2 lists	NA	NA
13AA	LCSD	Modified TO-15 /2 lists	NA	NA
13B	LCS	Modified TO-15 /2 lists	NA	NA
13BB	LCSD	Modified TO-15 /2 lists	NA	NA

CERTIFIED BY: Linda J. Freeman

DATE: 06/12/12

Laboratory Director

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
CDM Smith Inc.
Workorder# 1206018A

Ten 6 Liter Summa Canister (SIM Certified) samples were received on June 01, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

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

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is

defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-FRR1-053012

Lab ID#: 1206018A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	11	2.0	26

Client Sample ID: IAQ-FRR1-053012

Lab ID#: 1206018A-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.46	0.17	2.3
Freon 11	0.034	0.21	0.19	1.2
Freon 113	0.034	0.067	0.26	0.52
Carbon Tetrachloride	0.034	0.078	0.21	0.49
Benzene	0.084	0.17	0.27	0.53
1,2-Dichloroethane	0.034	0.064	0.14	0.26
Toluene	0.034	0.58	0.13	2.2
Tetrachloroethene	0.034	0.061	0.23	0.41
Ethyl Benzene	0.034	0.089	0.14	0.38
m,p-Xylene	0.067	0.27	0.29	1.2
o-Xylene	0.034	0.098	0.14	0.42
1,4-Dichlorobenzene	0.034	1.0	0.20	6.3

Client Sample ID: IAQ-FRR1-053012-K

Lab ID#: 1206018A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.82	8.8	1.9	21

Client Sample ID: IAQ-FRR1-053012-K

Lab ID#: 1206018A-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.43	0.16	2.1
Freon 11	0.033	0.19	0.18	1.1
Freon 113	0.033	0.063	0.25	0.48

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-FRR1-053012-K

Lab ID#: 1206018A-02B

Carbon Tetrachloride	0.033	0.061	0.21	0.38
Benzene	0.082	0.15	0.26	0.49
1,2-Dichloroethane	0.033	0.059	0.13	0.24
Toluene	0.033	0.51	0.12	1.9
Tetrachloroethene	0.033	0.055	0.22	0.37
Ethyl Benzene	0.033	0.080	0.14	0.34
m,p-Xylene	0.066	0.24	0.28	1.0
o-Xylene	0.033	0.086	0.14	0.37
1,4-Dichlorobenzene	0.033	0.87	0.20	5.2

Client Sample ID: IAQ-FRR2-053012

Lab ID#: 1206018A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	4.1	2.0	9.8

Client Sample ID: IAQ-FRR2-053012

Lab ID#: 1206018A-03B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.064	0.26	0.49
Carbon Tetrachloride	0.034	0.072	0.22	0.46
Benzene	0.086	0.16	0.27	0.51
Toluene	0.034	0.52	0.13	2.0
Ethyl Benzene	0.034	0.064	0.15	0.28
m,p-Xylene	0.068	0.20	0.30	0.89
o-Xylene	0.034	0.079	0.15	0.34
1,4-Dichlorobenzene	0.034	0.074	0.20	0.45

Client Sample ID: IAQ-FRR3-053012

Lab ID#: 1206018A-04A

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-FRR3-053012

Lab ID#: 1206018A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	4.2	2.0	10

Client Sample ID: IAQ-FRR3-053012

Lab ID#: 1206018A-04B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.064	0.26	0.49
Carbon Tetrachloride	0.034	0.060	0.22	0.38
Benzene	0.086	0.14	0.27	0.45
Toluene	0.034	0.49	0.13	1.9
Tetrachloroethene	0.034	0.051	0.23	0.35
Ethyl Benzene	0.034	0.060	0.15	0.26
m,p-Xylene	0.068	0.20	0.30	0.85
o-Xylene	0.034	0.074	0.15	0.32

Client Sample ID: IAQ-WCCS2-053012

Lab ID#: 1206018A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.78	4.9	1.8	12
Methylene Chloride	0.31	0.82	1.1	2.8

Client Sample ID: IAQ-WCCS2-053012

Lab ID#: 1206018A-05B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.44	0.15	2.2
Freon 11	0.031	0.20	0.17	1.1
Freon 113	0.031	0.067	0.24	0.51
Carbon Tetrachloride	0.031	0.070	0.20	0.44

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-WCCS2-053012

Lab ID#: 1206018A-05B

Benzene	0.078	0.13	0.25	0.42
1,2-Dichloroethane	0.031	0.098	0.12	0.40
Toluene	0.031	0.89	0.12	3.4
Tetrachloroethene	0.031	0.061	0.21	0.41
Ethyl Benzene	0.031	0.28	0.13	1.2
m,p-Xylene	0.062	0.82	0.27	3.6
o-Xylene	0.031	0.29	0.13	1.2

Client Sample ID: IAQ-WCCS3-053012

Lab ID#: 1206018A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.3	2.1	10

Client Sample ID: IAQ-WCCS3-053012

Lab ID#: 1206018A-06B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.44	0.17	2.2
Freon 11	0.035	0.20	0.20	1.1
Freon 113	0.035	0.067	0.27	0.51
Carbon Tetrachloride	0.035	0.071	0.22	0.44
Benzene	0.088	0.12	0.28	0.39
Toluene	0.035	0.33	0.13	1.2
Tetrachloroethene	0.035	0.039	0.24	0.27
Ethyl Benzene	0.035	0.049	0.15	0.21
m,p-Xylene	0.070	0.16	0.30	0.68
o-Xylene	0.035	0.061	0.15	0.27

Client Sample ID: IAQ-WCCS4-053012

Lab ID#: 1206018A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	4.4	2.0	10

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-WCCS4-053012

Lab ID#: 1206018A-07B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.066	0.26	0.51
Carbon Tetrachloride	0.034	0.066	0.22	0.41
Benzene	0.086	0.12	0.27	0.40
Toluene	0.034	0.31	0.13	1.2
Tetrachloroethene	0.034	0.042	0.23	0.28
Ethyl Benzene	0.034	0.051	0.15	0.22
m,p-Xylene	0.068	0.14	0.30	0.59
o-Xylene	0.034	0.054	0.15	0.24

Client Sample ID: IAQ-WCCS6-053012

Lab ID#: 1206018A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	3.9	2.1	9.2

Client Sample ID: IAQ-WCCS6-053012

Lab ID#: 1206018A-08B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.44	0.17	2.2
Freon 11	0.035	0.20	0.20	1.1
Freon 113	0.035	0.068	0.27	0.52
Carbon Tetrachloride	0.035	0.069	0.22	0.44
Benzene	0.088	0.12	0.28	0.39
Toluene	0.035	0.32	0.13	1.2
Ethyl Benzene	0.035	0.046	0.15	0.20
m,p-Xylene	0.070	0.14	0.30	0.60
o-Xylene	0.035	0.053	0.15	0.23

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-WCCS7-053012

Lab ID#: 1206018A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.3	2.1	10

Client Sample ID: IAQ-WCCS7-053012

Lab ID#: 1206018A-09B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.45	0.17	2.2
Freon 11	0.035	0.20	0.20	1.1
Freon 113	0.035	0.069	0.27	0.53
Carbon Tetrachloride	0.035	0.072	0.22	0.45
Benzene	0.088	0.12	0.28	0.40
Toluene	0.035	0.32	0.13	1.2
Ethyl Benzene	0.035	0.048	0.15	0.21
m,p-Xylene	0.070	0.13	0.30	0.57
o-Xylene	0.035	0.052	0.15	0.22

Client Sample ID: IAQ-WCCS7-053012-K

Lab ID#: 1206018A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	3.5	2.1	8.2

Client Sample ID: IAQ-WCCS7-053012-K

Lab ID#: 1206018A-10B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.45	0.17	2.2
Freon 11	0.035	0.20	0.20	1.1
Freon 113	0.035	0.068	0.27	0.52
Carbon Tetrachloride	0.035	0.071	0.22	0.44
Benzene	0.088	0.12	0.28	0.39
Toluene	0.035	0.32	0.13	1.2

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-WCCS7-053012-K

Lab ID#: 1206018A-10B

Ethyl Benzene	0.035	0.047	0.15	0.20
m,p-Xylene	0.070	0.14	0.30	0.61
o-Xylene	0.035	0.054	0.15	0.23

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Client Sample ID: IAQ-FRR1-053012

Lab ID#: 1206018A-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060507**	**Date of Collection:**	**5/30/12 7:10:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/5/12 12:39 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	11	2.0	26
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: IAQ-FRR1-053012

Lab ID#: 1206018A-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060507sim**	**Date of Collection:**	**5/30/12 7:10:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/5/12 12:39 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.46	0.17	2.3
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.067	0.26	0.52
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.078	0.21	0.49
Benzene	0.084	0.17	0.27	0.53
1,2-Dichloroethane	0.034	0.064	0.14	0.26
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.58	0.13	2.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.061	0.23	0.41
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.089	0.14	0.38
m,p-Xylene	0.067	0.27	0.29	1.2
o-Xylene	0.034	0.098	0.14	0.42
1,4-Dichlorobenzene	0.034	1.0	0.20	6.3
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-FRR1-053012-K

Lab ID#: 1206018A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060508**	**Date of Collection:**	**5/30/12 7:11:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**6/5/12 01:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.82	8.8	1.9	21
Methylene Chloride	0.33	Not Detected	1.1	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-FRR1-053012-K

Lab ID#: 1206018A-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060508sim**	**Date of Collection:**	**5/30/12 7:11:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**6/5/12 01:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.43	0.16	2.1
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
Freon 11	0.033	0.19	0.18	1.1
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
Freon 113	0.033	0.063	0.25	0.48
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Chloroform	0.033	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.061	0.21	0.38
Benzene	0.082	0.15	0.26	0.49
1,2-Dichloroethane	0.033	0.059	0.13	0.24
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	0.51	0.12	1.9
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.055	0.22	0.37
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.080	0.14	0.34
m,p-Xylene	0.066	0.24	0.28	1.0
o-Xylene	0.033	0.086	0.14	0.37
1,4-Dichlorobenzene	0.033	0.87	0.20	5.2
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected UJ	0.22	Not Detected UJ
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-FRR2-053012

Lab ID#: 1206018A-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060509**	**Date of Collection:**	**5/30/12 7:15:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/5/12 01:57 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	4.1	2.0	9.8
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-FRR2-053012

Lab ID#: 1206018A-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060509sim**	**Date of Collection:**	**5/30/12 7:15:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/5/12 01:57 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.064	0.26	0.49
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.072	0.22	0.46
Benzene	0.086	0.16	0.27	0.51
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.52	0.13	2.0
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.064	0.15	0.28
m,p-Xylene	0.068	0.20	0.30	0.89
o-Xylene	0.034	0.079	0.15	0.34
1,4-Dichlorobenzene	0.034	0.074	0.20	0.45
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-FRR3-053012

Lab ID#: 1206018A-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060510**	**Date of Collection:**	**5/30/12 7:18:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/5/12 02:33 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	4.2	2.0	10
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-FRR3-053012

Lab ID#: 1206018A-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060510sim**	**Date of Collection:**	**5/30/12 7:18:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/5/12 02:33 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.064	0.26	0.49
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.060	0.22	0.38
Benzene	0.086	0.14	0.27	0.45
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.49	0.13	1.9
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.051	0.23	0.35
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.060	0.15	0.26
m,p-Xylene	0.068	0.20	0.30	0.85
o-Xylene	0.034	0.074	0.15	0.32
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-WCCS2-053012

Lab ID#: 1206018A-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060511**	**Date of Collection:**	**5/30/12 7:47:00 AM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**6/5/12 03:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.78	4.9	1.8	12
Methylene Chloride	0.31	0.82	1.1	2.8

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: IAQ-WCCS2-053012

Lab ID#: 1206018A-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060511sim**	**Date of Collection:**	**5/30/12 7:47:00 AM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**6/5/12 03:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.44	0.15	2.2
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.031	0.20	0.17	1.1
1,1-Dichloroethene	0.016	Not Detected	0.061	Not Detected
Freon 113	0.031	0.067	0.24	0.51
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
Chloroform	0.031	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.031	0.070	0.20	0.44
Benzene	0.078	0.13	0.25	0.42
1,2-Dichloroethane	0.031	0.098	0.12	0.40
Trichloroethene	0.031	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.031	Not Detected	0.14	Not Detected
Toluene	0.031	0.89	0.12	3.4
1,1,2-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Tetrachloroethene	0.031	0.061	0.21	0.41
Chlorobenzene	0.031	Not Detected	0.14	Not Detected
Ethyl Benzene	0.031	0.28	0.13	1.2
m,p-Xylene	0.062	0.82	0.27	3.6
o-Xylene	0.031	0.29	0.13	1.2
1,4-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
1,1,2,2-Tetrachloroethane	0.031	Not Detected UJ	0.21	Not Detected UJ
Methyl tert-butyl ether	0.16	Not Detected	0.56	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-WCCS3-053012

Lab ID#: 1206018A-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060512**	**Date of Collection:**	**5/30/12 7:45:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 03:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.3	2.1	10
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: IAQ-WCCS3-053012

Lab ID#: 1206018A-06B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060512sim**	**Date of Collection:**	**5/30/12 7:45:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 03:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.44	0.17	2.2
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.20	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.067	0.27	0.51
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.071	0.22	0.44
Benzene	0.088	0.12	0.28	0.39
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.33	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.039	0.24	0.27
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.049	0.15	0.21
m,p-Xylene	0.070	0.16	0.30	0.68
o-Xylene	0.035	0.061	0.15	0.27
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected UJ	0.24	Not Detected UJ
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: IAQ-WCCS4-053012

Lab ID#: 1206018A-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060513**	**Date of Collection:**	**5/30/12 7:49:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/5/12 04:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	4.4	2.0	10
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: IAQ-WCCS4-053012

Lab ID#: 1206018A-07B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060513sim**	**Date of Collection:**	**5/30/12 7:49:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**6/5/12 04:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.066	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.066	0.22	0.41
Benzene	0.086	0.12	0.27	0.40
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	0.31	0.13	1.2
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.042	0.23	0.28
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.051	0.15	0.22
m,p-Xylene	0.068	0.14	0.30	0.59
o-Xylene	0.034	0.054	0.15	0.24
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected UJ	0.23	Not Detected UJ
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-WCCS6-053012

Lab ID#: 1206018A-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060514**	**Date of Collection:**	**5/30/12 8:00:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 05:27 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	3.9	2.1	9.2
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-WCCS6-053012

Lab ID#: 1206018A-08B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060514sim**	**Date of Collection:**	**5/30/12 8:00:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 05:27 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.44	0.17	2.2
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.20	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.068	0.27	0.52
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.069	0.22	0.44
Benzene	0.088	0.12	0.28	0.39
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.32	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.046	0.15	0.20
m,p-Xylene	0.070	0.14	0.30	0.60
o-Xylene	0.035	0.053	0.15	0.23
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected UJ	0.24	Not Detected UJ
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-WCCS7-053012

Lab ID#: 1206018A-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060515**	**Date of Collection:**	**5/30/12 8:01:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 06:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.3	2.1	10
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: IAQ-WCCS7-053012

Lab ID#: 1206018A-09B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060515sim**	**Date of Collection:**	**5/30/12 8:01:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 06:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.45	0.17	2.2
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.20	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.069	0.27	0.53
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.072	0.22	0.45
Benzene	0.088	0.12	0.28	0.40
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.32	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.048	0.15	0.21
m,p-Xylene	0.070	0.13	0.30	0.57
o-Xylene	0.035	0.052	0.15	0.22
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected UJ	0.24	Not Detected UJ
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: IAQ-WCCS7-053012-K

Lab ID#: 1206018A-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060516**	**Date of Collection:**	**5/30/12 8:02:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 06:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	3.5	2.1	8.2
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-WCCS7-053012-K

Lab ID#: 1206018A-10B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060516sim**	**Date of Collection:**	**5/30/12 8:02:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**6/5/12 06:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.45	0.17	2.2
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.20	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.068	0.27	0.52
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.071	0.22	0.44
Benzene	0.088	0.12	0.28	0.39
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.32	0.13	1.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.24	Not Detected
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.047	0.15	0.20
m,p-Xylene	0.070	0.14	0.30	0.61
o-Xylene	0.035	0.054	0.15	0.23
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected UJ	0.24	Not Detected UJ
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206018A-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 11:47 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206018A-11B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060506sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 11:47 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected UJ	0.14	Not Detected UJ
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: CCV

Lab ID#: 1206018A-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 08:44 AM**	

Compound	**%Recovery**
Acetone	96
Methylene Chloride	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: CCV

Lab ID#: 1206018A-12B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060502sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 08:44 AM**	

Compound	**%Recovery**
Freon 12	94
Vinyl Chloride	84
Freon 11	89
1,1-Dichloroethene	86
Freon 113	91
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	91
Chloroform	90
1,1,1-Trichloroethane	88
Carbon Tetrachloride	112
Benzene	77
1,2-Dichloroethane	84
Trichloroethene	99
trans-1,3-Dichloropropene	96
Toluene	88
1,1,2-Trichloroethane	92
Tetrachloroethene	87
Chlorobenzene	87
Ethyl Benzene	92
m,p-Xylene	91
o-Xylene	92
1,4-Dichlorobenzene	82
1,2-Dichlorobenzene	90
1,1,2,2-Tetrachloroethane	68 Q
Methyl tert-butyl ether	93
trans-1,2-Dichloroethene	93

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCS

Lab ID#: 1206018A-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 09:27 AM**	

Compound	**%Recovery**
Acetone	94
Methylene Chloride	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCSD

Lab ID#: 1206018A-13AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 10:14 AM**	

Compound	**%Recovery**
Acetone	102
Methylene Chloride	100

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCS

Lab ID#: 1206018A-13B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060503sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 09:27 AM**	

Compound	**%Recovery**
Freon 12	95
Vinyl Chloride	85
Freon 11	91
1,1-Dichloroethene	91
Freon 113	92
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	93
Chloroform	92
1,1,1-Trichloroethane	90
Carbon Tetrachloride	108
Benzene	78
1,2-Dichloroethane	86
Trichloroethene	77
trans-1,3-Dichloropropene	102
Toluene	88
1,1,2-Trichloroethane	97
Tetrachloroethene	87
Chlorobenzene	90
Ethyl Benzene	92
m,p-Xylene	92
o-Xylene	90
1,4-Dichlorobenzene	78
1,2-Dichlorobenzene	87
1,1,2,2-Tetrachloroethane	102
Methyl tert-butyl ether	96
trans-1,2-Dichloroethene	105

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 1206018A-13BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v060504sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/5/12 10:14 AM**	

Compound	**%Recovery**
Freon 12	105
Vinyl Chloride	93
Freon 11	100
1,1-Dichloroethene	100
Freon 113	101
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	102
Chloroform	101
1,1,1-Trichloroethane	99
Carbon Tetrachloride	119
Benzene	86
1,2-Dichloroethane	94
Trichloroethene	84
trans-1,3-Dichloropropene	109
Toluene	96
1,1,2-Trichloroethane	102
Tetrachloroethene	95
Chlorobenzene	97
Ethyl Benzene	102
m,p-Xylene	104
o-Xylene	103
1,4-Dichlorobenzene	89
1,2-Dichlorobenzene	99
1,1,2,2-Tetrachloroethane	109
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	115

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	96	70-130

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7/10/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #:
Workorder #: 1206681

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 6/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1206681

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	
FAX:	949-725-3790	**PROJECT #**	Omega IAQ
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/07/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-TP1-062712	Modified TO-15	6.8 "Hg	5 psi
01B	IAQ-TP1-062712	Modified TO-15	6.8 "Hg	5 psi
02A	IAQ-TP2-062712	Modified TO-15	6.4 "Hg	5 psi
02B	IAQ-TP2-062712	Modified TO-15	6.4 "Hg	5 psi
03A	IAQ-TP3-062712	Modified TO-15	6.6 "Hg	5 psi
03B	IAQ-TP3-062712	Modified TO-15	6.6 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
04B	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
05B	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06AA	LCSD	Modified TO-15	NA	NA
06B	LCS	Modified TO-15	NA	NA
06BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes

Technical Director

DATE: 07/10/12

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
CDM Smith Inc.
Workorder# 1206681

Three 6 Liter Summa Canister (SIM Certified) samples were received on June 29, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

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

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-TP1-062712

Lab ID#: 1206681-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	6.6	2.0	16

Client Sample ID: IAQ-TP1-062712

Lab ID#: 1206681-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.41	0.17	2.0
Freon 11	0.035	0.21	0.19	1.2
Freon 113	0.035	0.066	0.26	0.51
Chloroform	0.035	0.036	0.17	0.17
Carbon Tetrachloride	0.035	0.064	0.22	0.40
Benzene	0.086	0.27	0.28	0.86
Toluene	0.035	0.85	0.13	3.2
Tetrachloroethene	0.035	0.052	0.23	0.36
Ethyl Benzene	0.035	0.12	0.15	0.51
m,p-Xylene	0.069	0.34	0.30	1.5
o-Xylene	0.035	0.13	0.15	0.56

Client Sample ID: IAQ-TP2-062712

Lab ID#: 1206681-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.85	5.9	2.0	14

Client Sample ID: IAQ-TP2-062712

Lab ID#: 1206681-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.42	0.17	2.1
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.067	0.26	0.51
Chloroform	0.034	0.036	0.17	0.18

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-TP2-062712

Lab ID#: 1206681-02B

Carbon Tetrachloride	0.034	0.061	0.21	0.38
Benzene	0.085	0.25	0.27	0.80
Toluene	0.034	2.4	0.13	9.0
Tetrachloroethene	0.034	0.046	0.23	0.31
Ethyl Benzene	0.034	0.36	0.15	1.6
m,p-Xylene	0.068	1.2	0.30	5.1
o-Xylene	0.034	0.35	0.15	1.5

Client Sample ID: IAQ-TP3-062712

Lab ID#: 1206681-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	12	2.0	29

Client Sample ID: IAQ-TP3-062712

Lab ID#: 1206681-03B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.42	0.17	2.1
Freon 11	0.034	0.21	0.19	1.2
Freon 113	0.034	0.067	0.26	0.51
Carbon Tetrachloride	0.034	0.059	0.22	0.37
Benzene	0.086	0.95	0.27	3.0
Toluene	0.034	4.4	0.13	16
Tetrachloroethene	0.034	0.11	0.23	0.78
Ethyl Benzene	0.034	0.90	0.15	3.9
m,p-Xylene	0.069	3.4	0.30	15
o-Xylene	0.034	1.4	0.15	6.3

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Client Sample ID: IAQ-TP1-062712

Lab ID#: 1206681-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070515**	**Date of Collection:**	**6/27/12 8:10:00 AM**
Dil. Factor:	**1.73**	**Date of Analysis:**	**7/5/12 05:40 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	6.6	2.0	16
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-TP1-062712

Lab ID#: 1206681-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070515sim**	**Date of Collection:**	**6/27/12 8:10:00 AM**
Dil. Factor:	**1.73**	**Date of Analysis:**	**7/5/12 05:40 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.41	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.035	0.21	0.19	1.2
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.035	0.066	0.26	0.51
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	0.036	0.17	0.17
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.064	0.22	0.40
Benzene	0.086	0.27	0.28	0.86
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.85	0.13	3.2
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.052	0.23	0.36
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.12	0.15	0.51
m,p-Xylene	0.069	0.34	0.30	1.5
o-Xylene	0.035	0.13	0.15	0.56
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IAQ-TP2-062712

Lab ID#: 1206681-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070516**	**Date of Collection:**	**6/27/12 8:13:00 AM**
Dil. Factor:	**1.70**	**Date of Analysis:**	**7/5/12 06:19 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.85	5.9	2.0	14
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-TP2-062712

Lab ID#: 1206681-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070516sim**	**Date of Collection:**	**6/27/12 8:13:00 AM**
Dil. Factor:	**1.70**	**Date of Analysis:**	**7/5/12 06:19 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.42	0.17	2.1
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.067	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.036	0.17	0.18
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.061	0.21	0.38
Benzene	0.085	0.25	0.27	0.80
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	2.4	0.13	9.0
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.046	0.23	0.31
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.36	0.15	1.6
m,p-Xylene	0.068	1.2	0.30	5.1
o-Xylene	0.034	0.35	0.15	1.5
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-TP3-062712

Lab ID#: 1206681-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070517**	**Date of Collection:**	**6/27/12 8:08:00 AM**
Dil. Factor:	**1.72**	**Date of Analysis:**	**7/5/12 06:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	12	2.0	29
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IAQ-TP3-062712

Lab ID#: 1206681-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070517sim**	**Date of Collection:**	**6/27/12 8:08:00 AM**
Dil. Factor:	**1.72**	**Date of Analysis:**	**7/5/12 06:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.42	0.17	2.1
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.21	0.19	1.2
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.067	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.059	0.22	0.37
Benzene	0.086	0.95	0.27	3.0
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	4.4	0.13	16
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.11	0.23	0.78
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.90	0.15	3.9
m,p-Xylene	0.069	3.4	0.30	15
o-Xylene	0.034	1.4	0.15	6.3
1,4-Dichlorobenzene	0.034	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206681-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 10:43 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206681-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070506asim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 10:43 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	89	70-130

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Client Sample ID: CCV

Lab ID#: 1206681-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 07:36 AM**	

Compound	**%Recovery**
Acetone	80
Methylene Chloride	83

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	80	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1206681-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070502sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 07:36 AM**	

Compound	%Recovery
Freon 12	83
Vinyl Chloride	95
Freon 11	80
1,1-Dichloroethene	77
Freon 113	87
1,1-Dichloroethane	77
cis-1,2-Dichloroethene	83
Chloroform	78
1,1,1-Trichloroethane	78
Carbon Tetrachloride	72
Benzene	73
1,2-Dichloroethane	76
Trichloroethene	78
trans-1,3-Dichloropropene	83
Toluene	84
1,1,2-Trichloroethane	86
Tetrachloroethene	85
Chlorobenzene	83
Ethyl Benzene	84
m,p-Xylene	81
o-Xylene	81
1,4-Dichlorobenzene	75
1,2-Dichlorobenzene	84
1,1,2,2-Tetrachloroethane	90
Methyl tert-butyl ether	78
trans-1,2-Dichloroethene	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCS

Lab ID#: 1206681-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 08:22 AM**	

Compound	**%Recovery**
Acetone	81
Methylene Chloride	84

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 1206681-06AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 09:05 AM**	

Compound	**%Recovery**
Acetone	80
Methylene Chloride	82

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	79	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: LCS

Lab ID#: 1206681-06B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070503sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 08:22 AM**	

Compound	%Recovery
Freon 12	85
Vinyl Chloride	73
Freon 11	81
1,1-Dichloroethene	83
Freon 113	89
1,1-Dichloroethane	78
cis-1,2-Dichloroethene	84
Chloroform	81
1,1,1-Trichloroethane	80
Carbon Tetrachloride	107
Benzene	74
1,2-Dichloroethane	77
Trichloroethene	78
trans-1,3-Dichloropropene	86
Toluene	84
1,1,2-Trichloroethane	86
Tetrachloroethene	84
Chlorobenzene	84
Ethyl Benzene	84
m,p-Xylene	83
o-Xylene	83
1,4-Dichlorobenzene	76
1,2-Dichlorobenzene	86
1,1,2,2-Tetrachloroethane	92
Methyl tert-butyl ether	81
trans-1,2-Dichloroethene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCSD

Lab ID#: 1206681-06BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070504sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 09:05 AM**	

Compound	**%Recovery**
Freon 12	86
Vinyl Chloride	74
Freon 11	83
1,1-Dichloroethene	84
Freon 113	91
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	86
Chloroform	83
1,1,1-Trichloroethane	82
Carbon Tetrachloride	110
Benzene	75
1,2-Dichloroethane	79
Trichloroethene	80
trans-1,3-Dichloropropene	86
Toluene	85
1,1,2-Trichloroethane	88
Tetrachloroethene	86
Chlorobenzene	85
Ethyl Benzene	86
m,p-Xylene	84
o-Xylene	85
1,4-Dichlorobenzene	77
1,2-Dichlorobenzene	88
1,1,2,2-Tetrachloroethane	93
Methyl tert-butyl ether	82
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

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7/13/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500
Workorder #: 1206680

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 6/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1206680

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/13/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-AA8-062712	Modified TO-15	7.0 "Hg	5 psi
01B	IAQ-AA8-062712	Modified TO-15	7.0 "Hg	5 psi
02A	IAQ-WCCS2-062712	Modified TO-15	5.2 "Hg	5 psi
02B	IAQ-WCCS2-062712	Modified TO-15	5.2 "Hg	5 psi
03A	IAQ-WCCS3-062712	Modified TO-15	6.4 "Hg	5 psi
03B	IAQ-WCCS3-062712	Modified TO-15	6.4 "Hg	5 psi
04A	IAQ-WCCS4-062712	Modified TO-15	6.2 "Hg	5 psi
04B	IAQ-WCCS4-062712	Modified TO-15	6.2 "Hg	5 psi
05A	IAQ-WCCS6-062712	Modified TO-15	7.6 "Hg	5 psi
05B	IAQ-WCCS6-062712	Modified TO-15	7.6 "Hg	5 psi
06A	IAQ-WCCS7-062712	Modified TO-15	7.2 "Hg	5 psi
06B	IAQ-WCCS7-062712	Modified TO-15	7.2 "Hg	5 psi
07A	IAQ-B1-062712	Modified TO-15	6.2 "Hg	5 psi
07B	IAQ-B1-062712	Modified TO-15	6.2 "Hg	5 psi
08A	IAQ-B1-062712-K	Modified TO-15	6.8 "Hg	5 psi
08B	IAQ-B1-062712-K	Modified TO-15	6.8 "Hg	5 psi
09A	IAQ-B2-062712	Modified TO-15	5.8 "Hg	5 psi
09B	IAQ-B2-062712	Modified TO-15	5.8 "Hg	5 psi
10A	IAQ-B3-062712	Modified TO-15	7.0 "Hg	5 psi
10B	IAQ-B3-062712	Modified TO-15	7.0 "Hg	5 psi
11A	Lab Blank	Modified TO-15	NA	NA
11B	Lab Blank	Modified TO-15	NA	NA
12A	CCV	Modified TO-15	NA	NA

Continued on next page

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WORK ORDER #: 1206680

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	
FAX:	949-725-3790	**PROJECT #**	10500 Omega IAQ
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/13/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
12B	CCV	Modified TO-15	NA	NA
13A	LCS	Modified TO-15	NA	NA
13AA	LCSD	Modified TO-15	NA	NA
13B	LCS	Modified TO-15	NA	NA
13BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Mayo

Technical Director

DATE: 07/13/12

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
CDM Smith Inc.
Workorder# 1206680

Ten 6 Liter Summa Canister (SIM Certified) samples were received on June 29, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

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

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for samples IAQ-WCCS6-062712 and IAQ-WCCS7-062712 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the samples.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from

the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-AA8-062712

Lab ID#: 1206680-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.8	2.1	12

Client Sample ID: IAQ-AA8-062712

Lab ID#: 1206680-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.40	0.17	2.0
Freon 11	0.035	0.20	0.20	1.1
Freon 113	0.035	0.070	0.27	0.54
Chloroform	0.035	0.035	0.17	0.17
Carbon Tetrachloride	0.035	0.058	0.22	0.37
Benzene	0.088	0.25	0.28	0.81
Toluene	0.035	0.70	0.13	2.6
Tetrachloroethene	0.035	0.043	0.24	0.29
Ethyl Benzene	0.035	0.10	0.15	0.44
m,p-Xylene	0.070	0.31	0.30	1.3
o-Xylene	0.035	0.11	0.15	0.49

Client Sample ID: IAQ-WCCS2-062712

Lab ID#: 1206680-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.81	5.3	1.9	12

Client Sample ID: IAQ-WCCS2-062712

Lab ID#: 1206680-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.40	0.16	2.0
Freon 11	0.032	0.19	0.18	1.1
Freon 113	0.032	0.072	0.25	0.56
Chloroform	0.032	0.036	0.16	0.18

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-WCCS2-062712

Lab ID#: 1206680-02B

Carbon Tetrachloride	0.032	0.059	0.20	0.37
Benzene	0.081	0.25	0.26	0.79
Toluene	0.032	0.70	0.12	2.6
Tetrachloroethene	0.032	0.057	0.22	0.38
Ethyl Benzene	0.032	0.098	0.14	0.42
m,p-Xylene	0.065	0.30	0.28	1.3
o-Xylene	0.032	0.11	0.14	0.49

Client Sample ID: IAQ-WCCS3-062712

Lab ID#: 1206680-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.85	5.3	2.0	13

Client Sample ID: IAQ-WCCS3-062712

Lab ID#: 1206680-03B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.073	0.26	0.56
Chloroform	0.034	0.035	0.17	0.17
Carbon Tetrachloride	0.034	0.059	0.21	0.37
Benzene	0.085	0.25	0.27	0.81
Toluene	0.034	0.69	0.13	2.6
Tetrachloroethene	0.034	0.061	0.23	0.41
Ethyl Benzene	0.034	0.096	0.15	0.42
m,p-Xylene	0.068	0.28	0.30	1.2
o-Xylene	0.034	0.10	0.15	0.46

Client Sample ID: IAQ-WCCS4-062712

Lab ID#: 1206680-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-WCCS4-062712

Lab ID#: 1206680-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	4.8	2.0	11

Client Sample ID: IAQ-WCCS4-062712

Lab ID#: 1206680-04B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.072	0.26	0.55
Chloroform	0.034	0.036	0.16	0.17
Carbon Tetrachloride	0.034	0.059	0.21	0.37
Benzene	0.084	0.24	0.27	0.78
Toluene	0.034	0.69	0.13	2.6
Tetrachloroethene	0.034	0.057	0.23	0.38
Ethyl Benzene	0.034	0.092	0.15	0.40
m,p-Xylene	0.068	0.26	0.29	1.1
o-Xylene	0.034	0.094	0.15	0.41

Client Sample ID: IAQ-WCCS6-062712

Lab ID#: 1206680-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.90	6.6	2.1	16

Client Sample ID: IAQ-WCCS6-062712

Lab ID#: 1206680-05B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.036	0.40	0.18	2.0
Freon 11	0.036	0.19	0.20	1.1
Freon 113	0.036	0.072	0.27	0.55
Chloroform	0.036	0.039	0.17	0.19

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-WCCS6-062712

Lab ID#: 1206680-05B

Carbon Tetrachloride	0.036	0.060	0.22	0.38
Benzene	0.090	0.26	0.28	0.84
Toluene	0.036	0.80	0.13	3.0
Tetrachloroethene	0.036	0.043	0.24	0.29
Ethyl Benzene	0.036	0.11	0.16	0.46
m,p-Xylene	0.072	0.34	0.31	1.5
o-Xylene	0.036	0.12	0.16	0.53

Client Sample ID: IAQ-WCCS7-062712

Lab ID#: 1206680-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	5.2	2.1	12

Client Sample ID: IAQ-WCCS7-062712

Lab ID#: 1206680-06B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.40	0.17	2.0
Freon 11	0.035	0.19	0.20	1.1
Freon 113	0.035	0.071	0.27	0.54
Carbon Tetrachloride	0.035	0.057	0.22	0.36
Benzene	0.088	0.25	0.28	0.81
Toluene	0.035	1.4	0.13	5.4
Tetrachloroethene	0.035	0.043	0.24	0.30
Ethyl Benzene	0.035	0.22	0.15	0.95
m,p-Xylene	0.070	0.72	0.30	3.1
o-Xylene	0.035	0.23	0.15	1.0

Client Sample ID: IAQ-B1-062712

Lab ID#: 1206680-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	6.7	2.0	16

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-B1-062712

Lab ID#: 1206680-07B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.41	0.17	2.0
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.51	0.26	3.9
Chloroform	0.034	0.041	0.16	0.20
Carbon Tetrachloride	0.034	0.059	0.21	0.37
Benzene	0.084	0.26	0.27	0.85
Toluene	0.034	1.0	0.13	4.0
Tetrachloroethene	0.034	0.038	0.23	0.26
Ethyl Benzene	0.034	0.15	0.15	0.64
m,p-Xylene	0.068	0.38	0.29	1.7
o-Xylene	0.034	0.14	0.15	0.62

Client Sample ID: IAQ-B1-062712-K

Lab ID#: 1206680-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	7.8	2.0	18

Client Sample ID: IAQ-B1-062712-K

Lab ID#: 1206680-08B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.40	0.17	2.0
Freon 11	0.035	0.19	0.19	1.1
Freon 113	0.035	0.49	0.26	3.8
Chloroform	0.035	0.041	0.17	0.20
Carbon Tetrachloride	0.035	0.056	0.22	0.35
Benzene	0.086	0.27	0.28	0.85
Toluene	0.035	1.0	0.13	3.9
Tetrachloroethene	0.035	0.040	0.23	0.27
Ethyl Benzene	0.035	0.14	0.15	0.62
m,p-Xylene	0.069	0.35	0.30	1.5
o-Xylene	0.035	0.13	0.15	0.56

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-B1-062712-K

Lab ID#: 1206680-08B

Client Sample ID: IAQ-B2-062712

Lab ID#: 1206680-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.83	7.6	2.0	18

Client Sample ID: IAQ-B2-062712

Lab ID#: 1206680-09B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.40	0.16	2.0
Freon 11	0.033	0.19	0.19	1.1
Freon 113	0.033	1.3	0.25	9.8
Chloroform	0.033	0.043	0.16	0.21
Carbon Tetrachloride	0.033	0.060	0.21	0.38
Benzene	0.083	0.31	0.26	0.98
Toluene	0.033	1.2	0.12	4.6
Tetrachloroethene	0.033	0.057	0.22	0.38
Ethyl Benzene	0.033	0.28	0.14	1.2
m,p-Xylene	0.066	0.79	0.29	3.4
o-Xylene	0.033	0.27	0.14	1.2

Client Sample ID: IAQ-B3-062712

Lab ID#: 1206680-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	5.9	2.1	14

Client Sample ID: IAQ-B3-062712

Lab ID#: 1206680-10B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.41	0.17	2.0

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-B3-062712

Lab ID#: 1206680-10B

Freon 11	0.035	0.19	0.20	1.1
Freon 113	0.035	0.34	0.27	2.6
Carbon Tetrachloride	0.035	0.054	0.22	0.34
Benzene	0.088	0.28	0.28	0.91
Toluene	0.035	0.91	0.13	3.4
Tetrachloroethene	0.035	0.036	0.24	0.24
Ethyl Benzene	0.035	0.13	0.15	0.57
m,p-Xylene	0.070	0.39	0.30	1.7
o-Xylene	0.035	0.14	0.15	0.62

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Client Sample ID: IAQ-AA8-062712

Lab ID#: 1206680-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070211**	**Date of Collection:**	**6/27/12 7:50:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**7/2/12 04:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	4.8	2.1	12
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-AA8-062712

Lab ID#: 1206680-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070211sim**	**Date of Collection:**	**6/27/12 7:50:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**7/2/12 04:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.40	0.17	2.0
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.20	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.070	0.27	0.54
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	0.035	0.17	0.17
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.058	0.22	0.37
Benzene	0.088	0.25	0.28	0.81
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.70	0.13	2.6
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.043	0.24	0.29
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.10	0.15	0.44
m,p-Xylene	0.070	0.31	0.30	1.3
o-Xylene	0.035	0.11	0.15	0.49
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-WCCS2-062712

Lab ID#: 1206680-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070212**	**Date of Collection:**	**6/27/12 7:38:00 AM**
Dil. Factor:	**1.62**	**Date of Analysis:**	**7/2/12 05:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.81	5.3	1.9	12
Methylene Chloride	0.32	Not Detected	1.1	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IAQ-WCCS2-062712

Lab ID#: 1206680-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070212sim**	**Date of Collection:**	**6/27/12 7:38:00 AM**
Dil. Factor:	**1.62**	**Date of Analysis:**	**7/2/12 05:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.40	0.16	2.0
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
Freon 11	0.032	0.19	0.18	1.1
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
Freon 113	0.032	0.072	0.25	0.56
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
Chloroform	0.032	0.036	0.16	0.18
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.059	0.20	0.37
Benzene	0.081	0.25	0.26	0.79
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.032	Not Detected	0.15	Not Detected
Toluene	0.032	0.70	0.12	2.6
1,1,2-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Tetrachloroethene	0.032	0.057	0.22	0.38
Chlorobenzene	0.032	Not Detected	0.15	Not Detected
Ethyl Benzene	0.032	0.098	0.14	0.42
m,p-Xylene	0.065	0.30	0.28	1.3
o-Xylene	0.032	0.11	0.14	0.49
1,4-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.032	Not Detected	0.19	Not Detected
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS3-062712

Lab ID#: 1206680-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070213**	**Date of Collection:**	**6/27/12 7:40:00 AM**
Dil. Factor:	**1.70**	**Date of Analysis:**	**7/2/12 05:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.85	5.3	2.0	13
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-WCCS3-062712

Lab ID#: 1206680-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070213sim**	**Date of Collection:**	**6/27/12 7:40:00 AM**
Dil. Factor:	**1.70**	**Date of Analysis:**	**7/2/12 05:59 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.073	0.26	0.56
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.035	0.17	0.17
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.059	0.21	0.37
Benzene	0.085	0.25	0.27	0.81
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.69	0.13	2.6
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.061	0.23	0.41
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.096	0.15	0.42
m,p-Xylene	0.068	0.28	0.30	1.2
o-Xylene	0.034	0.10	0.15	0.46
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-WCCS4-062712

Lab ID#: 1206680-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070214**	**Date of Collection:**	**6/27/12 7:42:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/2/12 06:36 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	4.8	2.0	11
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS4-062712

Lab ID#: 1206680-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070214sim**	**Date of Collection:**	**6/27/12 7:42:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/2/12 06:36 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.44	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.072	0.26	0.55
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.036	0.16	0.17
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.059	0.21	0.37
Benzene	0.084	0.24	0.27	0.78
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.69	0.13	2.6
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.057	0.23	0.38
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.092	0.15	0.40
m,p-Xylene	0.068	0.26	0.29	1.1
o-Xylene	0.034	0.094	0.15	0.41
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IAQ-WCCS6-062712

Lab ID#: 1206680-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070215**	**Date of Collection:**	**6/27/12 7:44:00 AM**
Dil. Factor:	**1.79**	**Date of Analysis:**	**7/2/12 07:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.90	6.6	2.1	16
Methylene Chloride	0.36	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-WCCS6-062712

Lab ID#: 1206680-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070215sim**	**Date of Collection:**	**6/27/12 7:44:00 AM**
Dil. Factor:	**1.79**	**Date of Analysis:**	**7/2/12 07:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.036	0.40	0.18	2.0
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected
Freon 11	0.036	0.19	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.071	Not Detected
Freon 113	0.036	0.072	0.27	0.55
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
Chloroform	0.036	0.039	0.17	0.19
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Carbon Tetrachloride	0.036	0.060	0.22	0.38
Benzene	0.090	0.26	0.28	0.84
1,2-Dichloroethane	0.036	Not Detected	0.14	Not Detected
Trichloroethene	0.036	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.036	Not Detected	0.16	Not Detected
Toluene	0.036	0.80	0.13	3.0
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	0.043	0.24	0.29
Chlorobenzene	0.036	Not Detected	0.16	Not Detected
Ethyl Benzene	0.036	0.11	0.16	0.46
m,p-Xylene	0.072	0.34	0.31	1.5
o-Xylene	0.036	0.12	0.16	0.53
1,4-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
1,2-Dichlorobenzene	0.036	Not Detected	0.22	Not Detected
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: IAQ-WCCS7-062712

Lab ID#: 1206680-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070216**	**Date of Collection:**	**6/27/12 7:46:00 AM**
Dil. Factor:	**1.76**	**Date of Analysis:**	**7/2/12 08:03 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	5.2	2.1	12
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IAQ-WCCS7-062712

Lab ID#: 1206680-06B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070216sim**	**Date of Collection:**	**6/27/12 7:46:00 AM**
Dil. Factor:	**1.76**	**Date of Analysis:**	**7/2/12 08:03 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.40	0.17	2.0
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.19	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.070	Not Detected
Freon 113	0.035	0.071	0.27	0.54
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.057	0.22	0.36
Benzene	0.088	0.25	0.28	0.81
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	1.4	0.13	5.4
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.043	0.24	0.30
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.22	0.15	0.95
m,p-Xylene	0.070	0.72	0.30	3.1
o-Xylene	0.035	0.23	0.15	1.0
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.70	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IAQ-B1-062712

Lab ID#: 1206680-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070217**	**Date of Collection:**	**6/27/12 8:00:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/2/12 08:43 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	6.7	2.0	16
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-B1-062712

Lab ID#: 1206680-07B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070217sim**	**Date of Collection:**	**6/27/12 8:00:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/2/12 08:43 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.41	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.51	0.26	3.9
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.041	0.16	0.20
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.059	0.21	0.37
Benzene	0.084	0.26	0.27	0.85
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	1.0	0.13	4.0
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.038	0.23	0.26
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.15	0.15	0.64
m,p-Xylene	0.068	0.38	0.29	1.7
o-Xylene	0.034	0.14	0.15	0.62
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IAQ-B1-062712-K

Lab ID#: 1206680-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070218**	**Date of Collection:**	**6/27/12 8:05:00 AM**
Dil. Factor:	**1.73**	**Date of Analysis:**	**7/2/12 09:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	7.8	2.0	18
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: IAQ-B1-062712-K

Lab ID#: 1206680-08B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070218sim**	**Date of Collection:**	**6/27/12 8:05:00 AM**
Dil. Factor:	**1.73**	**Date of Analysis:**	**7/2/12 09:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.40	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.035	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.035	0.49	0.26	3.8
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	0.041	0.17	0.20
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.056	0.22	0.35
Benzene	0.086	0.27	0.28	0.85
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	1.0	0.13	3.9
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.040	0.23	0.27
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.14	0.15	0.62
m,p-Xylene	0.069	0.35	0.30	1.5
o-Xylene	0.035	0.13	0.15	0.56
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: IAQ-B2-062712

Lab ID#: 1206680-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070219**	**Date of Collection:**	**6/27/12 7:58:00 AM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**7/2/12 09:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.83	7.6	2.0	18
Methylene Chloride	0.33	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: IAQ-B2-062712

Lab ID#: 1206680-09B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070219sim**	**Date of Collection:**	**6/27/12 7:58:00 AM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**7/2/12 09:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.40	0.16	2.0
Vinyl Chloride	0.017	Not Detected	0.042	Not Detected
Freon 11	0.033	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.066	Not Detected
Freon 113	0.033	1.3	0.25	9.8
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Chloroform	0.033	0.043	0.16	0.21
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.060	0.21	0.38
Benzene	0.083	0.31	0.26	0.98
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	1.2	0.12	4.6
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.057	0.22	0.38
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.28	0.14	1.2
m,p-Xylene	0.066	0.79	0.29	3.4
o-Xylene	0.033	0.27	0.14	1.2
1,4-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-B3-062712

Lab ID#: 1206680-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070220**	**Date of Collection:**	**6/27/12 7:55:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**7/2/12 10:42 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.88	5.9	2.1	14
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-B3-062712

Lab ID#: 1206680-10B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070220sim**	**Date of Collection:**	**6/27/12 7:55:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**7/2/12 10:42 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.41	0.17	2.0
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.19	0.20	1.1
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.34	0.27	2.6
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.054	0.22	0.34
Benzene	0.088	0.28	0.28	0.91
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.19	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	0.91	0.13	3.4
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.036	0.24	0.24
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.13	0.15	0.57
m,p-Xylene	0.070	0.39	0.30	1.7
o-Xylene	0.035	0.14	0.15	0.62
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206680-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070208**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 02:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206680-11B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070208asim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 02:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: CCV

Lab ID#: 1206680-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 08:51 AM**	

Compound	**%Recovery**
Acetone	80
Methylene Chloride	84

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: CCV

Lab ID#: 1206680-12B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070202sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 08:51 AM**	

Compound	%Recovery
Freon 12	85
Vinyl Chloride	73
Freon 11	80
1,1-Dichloroethene	77
Freon 113	87
1,1-Dichloroethane	78
cis-1,2-Dichloroethene	83
Chloroform	79
1,1,1-Trichloroethane	78
Carbon Tetrachloride	76
Benzene	74
1,2-Dichloroethane	77
Trichloroethene	78
trans-1,3-Dichloropropene	84
Toluene	85
1,1,2-Trichloroethane	86
Tetrachloroethene	86
Chlorobenzene	82
Ethyl Benzene	85
m,p-Xylene	82
o-Xylene	83
1,4-Dichlorobenzene	76
1,2-Dichlorobenzene	85
1,1,2,2-Tetrachloroethane	91
Methyl tert-butyl ether	79
trans-1,2-Dichloroethene	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCS

Lab ID#: 1206680-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 09:37 AM**	

Compound	**%Recovery**
Acetone	80
Methylene Chloride	84

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: LCSD

Lab ID#: 1206680-13AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 10:21 AM**	

Compound	**%Recovery**
Acetone	79
Methylene Chloride	82

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: LCS

Lab ID#: 1206680-13B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070203sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 09:37 AM**	

Compound	**%Recovery**
Freon 12	85
Vinyl Chloride	73
Freon 11	82
1,1-Dichloroethene	83
Freon 113	89
1,1-Dichloroethane	79
cis-1,2-Dichloroethene	85
Chloroform	82
1,1,1-Trichloroethane	81
Carbon Tetrachloride	108
Benzene	75
1,2-Dichloroethane	79
Trichloroethene	79
trans-1,3-Dichloropropene	87
Toluene	84
1,1,2-Trichloroethane	89
Tetrachloroethene	86
Chlorobenzene	84
Ethyl Benzene	83
m,p-Xylene	79
o-Xylene	79
1,4-Dichlorobenzene	71
1,2-Dichlorobenzene	81
1,1,2,2-Tetrachloroethane	93
Methyl tert-butyl ether	82
trans-1,2-Dichloroethene	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	90	70-130

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Client Sample ID: LCSD

Lab ID#: 1206680-13BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070204sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 10:21 AM**	

Compound	**%Recovery**
Freon 12	85
Vinyl Chloride	73
Freon 11	82
1,1-Dichloroethene	84
Freon 113	90
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	85
Chloroform	82
1,1,1-Trichloroethane	81
Carbon Tetrachloride	108
Benzene	75
1,2-Dichloroethane	79
Trichloroethene	79
trans-1,3-Dichloropropene	87
Toluene	84
1,1,2-Trichloroethane	89
Tetrachloroethene	86
Chlorobenzene	84
Ethyl Benzene	83
m,p-Xylene	79
o-Xylene	79
1,4-Dichlorobenzene	72
1,2-Dichlorobenzene	82
1,1,2,2-Tetrachloroethane	94
Methyl tert-butyl ether	82
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	92	70-130

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7/12/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500-90421
Workorder #: 1206673

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 6/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1206673

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	
FAX:	949-725-3790	**PROJECT #**	10500-90421 Omega IAQ
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-FRR1-062712	Modified TO-15	6.2 "Hg	5 psi
01B	IAQ-FRR1-062712	Modified TO-15	6.2 "Hg	5 psi
02A	IAQ-FRR1-062712-K	Modified TO-15	6.6 "Hg	5 psi
02B	IAQ-FRR1-062712-K	Modified TO-15	6.6 "Hg	5 psi
03A	IAQ-FRR2-062712	Modified TO-15	6.6 "Hg	5 psi
03B	IAQ-FRR2-062712	Modified TO-15	6.6 "Hg	5 psi
04A	IAQ-FRR3-062712	Modified TO-15	6.8 "Hg	5 psi
04B	IAQ-FRR3-062712	Modified TO-15	6.8 "Hg	5 psi
05A	IAQ-ROP1-062712	Modified TO-15	5.6 "Hg	5 psi
05B	IAQ-ROP1-062712	Modified TO-15	5.6 "Hg	5 psi
06A	IAQ-ROP2-062712	Modified TO-15	5.8 "Hg	5 psi
06B	IAQ-ROP2-062712	Modified TO-15	5.8 "Hg	5 psi
07A	IAQ-ROP3-062712	Modified TO-15	5.8 "Hg	5 psi
07B	IAQ-ROP3-062712	Modified TO-15	5.8 "Hg	5 psi
08A	IAQ-ROP4-062712	Modified TO-15	6.4 "Hg	5 psi
08B	IAQ-ROP4-062712	Modified TO-15	6.4 "Hg	5 psi
09A	IAQ-ROP5-062712	Modified TO-15	6.2 "Hg	5 psi
09B	IAQ-ROP5-062712	Modified TO-15	6.2 "Hg	5 psi
10A	IAQ-AA1-062712	Modified TO-15	6.2 "Hg	5 psi
10B	IAQ-AA1-062712	Modified TO-15	6.2 "Hg	5 psi
11A	Lab Blank	Modified TO-15	NA	NA
11B	Lab Blank	Modified TO-15	NA	NA
11C	Lab Blank	Modified TO-15	NA	NA

Continued on next page

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WORK ORDER #: 1206673

Work Order Summary

CLIENT:	Ms. Sharon Wallin CDM Smith Inc. 111 Academy Street Suite 150 Irvine, CA 92617	**BILL TO:**	Mr. Tom Dorsey Omega Chemical Site Environmental Remediation Trust 450 Montbrook Lane Knoxville, TN 37919-2705
PHONE:	949-752-5452	**P.O. #**	
FAX:	949-725-3790	**PROJECT #**	10500-90421 Omega IAQ
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
11D	Lab Blank	Modified TO-15	NA	NA
12A	CCV	Modified TO-15	NA	NA
12B	CCV	Modified TO-15	NA	NA
12C	CCV	Modified TO-15	NA	NA
12D	CCV	Modified TO-15	NA	NA
13A	LCS	Modified TO-15	NA	NA
13AA	LCSD	Modified TO-15	NA	NA
13B	LCS	Modified TO-15	NA	NA
13BB	LCSD	Modified TO-15	NA	NA
13C	LCS	Modified TO-15	NA	NA
13CC	LCSD	Modified TO-15	NA	NA
13D	LCS	Modified TO-15	NA	NA
13DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes

Technical Director

DATE: 07/12/12

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
CDM Smith Inc.
Workorder# 1206673

Ten 6 Liter Summa Canister (SIM Certified) samples were received on June 29, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

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

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-FRR1-062712

Lab ID#: 1206673-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	9.9	2.0	24

Client Sample ID: IAQ-FRR1-062712

Lab ID#: 1206673-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.41	0.17	2.0
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.067	0.26	0.51
Chloroform	0.034	0.054	0.16	0.26
Carbon Tetrachloride	0.034	0.075	0.21	0.47
Benzene	0.084	0.31	0.27	1.0
1,2-Dichloroethane	0.034	0.058	0.14	0.24
Toluene	0.034	3.0	0.13	11
Tetrachloroethene	0.034	0.075	0.23	0.51
Ethyl Benzene	0.034	0.39	0.15	1.7
m,p-Xylene	0.068	1.4	0.29	6.0
o-Xylene	0.034	0.43	0.15	1.8
1,4-Dichlorobenzene	0.034	0.52	0.20	3.1

Client Sample ID: IAQ-FRR1-062712-K

Lab ID#: 1206673-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	9.9	2.0	24

Client Sample ID: IAQ-FRR1-062712-K

Lab ID#: 1206673-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Freon 11	0.034	0.19	0.19	1.1

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-FRR1-062712-K

Lab ID#: 1206673-02B

Freon 113	0.034	0.068	0.26	0.52
Chloroform	0.034	0.052	0.17	0.25
Carbon Tetrachloride	0.034	0.060	0.22	0.38
Benzene	0.086	0.31	0.27	0.99
1,2-Dichloroethane	0.034	0.050	0.14	0.20
Toluene	0.034	1.2	0.13	4.6
Tetrachloroethene	0.034	0.072	0.23	0.49
Ethyl Benzene	0.034	0.15	0.15	0.65
m,p-Xylene	0.069	0.49	0.30	2.1
o-Xylene	0.034	0.17	0.15	0.76
1,4-Dichlorobenzene	0.034	0.57	0.21	3.4

Client Sample ID: IAQ-FRR2-062712

Lab ID#: 1206673-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	14	2.0	34

Client Sample ID: IAQ-FRR2-062712

Lab ID#: 1206673-03B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Freon 11	0.034	0.20	0.19	1.1
Freon 113	0.034	0.068	0.26	0.52
Chloroform	0.034	0.041	0.17	0.20
1,1,1-Trichloroethane	0.034	0.077	0.19	0.42
Carbon Tetrachloride	0.034	0.050	0.22	0.32
Benzene	0.086	0.32	0.27	1.0
Toluene	0.034	5.4	0.13	20
Tetrachloroethene	0.034	0.050	0.23	0.34
Ethyl Benzene	0.034	0.16	0.15	0.72
m,p-Xylene	0.069	0.52	0.30	2.3
o-Xylene	0.034	0.20	0.15	0.88

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-FRR2-062712

Lab ID#: 1206673-03B

1,4-Dichlorobenzene	0.034	0.085	0.21	0.51

Client Sample ID: IAQ-FRR3-062712

Lab ID#: 1206673-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	22	2.0	51

Client Sample ID: IAQ-FRR3-062712

Lab ID#: 1206673-04B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.42	0.17	2.0
Freon 11	0.035	0.19	0.19	1.1
Freon 113	0.035	0.068	0.26	0.52
Chloroform	0.035	0.039	0.17	0.19
1,1,1-Trichloroethane	0.035	0.12	0.19	0.68
Carbon Tetrachloride	0.035	0.056	0.22	0.35
Benzene	0.086	0.31	0.28	1.0
Toluene	0.035	7.5	0.13	28
Tetrachloroethene	0.035	0.060	0.23	0.41
Ethyl Benzene	0.035	0.14	0.15	0.61
m,p-Xylene	0.069	0.43	0.30	1.9
o-Xylene	0.035	0.15	0.15	0.66

Client Sample ID: IAQ-ROP1-062712

Lab ID#: 1206673-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.82	8.6	2.0	20
Methylene Chloride	0.33	0.64	1.1	2.2

Client Sample ID: IAQ-ROP1-062712

Lab ID#: 1206673-05B

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-ROP1-062712

Lab ID#: 1206673-05B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.39	0.16	1.9
Freon 11	0.033	0.18	0.18	1.0
Freon 113	0.033	0.062	0.25	0.47
Chloroform	0.033	0.037	0.16	0.18
Carbon Tetrachloride	0.033	0.055	0.21	0.34
Benzene	0.082	0.25	0.26	0.81
Toluene	0.033	0.82	0.12	3.1
Tetrachloroethene	0.033	0.038	0.22	0.26
Ethyl Benzene	0.033	0.11	0.14	0.48
m,p-Xylene	0.066	0.29	0.29	1.3
o-Xylene	0.033	0.10	0.14	0.44

Client Sample ID: IAQ-ROP2-062712

Lab ID#: 1206673-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.83	5.9	2.0	14

Client Sample ID: IAQ-ROP2-062712

Lab ID#: 1206673-06B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.42	0.16	2.1
Freon 11	0.033	0.20	0.19	1.1
Freon 113	0.033	0.067	0.25	0.52
Chloroform	0.033	0.036	0.16	0.18
Carbon Tetrachloride	0.033	0.062	0.21	0.39
Benzene	0.083	0.26	0.26	0.82
Toluene	0.033	0.81	0.12	3.0
Tetrachloroethene	0.033	0.039	0.22	0.26
Ethyl Benzene	0.033	0.11	0.14	0.46
m,p-Xylene	0.066	0.34	0.29	1.5
o-Xylene	0.033	0.13	0.14	0.55

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-ROP2-062712

Lab ID#: 1206673-06B

Client Sample ID: IAQ-ROP3-062712

Lab ID#: 1206673-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.83	11	2.0	27

Client Sample ID: IAQ-ROP3-062712

Lab ID#: 1206673-07B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.40	0.16	2.0
Freon 11	0.033	0.18	0.19	1.0
Freon 113	0.033	0.064	0.25	0.49
Chloroform	0.033	0.037	0.16	0.18
Carbon Tetrachloride	0.033	0.063	0.21	0.40
Benzene	0.083	0.26	0.26	0.84
Toluene	0.033	0.85	0.12	3.2
Tetrachloroethene	0.033	0.038	0.22	0.26
Ethyl Benzene	0.033	0.13	0.14	0.55
m,p-Xylene	0.066	0.38	0.29	1.6
o-Xylene	0.033	0.14	0.14	0.61

Client Sample ID: IAQ-ROP4-062712

Lab ID#: 1206673-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.85	6.7	2.0	16

Client Sample ID: IAQ-ROP4-062712

Lab ID#: 1206673-08B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-ROP4-062712

Lab ID#: 1206673-08B

Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.065	0.26	0.50
Chloroform	0.034	0.041	0.17	0.20
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.085	0.25	0.27	0.81
Toluene	0.034	0.75	0.13	2.8
Tetrachloroethene	0.034	0.040	0.23	0.27
Ethyl Benzene	0.034	0.11	0.15	0.46
m,p-Xylene	0.068	0.33	0.30	1.4
o-Xylene	0.034	0.12	0.15	0.52

Client Sample ID: IAQ-ROP5-062712

Lab ID#: 1206673-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	6.6	2.0	16

Client Sample ID: IAQ-ROP5-062712

Lab ID#: 1206673-09B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.067	0.26	0.51
Chloroform	0.034	0.066	0.16	0.32
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.084	0.28	0.27	0.88
Toluene	0.034	0.86	0.13	3.2
Tetrachloroethene	0.034	0.045	0.23	0.31
Ethyl Benzene	0.034	0.13	0.15	0.56
m,p-Xylene	0.068	0.41	0.29	1.8
o-Xylene	0.034	0.14	0.15	0.61

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: IAQ-AA1-062712

Lab ID#: 1206673-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	8.4	2.0	20
Methylene Chloride	0.34	0.33 J	1.2	1.2 J

Client Sample ID: IAQ-AA1-062712

Lab ID#: 1206673-10B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0
Freon 11	0.034	0.19	0.19	1.1
Freon 113	0.034	0.065	0.26	0.50
Chloroform	0.034	0.037	0.16	0.18
Carbon Tetrachloride	0.034	0.068	0.21	0.42
Benzene	0.084	0.60	0.27	1.9
1,2-Dichloroethane	0.034	0.057	0.14	0.23
Toluene	0.034	14	0.13	52
Tetrachloroethene	0.034	0.061	0.23	0.42
Ethyl Benzene	0.034	2.3	0.15	10
m,p-Xylene	0.068	8.4	0.29	36
o-Xylene	0.034	2.5	0.15	11

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Client Sample ID: IAQ-FRR1-062712

Lab ID#: 1206673-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070317**	**Date of Collection:**	**6/27/12 6:34:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/3/12 07:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	9.9	2.0	24
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-FRR1-062712

Lab ID#: 1206673-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070317sim**	**Date of Collection:**	**6/27/12 6:34:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/3/12 07:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.41	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.067	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.054	0.16	0.26
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.075	0.21	0.47
Benzene	0.084	0.31	0.27	1.0
1,2-Dichloroethane	0.034	0.058	0.14	0.24
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	3.0	0.13	11
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.075	0.23	0.51
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.39	0.15	1.7
m,p-Xylene	0.068	1.4	0.29	6.0
o-Xylene	0.034	0.43	0.15	1.8
1,4-Dichlorobenzene	0.034	0.52	0.20	3.1
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-FRR1-062712-K

Lab ID#: 1206673-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070318**	**Date of Collection:**	**6/27/12 6:35:00 AM**
Dil. Factor:	**1.72**	**Date of Analysis:**	**7/3/12 08:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	9.9	2.0	24
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-FRR1-062712-K

Lab ID#: 1206673-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070318sim**	**Date of Collection:**	**6/27/12 6:35:00 AM**
Dil. Factor:	**1.72**	**Date of Analysis:**	**7/3/12 08:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.068	0.26	0.52
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.052	0.17	0.25
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.060	0.22	0.38
Benzene	0.086	0.31	0.27	0.99
1,2-Dichloroethane	0.034	0.050	0.14	0.20
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	1.2	0.13	4.6
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.072	0.23	0.49
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.15	0.15	0.65
m,p-Xylene	0.069	0.49	0.30	2.1
o-Xylene	0.034	0.17	0.15	0.76
1,4-Dichlorobenzene	0.034	0.57	0.21	3.4
1,2-Dichlorobenzene	0.034	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-FRR2-062712

Lab ID#: 1206673-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070319**	**Date of Collection:**	**6/27/12 6:37:00 AM**
Dil. Factor:	**1.72**	**Date of Analysis:**	**7/3/12 09:18 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	14	2.0	34
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-FRR2-062712

Lab ID#: 1206673-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070319sim**	**Date of Collection:**	**6/27/12 6:37:00 AM**
Dil. Factor:	**1.72**	**Date of Analysis:**	**7/3/12 09:18 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.45	0.17	2.2
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.068	0.26	0.52
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	0.041	0.17	0.20
1,1,1-Trichloroethane	0.034	0.077	0.19	0.42
Carbon Tetrachloride	0.034	0.050	0.22	0.32
Benzene	0.086	0.32	0.27	1.0
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	5.4	0.13	20
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.050	0.23	0.34
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.16	0.15	0.72
m,p-Xylene	0.069	0.52	0.30	2.3
o-Xylene	0.034	0.20	0.15	0.88
1,4-Dichlorobenzene	0.034	0.085	0.21	0.51
1,2-Dichlorobenzene	0.034	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: IAQ-FRR3-062712

Lab ID#: 1206673-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070320**	**Date of Collection:**	**6/27/12 6:40:00 AM**
Dil. Factor:	**1.73**	**Date of Analysis:**	**7/3/12 09:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.86	22	2.0	51
Methylene Chloride	0.35	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-FRR3-062712

Lab ID#: 1206673-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070320sim**	**Date of Collection:**	**6/27/12 6:40:00 AM**
Dil. Factor:	**1.73**	**Date of Analysis:**	**7/3/12 09:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.42	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.035	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.035	0.068	0.26	0.52
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
Chloroform	0.035	0.039	0.17	0.19
1,1,1-Trichloroethane	0.035	0.12	0.19	0.68
Carbon Tetrachloride	0.035	0.056	0.22	0.35
Benzene	0.086	0.31	0.28	1.0
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.035	Not Detected	0.16	Not Detected
Toluene	0.035	7.5	0.13	28
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.060	0.23	0.41
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.14	0.15	0.61
m,p-Xylene	0.069	0.43	0.30	1.9
o-Xylene	0.035	0.15	0.15	0.66
1,4-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,2-Dichlorobenzene	0.035	Not Detected	0.21	Not Detected
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-ROP1-062712

Lab ID#: 1206673-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070321**	**Date of Collection:**	**6/27/12 7:52:00 AM**
Dil. Factor:	**1.65**	**Date of Analysis:**	**7/3/12 10:48 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.82	8.6	2.0	20
Methylene Chloride	0.33	0.64	1.1	2.2

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: IAQ-ROP1-062712

Lab ID#: 1206673-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070321sim**	**Date of Collection:**	**6/27/12 7:52:00 AM**
Dil. Factor:	**1.65**	**Date of Analysis:**	**7/3/12 10:48 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.39	0.16	1.9
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
Freon 11	0.033	0.18	0.18	1.0
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
Freon 113	0.033	0.062	0.25	0.47
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Chloroform	0.033	0.037	0.16	0.18
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.055	0.21	0.34
Benzene	0.082	0.25	0.26	0.81
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	0.82	0.12	3.1
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.038	0.22	0.26
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.11	0.14	0.48
m,p-Xylene	0.066	0.29	0.29	1.3
o-Xylene	0.033	0.10	0.14	0.44
1,4-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: IAQ-ROP2-062712

Lab ID#: 1206673-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070322**	**Date of Collection:**	**6/27/12 7:03:00 AM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**7/3/12 11:25 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.83	5.9	2.0	14
Methylene Chloride	0.33	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-ROP2-062712

Lab ID#: 1206673-06B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070322sim**	**Date of Collection:**	**6/27/12 7:03:00 AM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**7/3/12 11:25 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.42	0.16	2.1
Vinyl Chloride	0.017	Not Detected	0.042	Not Detected
Freon 11	0.033	0.20	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.066	Not Detected
Freon 113	0.033	0.067	0.25	0.52
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Chloroform	0.033	0.036	0.16	0.18
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.062	0.21	0.39
Benzene	0.083	0.26	0.26	0.82
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	0.81	0.12	3.0
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.039	0.22	0.26
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.11	0.14	0.46
m,p-Xylene	0.066	0.34	0.29	1.5
o-Xylene	0.033	0.13	0.14	0.55
1,4-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-ROP3-062712

Lab ID#: 1206673-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070511**	**Date of Collection:**	**6/27/12 7:00:00 AM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**7/5/12 02:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.83	11	2.0	27
Methylene Chloride	0.33	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-ROP3-062712

Lab ID#: 1206673-07B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070511sim**	**Date of Collection:**	**6/27/12 7:00:00 AM**
Dil. Factor:	**1.66**	**Date of Analysis:**	**7/5/12 02:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.40	0.16	2.0
Vinyl Chloride	0.017	Not Detected	0.042	Not Detected
Freon 11	0.033	0.18	0.19	1.0
1,1-Dichloroethene	0.017	Not Detected	0.066	Not Detected
Freon 113	0.033	0.064	0.25	0.49
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Chloroform	0.033	0.037	0.16	0.18
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.063	0.21	0.40
Benzene	0.083	0.26	0.26	0.84
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	0.85	0.12	3.2
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.038	0.22	0.26
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.13	0.14	0.55
m,p-Xylene	0.066	0.38	0.29	1.6
o-Xylene	0.033	0.14	0.14	0.61
1,4-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-ROP4-062712

Lab ID#: 1206673-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070512**	**Date of Collection:**	**6/27/12 7:10:00 AM**
Dil. Factor:	**1.70**	**Date of Analysis:**	**7/5/12 03:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.85	6.7	2.0	16
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-ROP4-062712

Lab ID#: 1206673-08B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070512sim**	**Date of Collection:**	**6/27/12 7:10:00 AM**
Dil. Factor:	**1.70**	**Date of Analysis:**	**7/5/12 03:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.065	0.26	0.50
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.041	0.17	0.20
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.085	0.25	0.27	0.81
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.75	0.13	2.8
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.040	0.23	0.27
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.11	0.15	0.46
m,p-Xylene	0.068	0.33	0.30	1.4
o-Xylene	0.034	0.12	0.15	0.52
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-ROP5-062712

Lab ID#: 1206673-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070513**	**Date of Collection:**	**6/27/12 7:08:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/5/12 04:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	6.6	2.0	16
Methylene Chloride	0.34	Not Detected	1.2	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-ROP5-062712

Lab ID#: 1206673-09B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070513sim**	**Date of Collection:**	**6/27/12 7:08:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/5/12 04:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.067	0.26	0.51
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.066	0.16	0.32
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.063	0.21	0.40
Benzene	0.084	0.28	0.27	0.88
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	0.86	0.13	3.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.045	0.23	0.31
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.13	0.15	0.56
m,p-Xylene	0.068	0.41	0.29	1.8
o-Xylene	0.034	0.14	0.15	0.61
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-AA1-062712

Lab ID#: 1206673-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070514**	**Date of Collection:**	**6/27/12 7:15:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/5/12 05:01 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.84	8.4	2.0	20
Methylene Chloride	0.34	0.33 J	1.2	1.2 J

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	91	70-130

eurofins | Air Toxics

Client Sample ID: IAQ-AA1-062712

Lab ID#: 1206673-10B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070514sim**	**Date of Collection:**	**6/27/12 7:15:00 AM**
Dil. Factor:	**1.69**	**Date of Analysis:**	**7/5/12 05:01 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.40	0.17	2.0
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.19	0.19	1.1
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.065	0.26	0.50
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Chloroform	0.034	0.037	0.16	0.18
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.068	0.21	0.42
Benzene	0.084	0.60	0.27	1.9
1,2-Dichloroethane	0.034	0.057	0.14	0.23
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	14	0.13	52
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.061	0.23	0.42
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	2.3	0.15	10
m,p-Xylene	0.068	8.4	0.29	36
o-Xylene	0.034	2.5	0.15	11
1,4-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.034	Not Detected	0.20	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	90	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206673-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 10:45 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206673-11B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070306asim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 10:45 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206673-11C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 10:43 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	0.50	Not Detected	1.2	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206673-11D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070506asim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 10:43 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.020	Not Detected	0.099	Not Detected
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Freon 11	0.020	Not Detected	0.11	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
Freon 113	0.020	Not Detected	0.15	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
trans-1,3-Dichloropropene	0.020	Not Detected	0.091	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Chlorobenzene	0.020	Not Detected	0.092	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,2-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	89	70-130

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Client Sample ID: CCV

Lab ID#: 1206673-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 07:54 AM**	

Compound	**%Recovery**
Acetone	79
Methylene Chloride	83

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	80	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1206673-12B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070302sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 07:54 AM**	

Compound	**%Recovery**
Freon 12	85
Vinyl Chloride	72
Freon 11	81
1,1-Dichloroethene	78
Freon 113	89
1,1-Dichloroethane	78
cis-1,2-Dichloroethene	84
Chloroform	80
1,1,1-Trichloroethane	79
Carbon Tetrachloride	76
Benzene	74
1,2-Dichloroethane	77
Trichloroethene	79
trans-1,3-Dichloropropene	84
Toluene	84
1,1,2-Trichloroethane	86
Tetrachloroethene	86
Chlorobenzene	83
Ethyl Benzene	87
m,p-Xylene	84
o-Xylene	85
1,4-Dichlorobenzene	79
1,2-Dichlorobenzene	89
1,1,2,2-Tetrachloroethane	92
Methyl tert-butyl ether	80
trans-1,2-Dichloroethene	86

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: CCV

Lab ID#: 1206673-12C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070502**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 07:36 AM**	

Compound	**%Recovery**
Acetone	80
Methylene Chloride	83

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	80	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1206673-12D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070502sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 07:36 AM**	

Compound	**%Recovery**
Freon 12	83
Vinyl Chloride	95
Freon 11	80
1,1-Dichloroethene	77
Freon 113	87
1,1-Dichloroethane	77
cis-1,2-Dichloroethene	83
Chloroform	78
1,1,1-Trichloroethane	78
Carbon Tetrachloride	72
Benzene	73
1,2-Dichloroethane	76
Trichloroethene	78
trans-1,3-Dichloropropene	83
Toluene	84
1,1,2-Trichloroethane	86
Tetrachloroethene	85
Chlorobenzene	83
Ethyl Benzene	84
m,p-Xylene	81
o-Xylene	81
1,4-Dichlorobenzene	75
1,2-Dichlorobenzene	84
1,1,2,2-Tetrachloroethane	90
Methyl tert-butyl ether	78
trans-1,2-Dichloroethene	85

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	94	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1206673-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 08:36 AM**	

Compound	**%Recovery**
Acetone	79
Methylene Chloride	84

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	80	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 1206673-13AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 09:17 AM**	

Compound	**%Recovery**
Acetone	79
Methylene Chloride	83

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCS

Lab ID#: 1206673-13B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070303sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 08:36 AM**	

Compound	**%Recovery**
Freon 12	86
Vinyl Chloride	74
Freon 11	82
1,1-Dichloroethene	84
Freon 113	90
1,1-Dichloroethane	79
cis-1,2-Dichloroethene	86
Chloroform	82
1,1,1-Trichloroethane	82
Carbon Tetrachloride	109
Benzene	75
1,2-Dichloroethane	78
Trichloroethene	79
trans-1,3-Dichloropropene	85
Toluene	85
1,1,2-Trichloroethane	87
Tetrachloroethene	85
Chlorobenzene	85
Ethyl Benzene	86
m,p-Xylene	85
o-Xylene	86
1,4-Dichlorobenzene	79
1,2-Dichlorobenzene	90
1,1,2,2-Tetrachloroethane	93
Methyl tert-butyl ether	83
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCSD

Lab ID#: 1206673-13BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070304sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/3/12 09:17 AM**	

Compound	**%Recovery**
Freon 12	86
Vinyl Chloride	74
Freon 11	83
1,1-Dichloroethene	84
Freon 113	91
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	86
Chloroform	82
1,1,1-Trichloroethane	82
Carbon Tetrachloride	110
Benzene	75
1,2-Dichloroethane	78
Trichloroethene	79
trans-1,3-Dichloropropene	87
Toluene	85
1,1,2-Trichloroethane	89
Tetrachloroethene	84
Chlorobenzene	85
Ethyl Benzene	85
m,p-Xylene	85
o-Xylene	84
1,4-Dichlorobenzene	78
1,2-Dichlorobenzene	88
1,1,2,2-Tetrachloroethane	95
Methyl tert-butyl ether	83
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1206673-13C

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 08:22 AM**	

Compound	**%Recovery**
Acetone	81
Methylene Chloride	84

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1206673-13CC

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 09:05 AM**	

Compound	**%Recovery**
Acetone	80
Methylene Chloride	82

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	79	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: LCS

Lab ID#: 1206673-13D

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070503sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 08:22 AM**	

Compound	**%Recovery**
Freon 12	85
Vinyl Chloride	73
Freon 11	81
1,1-Dichloroethene	83
Freon 113	89
1,1-Dichloroethane	78
cis-1,2-Dichloroethene	84
Chloroform	81
1,1,1-Trichloroethane	80
Carbon Tetrachloride	107
Benzene	74
1,2-Dichloroethane	77
Trichloroethene	78
trans-1,3-Dichloropropene	86
Toluene	84
1,1,2-Trichloroethane	86
Tetrachloroethene	84
Chlorobenzene	84
Ethyl Benzene	84
m,p-Xylene	83
o-Xylene	83
1,4-Dichlorobenzene	76
1,2-Dichlorobenzene	86
1,1,2,2-Tetrachloroethane	92
Methyl tert-butyl ether	81
trans-1,2-Dichloroethene	96

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1206673-13DD

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v070504sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/5/12 09:05 AM**	

Compound	**%Recovery**
Freon 12	86
Vinyl Chloride	74
Freon 11	83
1,1-Dichloroethene	84
Freon 113	91
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	86
Chloroform	83
1,1,1-Trichloroethane	82
Carbon Tetrachloride	110
Benzene	75
1,2-Dichloroethane	79
Trichloroethene	80
trans-1,3-Dichloropropene	86
Toluene	85
1,1,2-Trichloroethane	88
Tetrachloroethene	86
Chlorobenzene	85
Ethyl Benzene	86
m,p-Xylene	84
o-Xylene	85
1,4-Dichlorobenzene	77
1,2-Dichlorobenzene	88
1,1,2,2-Tetrachloroethane	93
Methyl tert-butyl ether	82
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-1870

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Analytical Report For

Client: CDM Smith Inc.

Client Project Name: Omega IAQ / 10500

Attention: Sharon Wallin
111 Academy
Suite 150
Irvine, CA 92617-3000

Approved for release on 07/12/2012 by:
Stephen Nowak
Project Manager

ResultLink ▸

Email your PM ▸

Accredited in accordance with nelac

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Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-06-1870
		Project name:	Omega IAQ / 10500
		Received:	06/27/12 17:27
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-ROP1-062712-K2 (12-06-1870-1)						
Dichlorodifluoromethane	**0.52**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.24**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Methylene Chloride	**0.94**		0.20	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.082**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.045**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.024**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,4-Dichlorobenzene	**0.022**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**9.1**		2.0	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.40**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.086**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**1.1**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichloroethene	**0.013**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.061**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.15**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.45**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.18**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
IAQ-TP1-062712-K2 (12-06-1870-2)						
Dichlorodifluoromethane	**0.54**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.24**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.084**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.028**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.018**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**10**		2.0	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.21**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.082**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**0.59**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichloroethene	**0.012**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.054**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.097**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.24**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.11**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-06-1870
		Project name:	Omega IAQ / 10500
		Received:	06/27/12 17:27
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-ROP1-062712-K2 (12-06-1870-1)						
Dichlorodifluoromethane	**2.6**		0.099	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**1.4**		0.11	ug/m3	EPA TO-15 SIM	N/A
Methylene Chloride	**3.3**		0.69	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.63**		0.15	ug/m3	EPA TO-15 SIM	N/A
Chloroform	**0.22**		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.096**		0.040	ug/m3	EPA TO-15 SIM	N/A
1,4-Dichlorobenzene	**0.13**		0.12	ug/m3	EPA TO-15 SIM	N/A
Acetone	**21**		4.8	ug/m3	EPA TO-15 SIM	N/A
Benzene	**1.3**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.54**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**4.1**		0.075	ug/m3	EPA TO-15 SIM	N/A
Trichloroethene	**0.068**		0.054	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.42**		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**0.66**		0.087	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**2.0**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**0.80**		0.087	ug/m3	EPA TO-15 SIM	N/A
IAQ-TP1-062712-K2 (12-06-1870-2)						
Dichlorodifluoromethane	**2.7**		0.099	ug/m3	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**1.4**		0.11	ug/m3	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.64**		0.15	ug/m3	EPA TO-15 SIM	N/A
Chloroform	**0.13**		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.073**		0.040	ug/m3	EPA TO-15 SIM	N/A
Acetone	**24**		4.8	ug/m3	EPA TO-15 SIM	N/A
Benzene	**0.66**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.52**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**2.2**		0.075	ug/m3	EPA TO-15 SIM	N/A
Trichloroethene	**0.063**		0.054	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.36**		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**0.42**		0.087	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**1.0**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**0.46**		0.087	ug/m3	EPA TO-15 SIM	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	06/27/12
111 Academy		Work Order No:	12-06-1870
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ppb (v/v)
Project: Omega IAQ / 10500			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-062712-K2	**12-06-1870-1-A**	**06/27/12 14:36**	**Air**	**GC/MS DD**	**N/A**	**06/28/12 14:51**	**120628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.52	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
Vinyl Chloride	ND	0.010	1		1,1,1-Trichloroethane	ND	0.020	1	
Trichlorofluoromethane	0.24	0.020	1		1,2-Dichlorobenzene	ND	0.020	1	
1,1-Dichloroethene	ND	0.010	1		Benzene	0.40	0.020	1	
Methylene Chloride	0.94	0.20	1		Carbon Tetrachloride	0.086	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.082	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	1.1	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	0.013	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.061	0.020	1	
Chloroform	0.045	0.010	1		Ethylbenzene	0.15	0.020	1	
1,2-Dichloroethane	0.024	0.010	1		p/m-Xylene	0.45	0.040	1	
1,4-Dichlorobenzene	0.022	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
Chlorobenzene	ND	0.020	1		o-Xylene	0.18	0.020	1	
Acetone	9.1	2.0	4		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	45-153		1,2-Dichloroethane-d4	114	37-163	
Toluene-d8	111	73-121					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-TP1-062712-K2	**12-06-1870-2-A**	**06/27/12 16:10**	**Air**	**GC/MS DD**	**N/A**	**06/28/12 15:46**	**120628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.54	0.020	1		Acetone	10	2.0	4	
Vinyl Chloride	ND	0.010	1		1,4-Dichlorobenzene	ND	0.020	1	
Trichlorofluoromethane	0.24	0.020	1		1,1,1-Trichloroethane	ND	0.020	1	
1,1-Dichloroethene	ND	0.010	1		Benzene	0.21	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	0.082	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.084	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	0.59	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	0.012	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.054	0.020	1	
Chloroform	0.028	0.010	1		Ethylbenzene	0.097	0.020	1	
1,2-Dichloroethane	0.018	0.010	1		p/m-Xylene	0.24	0.040	1	
t-1,3-Dichloropropene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		o-Xylene	0.11	0.020	1	
Chlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	45-153		1,2-Dichloroethane-d4	106	37-163	
Toluene-d8	107	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	06/27/12
111 Academy		Work Order No:	12-06-1870
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ppb (v/v)
Project: Omega IAQ / 10500			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-188-10**	**N/A**	**Air**	**GC/MS DD**	**N/A**	**06/28/12 13:56**	**120628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.020	1		Acetone	ND	0.50	1	
Vinyl Chloride	ND	0.010	1		Chlorobenzene	ND	0.020	1	
Trichlorofluoromethane	ND	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
1,1-Dichloroethene	ND	0.010	1		Benzene	ND	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	ND	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	ND	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	ND	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	ND	0.020	1	
Chloroform	ND	0.010	1		Ethylbenzene	ND	0.020	1	
1,2-Dichloroethane	ND	0.010	1		p/m-Xylene	ND	0.040	1	
1,4-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,1,1-Trichloroethane	ND	0.020	1		o-Xylene	ND	0.020	1	
1,2-Dichlorobenzene	ND	0.020	1		Methyl-t-Butyl Ether (MTBE)	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	45-153		1,2-Dichloroethane-d4	104	37-163	
Toluene-d8	103	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	06/27/12
111 Academy		Work Order No:	12-06-1870
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAQ / 10500			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-062712-K2	**12-06-1870-1-A**	**06/27/12 14:36**	**Air**	**GC/MS DD**	**N/A**	**06/28/12 14:51**	**120628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.6	0.099	1		t-1,3-Dichloropropene	ND	0.091	1	
Vinyl Chloride	ND	0.026	1		1,1,1-Trichloroethane	ND	0.11	1	
Trichlorofluoromethane	1.4	0.11	1		1,2-Dichlorobenzene	ND	0.12	1	
1,1-Dichloroethene	ND	0.040	1		Benzene	1.3	0.064	1	
Methylene Chloride	3.3	0.69	1		Carbon Tetrachloride	0.54	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.63	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	4.1	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	0.068	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.42	0.14	1	
Chloroform	0.22	0.049	1		Ethylbenzene	0.66	0.087	1	
1,2-Dichloroethane	0.096	0.040	1		p/m-Xylene	2.0	0.17	1	
1,4-Dichlorobenzene	0.13	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
Chlorobenzene	ND	0.092	1		o-Xylene	0.80	0.087	1	
Acetone	21	4.8	4		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	45-153		1,2-Dichloroethane-d4	114	37-163	
Toluene-d8	111	73-121					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-TP1-062712-K2	**12-06-1870-2-A**	**06/27/12 16:10**	**Air**	**GC/MS DD**	**N/A**	**06/28/12 15:46**	**120628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.7	0.099	1		Acetone	24	4.8	4	
Vinyl Chloride	ND	0.026	1		1,4-Dichlorobenzene	ND	0.12	1	
Trichlorofluoromethane	1.4	0.11	1		1,1,1-Trichloroethane	ND	0.11	1	
1,1-Dichloroethene	ND	0.040	1		Benzene	0.66	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	0.52	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.64	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	2.2	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	0.063	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.36	0.14	1	
Chloroform	0.13	0.049	1		Ethylbenzene	0.42	0.087	1	
1,2-Dichloroethane	0.073	0.040	1		p/m-Xylene	1.0	0.17	1	
t-1,3-Dichloropropene	ND	0.091	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,2-Dichlorobenzene	ND	0.12	1		o-Xylene	0.46	0.087	1	
Chlorobenzene	ND	0.092	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	45-153		1,2-Dichloroethane-d4	106	37-163	
Toluene-d8	107	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	06/27/12
111 Academy		Work Order No:	12-06-1870
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAQ / 10500			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-188-10**	**N/A**	**Air**	**GC/MS DD**	**N/A**	**06/28/12 13:56**	**120628L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.099	1		Acetone	ND	1.2	1	
Vinyl Chloride	ND	0.026	1		Chlorobenzene	ND	0.092	1	
Trichlorofluoromethane	ND	0.11	1		t-1,3-Dichloropropene	ND	0.091	1	
1,1-Dichloroethene	ND	0.040	1		Benzene	ND	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	ND	0.063	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.15	1		1,1,2-Trichloroethane	ND	0.11	1	
t-1,2-Dichloroethene	ND	0.40	1		Toluene	ND	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	ND	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	ND	0.14	1	
Chloroform	ND	0.049	1		Ethylbenzene	ND	0.087	1	
1,2-Dichloroethane	ND	0.040	1		p/m-Xylene	ND	0.17	1	
1,4-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,1,1-Trichloroethane	ND	0.11	1		o-Xylene	ND	0.087	1	
1,2-Dichlorobenzene	ND	0.12	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	45-153		1,2-Dichloroethane-d4	104	37-163	
Toluene-d8	103	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-06-1870
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM

Project: Omega IAQ / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-188-10	**Air**	**GC/MS DD**	**N/A**	**06/28/12**	**120628L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Dichlorodifluoromethane	0.5000	0.5486	110	0.5594	112	50-150	33-167	2	0-30	
Chloromethane	0.5000	0.5181	104	0.5232	105	50-150	33-167	1	0-30	
Vinyl Chloride	0.5000	0.5125	102	0.5075	102	44-140	28-156	1	0-33	
Chloroethane	0.5000	0.5284	106	0.5445	109	50-150	33-167	3	0-30	
Trichlorofluoromethane	0.5000	0.5355	107	0.5413	108	50-150	33-167	1	0-30	
1,1-Dichloroethene	0.5000	0.5498	110	0.5386	108	50-150	33-167	2	0-30	
Methylene Chloride	0.5000	0.5420	108	0.5384	108	50-150	33-167	1	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5000	0.5447	109	0.5482	110	50-150	33-167	1	0-30	
t-1,2-Dichloroethene	0.5000	0.5225	104	0.5266	105	50-150	33-167	1	0-30	
1,1-Dichloroethane	0.5000	0.5521	110	0.5482	110	50-150	33-167	1	0-30	
c-1,2-Dichloroethene	0.5000	0.5491	110	0.5396	108	35-165	13-187	2	0-35	
Chloroform	0.5000	0.5530	111	0.5565	111	50-150	33-167	1	0-30	
1,2-Dichloroethane	0.5000	0.5457	109	0.5442	109	28-166	5-189	0	0-40	
1,2,4-Trimethylbenzene	0.5000	0.5946	119	0.5686	114	50-150	33-167	4	0-30	
1,3,5-Trimethylbenzene	0.5000	0.6057	121	0.5781	116	50-150	33-167	5	0-30	
4-Ethyltoluene	0.5000	0.6056	121	0.5752	115	50-150	33-167	5	0-30	
Chlorobenzene	0.5000	0.5599	112	0.5467	109	50-150	33-167	2	0-30	
t-1,3-Dichloropropene	0.5000	0.5676	114	0.5376	108	50-150	33-167	5	0-30	
1,1,1-Trichloroethane	0.5000	0.5587	112	0.5446	109	50-150	33-167	3	0-30	
1,1-Difluoroethane	0.5000	0.5656	113	0.5579	112	50-150	33-167	1	0-30	
Benzene	0.5000	0.5300	106	0.5159	103	27-153	6-174	3	0-34	
Carbon Tetrachloride	0.5000	0.5467	109	0.5330	107	7-187	0-217	3	0-31	
Bromodichloromethane	0.5000	0.5447	109	0.5252	105	50-150	33-167	4	0-30	
1,1,2-Trichloroethane	0.5000	0.5588	112	0.5350	107	27-171	3-195	4	0-38	
Toluene	0.5000	0.5213	104	0.5203	104	28-154	7-175	0	0-42	
Dibromochloromethane	0.5000	0.5639	113	0.5605	112	50-150	33-167	1	0-30	
Trichloroethene	0.5000	0.5328	107	0.5273	105	43-139	27-155	1	0-31	
Tetrachloroethene	0.5000	0.5615	112	0.5569	111	34-154	14-174	1	0-33	
Ethylbenzene	0.5000	0.5697	114	0.5456	109	27-153	6-174	4	0-46	
p/m-Xylene	1.000	1.160	116	1.128	113	21-165	0-189	3	0-51	
1,1,2,2-Tetrachloroethane	0.5000	0.5782	116	0.5482	110	50-150	33-167	5	0-30	
o-Xylene	0.5000	0.5815	116	0.5694	114	22-160	0-183	2	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-06-1870
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM

Project: Omega IAQ / 10500

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-188-10	**Air**	**GC/MS DD**	**N/A**	**06/28/12**	**120628L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Hexachloro-1,3-Butadiene	0.5000	0.7369	147	0.6767	135	50-150	33-167	9	0-30	
Methyl-t-Butyl Ether (MTBE)	0.5000	0.5771	115	0.5593	112	50-150	33-167	3	0-30	
Naphthalene	0.5000	0.7850	157	0.7250	145	40-190	15-215	8	0-30	

Total number of LCS compounds : 35
Total number of ME compounds : 0
Total number of ME compounds allowed : 2
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-1870**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
IAQ-ROP1-062712-K2	-5.00	-29.70	D298	Summa Canister 6L
IAQ-TP1-062712-K2	-5.00	-29.70	D367	Summa Canister 6L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-1870

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 6.27.12
PAGE: 1 OF 1

LABORATORY CLIENT: CDM Smith
ADDRESS: 111 Academy Ste. 150
CITY: Irvine STATE: CA ZIP: 92617
TEL: (949)752-5452 E-MAIL: wallinsf@cdmsmith.com

CLIENT PROJECT NAME / NUMBER: Omega IAQ / ~~15000~~ 10500
PROJECT ADDRESS: ← same
CITY: STATE: ZIP:
PROJECT CONTACT: Sharon Wallin

P.O.NO.: 10500
LAB CONTACT OR QUOTE NO. Steve Nonak
LAB USE ONLY 12-06-1870

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS
SAMPLER(S): (NAME / SIGNATURE) N. Begay
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) ☐ EDD
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15 SIM

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Canister ID#	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15 SIM
1	IAQ-ROP1-062712-K2	ROP1	I	D298	6L	FC242	6.27.12	0752	7-30	6.27.12	1436	-5	X
2	IAQ-TP1-062712-K2	TP1	I	D367	6L	FC271	↓	0810	7-30	↓	1610	-5/-5	X
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

Relinquished by: (Signature)	Received by: (Signature) Dannyle CSL	Date: 6.27.2012	Time: 17:27
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-1870

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: CDM

DATE: 06/27/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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: D.L

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Initial: D.L

☐ 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 ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** D.L

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

Attachment F.4
ISVE1 Laboratory Data Reports

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-04-1633

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 05/10/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_042312 (12-04-1633-1)						
Acetone	**3.6**		2.2	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.57**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**100**		0.54	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**130**		1.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**16**		0.54	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**4.8**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**10**		1.6	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-5S_042312 (12-04-1633-2)						
Acetone	**3.4**		2.2	ppb (v/v)	EPA TO-15	N/A
Chloroform	**14**		0.54	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.58**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**1.3**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**210**		6.1	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**53**		0.54	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.78**		0.54	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**0.81**		0.54	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**320**		6.1	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**96**		6.1	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**13**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**23**		1.6	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.66**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**1.0**		0.54	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-6S_042312 (12-04-1633-3)						
Acetone	**2.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.92**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**120**		5.7	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**350**		5.7	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**120**		5.7	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**9.9**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**22**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**0.84**		0.50	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-8S_042312 (12-04-1633-4)						
1,1-Dichloroethene	**76**		10	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**48**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**53000**		500	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**110**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**110**		30	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**96**		10	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-9S_042312 (12-04-1633-5)						
Acetone	**2.7**		2.2	ppb (v/v)	EPA TO-15	N/A
Chloroform	**16**		0.56	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.73**		0.56	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**2.4**		0.56	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**260**		15	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**2.2**		0.56	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.67**		0.56	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**1.5**		0.56	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1100**		15	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**72**		0.56	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**41**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**180**		46	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-10S_042312 (12-04-1633-6)						
Acetone	**4.0**		2.2	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.58**		0.54	ppb (v/v)	EPA TO-15	N/A
Chloroform	**11**		0.54	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.71**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**1.8**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**380**		15	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.92**		0.54	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1200**		15	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**93**		0.54	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**11**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**55**		1.6	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-11S_042312 (12-04-1633-7)						
Acetone	**5.1**		2.2	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.3**		0.55	ppb (v/v)	EPA TO-15	N/A
Chloroform	**78**		0.55	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.1**		0.55	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**10**		0.55	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**850**		16	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**33**		0.55	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.4**		0.55	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**2.3**		0.55	ppb (v/v)	EPA TO-15	N/A
Methylene Chloride	**13**		5.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2900**		16	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**340**		16	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**120**		32	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**550**		48	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**1.3**		0.55	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**7.2**		0.55	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-12S_042312 (12-04-1633-8)						
Acetone	**23**		2.2	ppb (v/v)	EPA TO-15	N/A
Chloroform	**5.7**		0.54	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.2**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**0.65**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**100**		0.54	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**0.73**		0.54	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**480**		16	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**26**		0.54	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**39**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**270**		48	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-14S_042312 (12-04-1633-9)						
Acetone	**9.3**		2.2	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.64**		0.56	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**7.0**		0.56	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**15**		0.56	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**2.4**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**4.2**		1.7	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.77**		0.56	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: OC_SVE_VE-15S_042312 (12-04-1633-10)						
Acetone	**3.9**		2.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**31**		0.55	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**53**		0.55	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**31**		0.55	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**3.6**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**9.0**		1.6	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_042312 (12-04-1633-1)						
Acetone	**8.6**		5.2	ug/m3	EPA TO-15	N/A
Chloroform	**2.8**		2.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**410**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**860**		10	ug/m3	EPA TO-15	N/A
Trichloroethene	**85**		2.9	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**27**		6.1	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**77**		13	ug/m3	EPA TO-15	N/A
OC_SVE_VE-5S_042312 (12-04-1633-2)						
Acetone	**8.2**		5.2	ug/m3	EPA TO-15	N/A
Chloroform	**67**		2.7	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**5.1**		2.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**820**		24	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**220**		2.2	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**3.1**		2.2	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**3.2**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2200**		41	ug/m3	EPA TO-15	N/A
Trichloroethene	**520**		33	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**73**		6.1	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**180**		13	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**3.6**		3.0	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**5.4**		3.0	ug/m3	EPA TO-15	N/A
OC_SVE_VE-6S_042312 (12-04-1633-3)						
Acetone	**6.5**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**4.5**		2.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**6.2**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**480**		23	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2400**		39	ug/m3	EPA TO-15	N/A
Trichloroethene	**640**		31	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**55**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**170**		11	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**4.6**		2.7	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-8S_042312 (12-04-1633-4)						
1,1-Dichloroethene	**300**		40	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**190**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**360000**		3400	ug/m3	EPA TO-15	N/A
Trichloroethene	**580**		54	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**820**		230	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**530**		55	ug/m3	EPA TO-15	N/A
OC_SVE_VE-9S_042312 (12-04-1633-5)						
Acetone	**6.4**		5.3	ug/m3	EPA TO-15	N/A
Chloroform	**79**		2.7	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.6**		2.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**9.8**		2.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1000**		61	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**9.1**		2.2	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.7**		2.2	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**5.8**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**7700**		100	ug/m3	EPA TO-15	N/A
Trichloroethene	**390**		3.0	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**230**		6.2	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1400**		350	ug/m3	EPA TO-15	N/A
OC_SVE_VE-10S_042312 (12-04-1633-6)						
Acetone	**9.6**		5.2	ug/m3	EPA TO-15	N/A
Benzene	**1.8**		1.7	ug/m3	EPA TO-15	N/A
Chloroform	**55**		2.7	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.5**		2.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**7.2**		2.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1500**		58	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**3.6**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**8100**		100	ug/m3	EPA TO-15	N/A
Trichloroethene	**500**		2.9	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**61**		6.1	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**420**		13	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-11S_042312 (12-04-1633-7)						
Acetone	**12**		5.2	ug/m3	EPA TO-15	N/A
Benzene	**4.1**		1.8	ug/m3	EPA TO-15	N/A
Chloroform	**380**		2.7	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**5.2**		2.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**41**		2.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3400**		63	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**130**		2.2	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**9.6**		2.2	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**8.9**		2.2	ug/m3	EPA TO-15	N/A
Methylene Chloride	**44**		19	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**20000**		110	ug/m3	EPA TO-15	N/A
Trichloroethene	**1900**		85	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**690**		180	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**4200**		370	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**7.0**		3.0	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**39**		3.0	ug/m3	EPA TO-15	N/A
OC_SVE_VE-12S_042312 (12-04-1633-8)						
Acetone	**55**		5.2	ug/m3	EPA TO-15	N/A
Chloroform	**28**		2.7	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**5.8**		2.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**2.6**		2.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**420**		2.2	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**3.0**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**3200**		110	ug/m3	EPA TO-15	N/A
Trichloroethene	**140**		2.9	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**220**		6.1	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2100**		370	ug/m3	EPA TO-15	N/A
OC_SVE_VE-14S_042312 (12-04-1633-9)						
Acetone	**22**		5.3	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.8	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**47**		3.8	ug/m3	EPA TO-15	N/A
Trichloroethene	**80**		3.0	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**14**		6.3	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**32**		13	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**4.2**		3.1	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-15S_042312 (12-04-1633-10)						
Acetone	**9.3**		5.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**120**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**360**		3.7	ug/m3	EPA TO-15	N/A
Trichloroethene	**170**		3.0	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**20**		6.2	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**69**		13	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE1
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_EFF_GAC_042312 (12-04-1633-11)						
Dichlorodifluoromethane	**0.76**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**140**		2.8	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**0.69**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**29**		1.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE_MID_GAC_042312 (12-04-1633-12)						
Chloroform	**1.4**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.71**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**260**		6.1	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**36**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**15**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_INF_GAC_042312 (12-04-1633-13)						
Chloroform	**16**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**270**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**21**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**6800**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**140**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**30**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**150**		15	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**18**		5.0	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1633
		Project name:	Omega - SVE1
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_EFF_GAC_042312 (12-04-1633-11)						
Dichlorodifluoromethane	**3.7**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**550**		11	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4.7**		3.4	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**160**		5.6	ug/m3	EPA TO-15	N/A
OC_SVE_MID_GAC_042312 (12-04-1633-12)						
Chloroform	**6.7**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.5**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**4.4**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1000**		24	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**200**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**120**		11	ug/m3	EPA TO-15	N/A
OC_SVE_INF_GAC_042312 (12-04-1633-13)						
Chloroform	**79**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1100**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**87**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**46000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**760**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**170**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1100**		110	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**100**		27	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1S_042312	**12-04-1633-1-A**	**04/23/12 16:27**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 20:30**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	3.6	2.2	1.09		t-1,2-Dichloroethene	ND	0.54	1.09	
Benzene	ND	0.54	1.09		t-1,3-Dichloropropene	ND	1.1	1.09	
Benzyl Chloride	ND	1.6	1.09		Ethylbenzene	ND	0.54	1.09	
Bromodichloromethane	ND	0.54	1.09		4-Ethyltoluene	ND	0.54	1.09	
Bromoform	ND	0.54	1.09		Hexachloro-1,3-Butadiene	ND	1.6	1.09	
Bromomethane	ND	0.54	1.09		Hexane	ND	2.2	1.09	
2-Butanone	ND	1.6	1.09		2-Hexanone	ND	1.6	1.09	
Carbon Disulfide	ND	2.2	1.09		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.09	
Carbon Tetrachloride	ND	0.54	1.09		Methylene Chloride	ND	5.4	1.09	
Chlorobenzene	ND	0.54	1.09		4-Methyl-2-Pentanone	ND	1.6	1.09	
Chloroethane	ND	0.54	1.09		o-Xylene	ND	0.54	1.09	
Chloroform	0.57	0.54	1.09		p/m-Xylene	ND	2.2	1.09	
Chloromethane	ND	0.54	1.09		Styrene	ND	1.6	1.09	
Dibromochloromethane	ND	0.54	1.09		Tetrachloroethene	130	1.5	2.95	
Dichlorodifluoromethane	ND	0.54	1.09		Toluene	ND	0.54	1.09	
1,1-Dichloroethane	ND	0.54	1.09		Trichloroethene	16	0.54	1.09	
1,1-Dichloroethene	100	0.54	1.09		Trichlorofluoromethane	4.8	1.1	1.09	
1,2-Dibromoethane	ND	0.54	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	10	1.6	1.09	
Dichlorotetrafluoroethane	ND	2.2	1.09		1,1,1-Trichloroethane	ND	0.54	1.09	
1,2-Dichlorobenzene	ND	0.54	1.09		1,1,2-Trichloroethane	ND	0.54	1.09	
1,2-Dichloroethane	ND	0.54	1.09		1,3,5-Trimethylbenzene	ND	0.54	1.09	
1,2-Dichloropropane	ND	0.54	1.09		1,1,2,2-Tetrachloroethane	ND	1.1	1.09	
1,3-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trimethylbenzene	ND	1.6	1.09	
1,4-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trichlorobenzene	ND	2.2	1.09	
1,4-Dioxane	ND	11	1.09		Vinyl Acetate	ND	2.2	1.09	
c-1,3-Dichloropropene	ND	0.54	1.09		Vinyl Chloride	ND	0.54	1.09	
c-1,2-Dichloroethene	ND	0.54	1.09		Isopropanol	ND	5.4	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	87	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5S_042312	**12-04-1633-2-A**	**04/23/12 16:29**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 21:26**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	3.4	2.2	1.09		t-1,2-Dichloroethene	0.81	0.54	1.09	
Benzene	ND	0.54	1.09		t-1,3-Dichloropropene	ND	1.1	1.09	
Benzyl Chloride	ND	1.6	1.09		Ethylbenzene	ND	0.54	1.09	
Bromodichloromethane	ND	0.54	1.09		4-Ethyltoluene	ND	0.54	1.09	
Bromoform	ND	0.54	1.09		Hexachloro-1,3-Butadiene	ND	1.6	1.09	
Bromomethane	ND	0.54	1.09		Hexane	ND	2.2	1.09	
2-Butanone	ND	1.6	1.09		2-Hexanone	ND	1.6	1.09	
Carbon Disulfide	ND	2.2	1.09		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.09	
Carbon Tetrachloride	ND	0.54	1.09		Methylene Chloride	ND	5.4	1.09	
Chlorobenzene	ND	0.54	1.09		4-Methyl-2-Pentanone	ND	1.6	1.09	
Chloroethane	ND	0.54	1.09		o-Xylene	ND	0.54	1.09	
Chloroform	14	0.54	1.09		p/m-Xylene	ND	2.2	1.09	
Chloromethane	ND	0.54	1.09		Styrene	ND	1.6	1.09	
Dibromochloromethane	ND	0.54	1.09		Tetrachloroethene	320	6.1	12.2	
Dichlorodifluoromethane	0.58	0.54	1.09		Toluene	ND	0.54	1.09	
1,1-Dichloroethane	1.3	0.54	1.09		Trichloroethene	96	6.1	12.2	
1,1-Dichloroethene	210	6.1	12.2		Trichlorofluoromethane	13	1.1	1.09	
1,2-Dibromoethane	ND	0.54	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	23	1.6	1.09	
Dichlorotetrafluoroethane	ND	2.2	1.09		1,1,1-Trichloroethane	0.66	0.54	1.09	
1,2-Dichlorobenzene	ND	0.54	1.09		1,1,2-Trichloroethane	1.0	0.54	1.09	
1,2-Dichloroethane	53	0.54	1.09		1,3,5-Trimethylbenzene	ND	0.54	1.09	
1,2-Dichloropropane	ND	0.54	1.09		1,1,2,2-Tetrachloroethane	ND	1.1	1.09	
1,3-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trimethylbenzene	ND	1.6	1.09	
1,4-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trichlorobenzene	ND	2.2	1.09	
1,4-Dioxane	ND	11	1.09		Vinyl Acetate	ND	2.2	1.09	
c-1,3-Dichloropropene	ND	0.54	1.09		Vinyl Chloride	ND	0.54	1.09	
c-1,2-Dichloroethene	0.78	0.54	1.09		Isopropanol	ND	5.4	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	93	47-137	
Toluene-d8	87	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 3 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-6S_042312	**12-04-1633-3-A**	**04/23/12 16:33**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 22:18**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	2.7	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	0.92	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	350	5.7	11.4	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	1.5	0.50	1		Trichloroethene	120	5.7	11.4	
1,1-Dichloroethene	120	5.7	11.4		Trichlorofluoromethane	9.9	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	22	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	0.84	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	95	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 4 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-8S_042312	**12-04-1633-4-A**	**04/23/12 16:36**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 08:22**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40	20		t-1,2-Dichloroethene	ND	10	20	
Benzene	ND	10	20		t-1,3-Dichloropropene	ND	20	20	
Benzyl Chloride	ND	30	20		Ethylbenzene	ND	10	20	
Bromodichloromethane	ND	10	20		4-Ethyltoluene	ND	10	20	
Bromoform	ND	10	20		Hexachloro-1,3-Butadiene	ND	30	20	
Bromomethane	ND	10	20		Hexane	ND	40	20	
2-Butanone	ND	30	20		2-Hexanone	ND	30	20	
Carbon Disulfide	ND	40	20		Methyl-t-Butyl Ether (MTBE)	ND	40	20	
Carbon Tetrachloride	ND	10	20		Methylene Chloride	ND	100	20	
Chlorobenzene	ND	10	20		4-Methyl-2-Pentanone	ND	30	20	
Chloroethane	ND	10	20		o-Xylene	ND	10	20	
Chloroform	ND	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	53000	500	1000	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	ND	10	20		Trichloroethene	110	10	20	
1,1-Dichloroethene	76	10	20		Trichlorofluoromethane	ND	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	110	30	20	
Dichlorotetrafluoroethane	ND	40	20		1,1,1-Trichloroethane	96	10	20	
1,2-Dichlorobenzene	ND	10	20		1,1,2-Trichloroethane	ND	10	20	
1,2-Dichloroethane	48	10	20		1,3,5-Trimethylbenzene	ND	10	20	
1,2-Dichloropropane	ND	10	20		1,1,2,2-Tetrachloroethane	ND	20	20	
1,3-Dichlorobenzene	ND	10	20		1,2,4-Trimethylbenzene	ND	30	20	
1,4-Dichlorobenzene	ND	10	20		1,2,4-Trichlorobenzene	ND	40	20	
1,4-Dioxane	ND	200	20		Vinyl Acetate	ND	40	20	
c-1,3-Dichloropropene	ND	10	20		Vinyl Chloride	ND	10	20	
c-1,2-Dichloroethene	ND	10	20		Isopropanol	ND	100	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	95	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-9S_042312	**12-04-1633-5-A**	**04/23/12 16:39**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 23:13**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	2.7	2.2	1.11		t-1,2-Dichloroethene	1.5	0.56	1.11	
Benzene	ND	0.56	1.11		t-1,3-Dichloropropene	ND	1.1	1.11	
Benzyl Chloride	ND	1.7	1.11		Ethylbenzene	ND	0.56	1.11	
Bromodichloromethane	ND	0.56	1.11		4-Ethyltoluene	ND	0.56	1.11	
Bromoform	ND	0.56	1.11		Hexachloro-1,3-Butadiene	ND	1.7	1.11	
Bromomethane	ND	0.56	1.11		Hexane	ND	2.2	1.11	
2-Butanone	ND	1.7	1.11		2-Hexanone	ND	1.7	1.11	
Carbon Disulfide	ND	2.2	1.11		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.11	
Carbon Tetrachloride	ND	0.56	1.11		Methylene Chloride	ND	5.6	1.11	
Chlorobenzene	ND	0.56	1.11		4-Methyl-2-Pentanone	ND	1.7	1.11	
Chloroethane	ND	0.56	1.11		o-Xylene	ND	0.56	1.11	
Chloroform	16	0.56	1.11		p/m-Xylene	ND	2.2	1.11	
Chloromethane	ND	0.56	1.11		Styrene	ND	1.7	1.11	
Dibromochloromethane	ND	0.56	1.11		Tetrachloroethene	1100	15	30.6	
Dichlorodifluoromethane	0.73	0.56	1.11		Toluene	ND	0.56	1.11	
1,1-Dichloroethane	2.4	0.56	1.11		Trichloroethene	72	0.56	1.11	
1,1-Dichloroethene	260	15	30.6		Trichlorofluoromethane	41	1.1	1.11	
1,2-Dibromoethane	ND	0.56	1.11		1,1,2-Trichloro-1,2,2-Trifluoroethane	180	46	30.6	
Dichlorotetrafluoroethane	ND	2.2	1.11		1,1,1-Trichloroethane	ND	0.56	1.11	
1,2-Dichlorobenzene	ND	0.56	1.11		1,1,2-Trichloroethane	ND	0.56	1.11	
1,2-Dichloroethane	2.2	0.56	1.11		1,3,5-Trimethylbenzene	ND	0.56	1.11	
1,2-Dichloropropane	ND	0.56	1.11		1,1,2,2-Tetrachloroethane	ND	1.1	1.11	
1,3-Dichlorobenzene	ND	0.56	1.11		1,2,4-Trimethylbenzene	ND	1.7	1.11	
1,4-Dichlorobenzene	ND	0.56	1.11		1,2,4-Trichlorobenzene	ND	2.2	1.11	
1,4-Dioxane	ND	11	1.11		Vinyl Acetate	ND	2.2	1.11	
c-1,3-Dichloropropene	ND	0.56	1.11		Vinyl Chloride	ND	0.56	1.11	
c-1,2-Dichloroethene	0.67	0.56	1.11		Isopropanol	ND	5.6	1.11	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	88	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 6 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-10S_042312	**12-04-1633-6-A**	**04/23/12 16:47**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 02:10**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	4.0	2.2	1.09		t-1,2-Dichloroethene	ND	0.54	1.09	
Benzene	0.58	0.54	1.09		t-1,3-Dichloropropene	ND	1.1	1.09	
Benzyl Chloride	ND	1.6	1.09		Ethylbenzene	ND	0.54	1.09	
Bromodichloromethane	ND	0.54	1.09		4-Ethyltoluene	ND	0.54	1.09	
Bromoform	ND	0.54	1.09		Hexachloro-1,3-Butadiene	ND	1.6	1.09	
Bromomethane	ND	0.54	1.09		Hexane	ND	2.2	1.09	
2-Butanone	ND	1.6	1.09		2-Hexanone	ND	1.6	1.09	
Carbon Disulfide	ND	2.2	1.09		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.09	
Carbon Tetrachloride	ND	0.54	1.09		Methylene Chloride	ND	5.4	1.09	
Chlorobenzene	ND	0.54	1.09		4-Methyl-2-Pentanone	ND	1.6	1.09	
Chloroethane	ND	0.54	1.09		o-Xylene	ND	0.54	1.09	
Chloroform	11	0.54	1.09		p/m-Xylene	ND	2.2	1.09	
Chloromethane	ND	0.54	1.09		Styrene	ND	1.6	1.09	
Dibromochloromethane	ND	0.54	1.09		Tetrachloroethene	1200	15	29.5	
Dichlorodifluoromethane	0.71	0.54	1.09		Toluene	ND	0.54	1.09	
1,1-Dichloroethane	1.8	0.54	1.09		Trichloroethene	93	0.54	1.09	
1,1-Dichloroethene	380	15	29.5		Trichlorofluoromethane	11	1.1	1.09	
1,2-Dibromoethane	ND	0.54	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	55	1.6	1.09	
Dichlorotetrafluoroethane	ND	2.2	1.09		1,1,1-Trichloroethane	ND	0.54	1.09	
1,2-Dichlorobenzene	ND	0.54	1.09		1,1,2-Trichloroethane	ND	0.54	1.09	
1,2-Dichloroethane	ND	0.54	1.09		1,3,5-Trimethylbenzene	ND	0.54	1.09	
1,2-Dichloropropane	ND	0.54	1.09		1,1,2,2-Tetrachloroethane	ND	1.1	1.09	
1,3-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trimethylbenzene	ND	1.6	1.09	
1,4-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trichlorobenzene	ND	2.2	1.09	
1,4-Dioxane	ND	11	1.09		Vinyl Acetate	ND	2.2	1.09	
c-1,3-Dichloropropene	ND	0.54	1.09		Vinyl Chloride	ND	0.54	1.09	
c-1,2-Dichloroethene	0.92	0.54	1.09		Isopropanol	ND	5.4	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-11S_042312	**12-04-1633-7-A**	**04/23/12 16:50**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 03:05**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.1	2.2	1.1		t-1,2-Dichloroethene	2.3	0.55	1.1	
Benzene	1.3	0.55	1.1		t-1,3-Dichloropropene	ND	1.1	1.1	
Benzyl Chloride	ND	1.6	1.1		Ethylbenzene	ND	0.55	1.1	
Bromodichloromethane	ND	0.55	1.1		4-Ethyltoluene	ND	0.55	1.1	
Bromoform	ND	0.55	1.1		Hexachloro-1,3-Butadiene	ND	1.6	1.1	
Bromomethane	ND	0.55	1.1		Hexane	ND	2.2	1.1	
2-Butanone	ND	1.6	1.1		2-Hexanone	ND	1.6	1.1	
Carbon Disulfide	ND	2.2	1.1		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.1	
Carbon Tetrachloride	ND	0.55	1.1		Methylene Chloride	13	5.5	1.1	
Chlorobenzene	ND	0.55	1.1		4-Methyl-2-Pentanone	ND	1.6	1.1	
Chloroethane	ND	0.55	1.1		o-Xylene	ND	0.55	1.1	
Chloroform	78	0.55	1.1		p/m-Xylene	ND	2.2	1.1	
Chloromethane	ND	0.55	1.1		Styrene	ND	1.6	1.1	
Dibromochloromethane	ND	0.55	1.1		Tetrachloroethene	2900	16	31.8	
Dichlorodifluoromethane	1.1	0.55	1.1		Toluene	ND	0.55	1.1	
1,1-Dichloroethane	10	0.55	1.1		Trichloroethene	340	16	31.8	
1,1-Dichloroethene	850	16	31.8		Trichlorofluoromethane	120	32	31.8	
1,2-Dibromoethane	ND	0.55	1.1		1,1,2-Trichloro-1,2,2-Trifluoroethane	550	48	31.8	
Dichlorotetrafluoroethane	ND	2.2	1.1		1,1,1-Trichloroethane	1.3	0.55	1.1	
1,2-Dichlorobenzene	ND	0.55	1.1		1,1,2-Trichloroethane	7.2	0.55	1.1	
1,2-Dichloroethane	33	0.55	1.1		1,3,5-Trimethylbenzene	ND	0.55	1.1	
1,2-Dichloropropane	ND	0.55	1.1		1,1,2,2-Tetrachloroethane	ND	1.1	1.1	
1,3-Dichlorobenzene	ND	0.55	1.1		1,2,4-Trimethylbenzene	ND	1.6	1.1	
1,4-Dichlorobenzene	ND	0.55	1.1		1,2,4-Trichlorobenzene	ND	2.2	1.1	
1,4-Dioxane	ND	11	1.1		Vinyl Acetate	ND	2.2	1.1	
c-1,3-Dichloropropene	ND	0.55	1.1		Vinyl Chloride	ND	0.55	1.1	
c-1,2-Dichloroethene	2.4	0.55	1.1		Isopropanol	ND	5.5	1.1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	89	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-12S_042312	**12-04-1633-8-A**	**04/23/12 16:53**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 04:00**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	23	2.2	1.09		t-1,2-Dichloroethene	ND	0.54	1.09	
Benzene	ND	0.54	1.09		t-1,3-Dichloropropene	ND	1.1	1.09	
Benzyl Chloride	ND	1.6	1.09		Ethylbenzene	ND	0.54	1.09	
Bromodichloromethane	ND	0.54	1.09		4-Ethyltoluene	ND	0.54	1.09	
Bromoform	ND	0.54	1.09		Hexachloro-1,3-Butadiene	ND	1.6	1.09	
Bromomethane	ND	0.54	1.09		Hexane	ND	2.2	1.09	
2-Butanone	ND	1.6	1.09		2-Hexanone	ND	1.6	1.09	
Carbon Disulfide	ND	2.2	1.09		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.09	
Carbon Tetrachloride	ND	0.54	1.09		Methylene Chloride	ND	5.4	1.09	
Chlorobenzene	ND	0.54	1.09		4-Methyl-2-Pentanone	ND	1.6	1.09	
Chloroethane	ND	0.54	1.09		o-Xylene	ND	0.54	1.09	
Chloroform	5.7	0.54	1.09		p/m-Xylene	ND	2.2	1.09	
Chloromethane	ND	0.54	1.09		Styrene	ND	1.6	1.09	
Dibromochloromethane	ND	0.54	1.09		Tetrachloroethene	480	16	31.8	
Dichlorodifluoromethane	1.2	0.54	1.09		Toluene	ND	0.54	1.09	
1,1-Dichloroethane	0.65	0.54	1.09		Trichloroethene	26	0.54	1.09	
1,1-Dichloroethene	100	0.54	1.09		Trichlorofluoromethane	39	1.1	1.09	
1,2-Dibromoethane	ND	0.54	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	270	48	31.8	
Dichlorotetrafluoroethane	ND	2.2	1.09		1,1,1-Trichloroethane	ND	0.54	1.09	
1,2-Dichlorobenzene	ND	0.54	1.09		1,1,2-Trichloroethane	ND	0.54	1.09	
1,2-Dichloroethane	0.73	0.54	1.09		1,3,5-Trimethylbenzene	ND	0.54	1.09	
1,2-Dichloropropane	ND	0.54	1.09		1,1,2,2-Tetrachloroethane	ND	1.1	1.09	
1,3-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trimethylbenzene	ND	1.6	1.09	
1,4-Dichlorobenzene	ND	0.54	1.09		1,2,4-Trichlorobenzene	ND	2.2	1.09	
1,4-Dioxane	ND	11	1.09		Vinyl Acetate	ND	2.2	1.09	
c-1,3-Dichloropropene	ND	0.54	1.09		Vinyl Chloride	ND	0.54	1.09	
c-1,2-Dichloroethene	ND	0.54	1.09		Isopropanol	ND	5.4	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	89	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-14S_042312	**12-04-1633-9-A**	**04/23/12 16:56**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 04:55**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.3	2.2	1.12		t-1,2-Dichloroethene	ND	0.56	1.12	
Benzene	ND	0.56	1.12		t-1,3-Dichloropropene	ND	1.1	1.12	
Benzyl Chloride	ND	1.7	1.12		Ethylbenzene	ND	0.56	1.12	
Bromodichloromethane	ND	0.56	1.12		4-Ethyltoluene	ND	0.56	1.12	
Bromoform	ND	0.56	1.12		Hexachloro-1,3-Butadiene	ND	1.7	1.12	
Bromomethane	ND	0.56	1.12		Hexane	ND	2.2	1.12	
2-Butanone	ND	1.7	1.12		2-Hexanone	ND	1.7	1.12	
Carbon Disulfide	ND	2.2	1.12		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.12	
Carbon Tetrachloride	ND	0.56	1.12		Methylene Chloride	ND	5.6	1.12	
Chlorobenzene	ND	0.56	1.12		4-Methyl-2-Pentanone	ND	1.7	1.12	
Chloroethane	ND	0.56	1.12		o-Xylene	ND	0.56	1.12	
Chloroform	ND	0.56	1.12		p/m-Xylene	ND	2.2	1.12	
Chloromethane	ND	0.56	1.12		Styrene	ND	1.7	1.12	
Dibromochloromethane	ND	0.56	1.12		Tetrachloroethene	7.0	0.56	1.12	
Dichlorodifluoromethane	0.64	0.56	1.12		Toluene	ND	0.56	1.12	
1,1-Dichloroethane	ND	0.56	1.12		Trichloroethene	15	0.56	1.12	
1,1-Dichloroethene	ND	0.56	1.12		Trichlorofluoromethane	2.4	1.1	1.12	
1,2-Dibromoethane	ND	0.56	1.12		1,1,2-Trichloro-1,2,2-Trifluoroethane	4.2	1.7	1.12	
Dichlorotetrafluoroethane	ND	2.2	1.12		1,1,1-Trichloroethane	0.77	0.56	1.12	
1,2-Dichlorobenzene	ND	0.56	1.12		1,1,2-Trichloroethane	ND	0.56	1.12	
1,2-Dichloroethane	ND	0.56	1.12		1,3,5-Trimethylbenzene	ND	0.56	1.12	
1,2-Dichloropropane	ND	0.56	1.12		1,1,2,2-Tetrachloroethane	ND	1.1	1.12	
1,3-Dichlorobenzene	ND	0.56	1.12		1,2,4-Trimethylbenzene	ND	1.7	1.12	
1,4-Dichlorobenzene	ND	0.56	1.12		1,2,4-Trichlorobenzene	ND	2.2	1.12	
1,4-Dioxane	ND	11	1.12		Vinyl Acetate	ND	2.2	1.12	
c-1,3-Dichloropropene	ND	0.56	1.12		Vinyl Chloride	ND	0.56	1.12	
c-1,2-Dichloroethene	ND	0.56	1.12		Isopropanol	ND	5.6	1.12	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 10 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-15S_042312	**12-04-1633-10-A**	**04/23/12 16:59**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 05:50**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	3.9	2.2	1.1		t-1,2-Dichloroethene	ND	0.55	1.1	
Benzene	ND	0.55	1.1		t-1,3-Dichloropropene	ND	1.1	1.1	
Benzyl Chloride	ND	1.6	1.1		Ethylbenzene	ND	0.55	1.1	
Bromodichloromethane	ND	0.55	1.1		4-Ethyltoluene	ND	0.55	1.1	
Bromoform	ND	0.55	1.1		Hexachloro-1,3-Butadiene	ND	1.6	1.1	
Bromomethane	ND	0.55	1.1		Hexane	ND	2.2	1.1	
2-Butanone	ND	1.6	1.1		2-Hexanone	ND	1.6	1.1	
Carbon Disulfide	ND	2.2	1.1		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.1	
Carbon Tetrachloride	ND	0.55	1.1		Methylene Chloride	ND	5.5	1.1	
Chlorobenzene	ND	0.55	1.1		4-Methyl-2-Pentanone	ND	1.6	1.1	
Chloroethane	ND	0.55	1.1		o-Xylene	ND	0.55	1.1	
Chloroform	ND	0.55	1.1		p/m-Xylene	ND	2.2	1.1	
Chloromethane	ND	0.55	1.1		Styrene	ND	1.6	1.1	
Dibromochloromethane	ND	0.55	1.1		Tetrachloroethene	53	0.55	1.1	
Dichlorodifluoromethane	ND	0.55	1.1		Toluene	ND	0.55	1.1	
1,1-Dichloroethane	ND	0.55	1.1		Trichloroethene	31	0.55	1.1	
1,1-Dichloroethene	31	0.55	1.1		Trichlorofluoromethane	3.6	1.1	1.1	
1,2-Dibromoethane	ND	0.55	1.1		1,1,2-Trichloro-1,2,2-Trifluoroethane	9.0	1.6	1.1	
Dichlorotetrafluoroethane	ND	2.2	1.1		1,1,1-Trichloroethane	ND	0.55	1.1	
1,2-Dichlorobenzene	ND	0.55	1.1		1,1,2-Trichloroethane	ND	0.55	1.1	
1,2-Dichloroethane	ND	0.55	1.1		1,3,5-Trimethylbenzene	ND	0.55	1.1	
1,2-Dichloropropane	ND	0.55	1.1		1,1,2,2-Tetrachloroethane	ND	1.1	1.1	
1,3-Dichlorobenzene	ND	0.55	1.1		1,2,4-Trimethylbenzene	ND	1.6	1.1	
1,4-Dichlorobenzene	ND	0.55	1.1		1,2,4-Trichlorobenzene	ND	2.2	1.1	
1,4-Dioxane	ND	11	1.1		Vinyl Acetate	ND	2.2	1.1	
c-1,3-Dichloropropene	ND	0.55	1.1		Vinyl Chloride	ND	0.55	1.1	
c-1,2-Dichloroethene	ND	0.55	1.1		Isopropanol	ND	5.5	1.1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	92	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,018**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 14:00**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,023**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 15:08**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	86	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1S_042312	**12-04-1633-1-A**	**04/23/12 16:27**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 20:30**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.6	5.2	1.09		t-1,2-Dichloroethene	ND	2.2	1.09	
Benzene	ND	1.7	1.09		t-1,3-Dichloropropene	ND	4.9	1.09	
Benzyl Chloride	ND	8.5	1.09		Ethylbenzene	ND	2.4	1.09	
Bromodichloromethane	ND	3.7	1.09		4-Ethyltoluene	ND	2.7	1.09	
Bromoform	ND	5.6	1.09		Hexachloro-1,3-Butadiene	ND	17	1.09	
Bromomethane	ND	2.1	1.09		Hexane	ND	7.7	1.09	
2-Butanone	ND	4.8	1.09		2-Hexanone	ND	6.7	1.09	
Carbon Disulfide	ND	6.8	1.09		Methyl-t-Butyl Ether (MTBE)	ND	7.9	1.09	
Carbon Tetrachloride	ND	3.4	1.09		Methylene Chloride	ND	19	1.09	
Chlorobenzene	ND	2.5	1.09		4-Methyl-2-Pentanone	ND	6.7	1.09	
Chloroethane	ND	1.4	1.09		o-Xylene	ND	2.4	1.09	
Chloroform	2.8	2.7	1.09		p/m-Xylene	ND	9.5	1.09	
Chloromethane	ND	1.1	1.09		Styrene	ND	7.0	1.09	
Dibromochloromethane	ND	4.6	1.09		Tetrachloroethene	860	10	2.95	
Dichlorodifluoromethane	ND	2.7	1.09		Toluene	ND	2.1	1.09	
1,1-Dichloroethane	ND	2.2	1.09		Trichloroethene	85	2.9	1.09	
1,1-Dichloroethene	410	2.2	1.09		Trichlorofluoromethane	27	6.1	1.09	
1,2-Dibromoethane	ND	4.2	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	77	13	1.09	
Dichlorotetrafluoroethane	ND	15	1.09		1,1,1-Trichloroethane	ND	3.0	1.09	
1,2-Dichlorobenzene	ND	3.3	1.09		1,1,2-Trichloroethane	ND	3.0	1.09	
1,2-Dichloroethane	ND	2.2	1.09		1,3,5-Trimethylbenzene	ND	2.7	1.09	
1,2-Dichloropropane	ND	2.5	1.09		1,1,2,2-Tetrachloroethane	ND	7.5	1.09	
1,3-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trimethylbenzene	ND	8.0	1.09	
1,4-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trichlorobenzene	ND	16	1.09	
1,4-Dioxane	ND	39	1.09		Vinyl Acetate	ND	7.7	1.09	
c-1,3-Dichloropropene	ND	2.5	1.09		Vinyl Chloride	ND	1.4	1.09	
c-1,2-Dichloroethene	ND	2.2	1.09		Isopropanol	ND	13	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	87	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5S_042312	**12-04-1633-2-A**	**04/23/12 16:29**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 21:26**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.2	5.2	1.09		t-1,2-Dichloroethene	3.2	2.2	1.09	
Benzene	ND	1.7	1.09		t-1,3-Dichloropropene	ND	4.9	1.09	
Benzyl Chloride	ND	8.5	1.09		Ethylbenzene	ND	2.4	1.09	
Bromodichloromethane	ND	3.7	1.09		4-Ethyltoluene	ND	2.7	1.09	
Bromoform	ND	5.6	1.09		Hexachloro-1,3-Butadiene	ND	17	1.09	
Bromomethane	ND	2.1	1.09		Hexane	ND	7.7	1.09	
2-Butanone	ND	4.8	1.09		2-Hexanone	ND	6.7	1.09	
Carbon Disulfide	ND	6.8	1.09		Methyl-t-Butyl Ether (MTBE)	ND	7.9	1.09	
Carbon Tetrachloride	ND	3.4	1.09		Methylene Chloride	ND	19	1.09	
Chlorobenzene	ND	2.5	1.09		4-Methyl-2-Pentanone	ND	6.7	1.09	
Chloroethane	ND	1.4	1.09		o-Xylene	ND	2.4	1.09	
Chloroform	67	2.7	1.09		p/m-Xylene	ND	9.5	1.09	
Chloromethane	ND	1.1	1.09		Styrene	ND	7.0	1.09	
Dibromochloromethane	ND	4.6	1.09		Tetrachloroethene	2200	41	12.2	
Dichlorodifluoromethane	2.9	2.7	1.09		Toluene	ND	2.1	1.09	
1,1-Dichloroethane	5.1	2.2	1.09		Trichloroethene	520	33	12.2	
1,1-Dichloroethene	820	24	12.2		Trichlorofluoromethane	73	6.1	1.09	
1,2-Dibromoethane	ND	4.2	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	180	13	1.09	
Dichlorotetrafluoroethane	ND	15	1.09		1,1,1-Trichloroethane	3.6	3.0	1.09	
1,2-Dichlorobenzene	ND	3.3	1.09		1,1,2-Trichloroethane	5.4	3.0	1.09	
1,2-Dichloroethane	220	2.2	1.09		1,3,5-Trimethylbenzene	ND	2.7	1.09	
1,2-Dichloropropane	ND	2.5	1.09		1,1,2,2-Tetrachloroethane	ND	7.5	1.09	
1,3-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trimethylbenzene	ND	8.0	1.09	
1,4-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trichlorobenzene	ND	16	1.09	
1,4-Dioxane	ND	39	1.09		Vinyl Acetate	ND	7.7	1.09	
c-1,3-Dichloropropene	ND	2.5	1.09		Vinyl Chloride	ND	1.4	1.09	
c-1,2-Dichloroethene	3.1	2.2	1.09		Isopropanol	ND	13	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	93	47-137	
Toluene-d8	87	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-6S_042312	**12-04-1633-3-A**	**04/23/12 16:33**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 22:18**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.5	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	4.5	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2400	39	11.4	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	6.2	2.0	1		Trichloroethene	640	31	11.4	
1,1-Dichloroethene	480	23	11.4		Trichlorofluoromethane	55	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	170	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	4.6	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	95	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-8S_042312	**12-04-1633-4-A**	**04/23/12 16:36**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 08:22**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	95	20		t-1,2-Dichloroethene	ND	40	20	
Benzene	ND	32	20		t-1,3-Dichloropropene	ND	91	20	
Benzyl Chloride	ND	160	20		Ethylbenzene	ND	43	20	
Bromodichloromethane	ND	67	20		4-Ethyltoluene	ND	49	20	
Bromoform	ND	100	20		Hexachloro-1,3-Butadiene	ND	320	20	
Bromomethane	ND	39	20		Hexane	ND	140	20	
2-Butanone	ND	88	20		2-Hexanone	ND	120	20	
Carbon Disulfide	ND	120	20		Methyl-t-Butyl Ether (MTBE)	ND	140	20	
Carbon Tetrachloride	ND	63	20		Methylene Chloride	ND	350	20	
Chlorobenzene	ND	46	20		4-Methyl-2-Pentanone	ND	120	20	
Chloroethane	ND	26	20		o-Xylene	ND	43	20	
Chloroform	ND	49	20		p/m-Xylene	ND	170	20	
Chloromethane	ND	21	20		Styrene	ND	130	20	
Dibromochloromethane	ND	85	20		Tetrachloroethene	360000	3400	1000	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	ND	40	20		Trichloroethene	580	54	20	
1,1-Dichloroethene	300	40	20		Trichlorofluoromethane	ND	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	820	230	20	
Dichlorotetrafluoroethane	ND	280	20		1,1,1-Trichloroethane	530	55	20	
1,2-Dichlorobenzene	ND	60	20		1,1,2-Trichloroethane	ND	55	20	
1,2-Dichloroethane	190	40	20		1,3,5-Trimethylbenzene	ND	49	20	
1,2-Dichloropropane	ND	46	20		1,1,2,2-Tetrachloroethane	ND	140	20	
1,3-Dichlorobenzene	ND	60	20		1,2,4-Trimethylbenzene	ND	150	20	
1,4-Dichlorobenzene	ND	60	20		1,2,4-Trichlorobenzene	ND	300	20	
1,4-Dioxane	ND	720	20		Vinyl Acetate	ND	140	20	
c-1,3-Dichloropropene	ND	45	20		Vinyl Chloride	ND	26	20	
c-1,2-Dichloroethene	ND	40	20		Isopropanol	ND	250	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	95	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-9S_042312	**12-04-1633-5-A**	**04/23/12 16:39**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 23:13**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.4	5.3	1.11		t-1,2-Dichloroethene	5.8	2.2	1.11	
Benzene	ND	1.8	1.11		t-1,3-Dichloropropene	ND	5.0	1.11	
Benzyl Chloride	ND	8.6	1.11		Ethylbenzene	ND	2.4	1.11	
Bromodichloromethane	ND	3.7	1.11		4-Ethyltoluene	ND	2.7	1.11	
Bromoform	ND	5.7	1.11		Hexachloro-1,3-Butadiene	ND	18	1.11	
Bromomethane	ND	2.2	1.11		Hexane	ND	7.8	1.11	
2-Butanone	ND	4.9	1.11		2-Hexanone	ND	6.8	1.11	
Carbon Disulfide	ND	6.9	1.11		Methyl-t-Butyl Ether (MTBE)	ND	8.0	1.11	
Carbon Tetrachloride	ND	3.5	1.11		Methylene Chloride	ND	19	1.11	
Chlorobenzene	ND	2.6	1.11		4-Methyl-2-Pentanone	ND	6.8	1.11	
Chloroethane	ND	1.5	1.11		o-Xylene	ND	2.4	1.11	
Chloroform	79	2.7	1.11		p/m-Xylene	ND	9.6	1.11	
Chloromethane	ND	1.1	1.11		Styrene	ND	7.1	1.11	
Dibromochloromethane	ND	4.7	1.11		Tetrachloroethene	7700	100	30.6	
Dichlorodifluoromethane	3.6	2.7	1.11		Toluene	ND	2.1	1.11	
1,1-Dichloroethane	9.8	2.2	1.11		Trichloroethene	390	3.0	1.11	
1,1-Dichloroethene	1000	61	30.6		Trichlorofluoromethane	230	6.2	1.11	
1,2-Dibromoethane	ND	4.3	1.11		1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	350	30.6	
Dichlorotetrafluoroethane	ND	16	1.11		1,1,1-Trichloroethane	ND	3.0	1.11	
1,2-Dichlorobenzene	ND	3.3	1.11		1,1,2-Trichloroethane	ND	3.0	1.11	
1,2-Dichloroethane	9.1	2.2	1.11		1,3,5-Trimethylbenzene	ND	2.7	1.11	
1,2-Dichloropropane	ND	2.6	1.11		1,1,2,2-Tetrachloroethane	ND	7.6	1.11	
1,3-Dichlorobenzene	ND	3.3	1.11		1,2,4-Trimethylbenzene	ND	8.2	1.11	
1,4-Dichlorobenzene	ND	3.3	1.11		1,2,4-Trichlorobenzene	ND	16	1.11	
1,4-Dioxane	ND	40	1.11		Vinyl Acetate	ND	7.8	1.11	
c-1,3-Dichloropropene	ND	2.5	1.11		Vinyl Chloride	ND	1.4	1.11	
c-1,2-Dichloroethene	2.7	2.2	1.11		Isopropanol	ND	14	1.11	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	88	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-10S_042312	**12-04-1633-6-A**	**04/23/12 16:47**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 02:10**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.6	5.2	1.09		t-1,2-Dichloroethene	ND	2.2	1.09	
Benzene	1.8	1.7	1.09		t-1,3-Dichloropropene	ND	4.9	1.09	
Benzyl Chloride	ND	8.5	1.09		Ethylbenzene	ND	2.4	1.09	
Bromodichloromethane	ND	3.7	1.09		4-Ethyltoluene	ND	2.7	1.09	
Bromoform	ND	5.6	1.09		Hexachloro-1,3-Butadiene	ND	17	1.09	
Bromomethane	ND	2.1	1.09		Hexane	ND	7.7	1.09	
2-Butanone	ND	4.8	1.09		2-Hexanone	ND	6.7	1.09	
Carbon Disulfide	ND	6.8	1.09		Methyl-t-Butyl Ether (MTBE)	ND	7.9	1.09	
Carbon Tetrachloride	ND	3.4	1.09		Methylene Chloride	ND	19	1.09	
Chlorobenzene	ND	2.5	1.09		4-Methyl-2-Pentanone	ND	6.7	1.09	
Chloroethane	ND	1.4	1.09		o-Xylene	ND	2.4	1.09	
Chloroform	55	2.7	1.09		p/m-Xylene	ND	9.5	1.09	
Chloromethane	ND	1.1	1.09		Styrene	ND	7.0	1.09	
Dibromochloromethane	ND	4.6	1.09		Tetrachloroethene	8100	100	29.5	
Dichlorodifluoromethane	3.5	2.7	1.09		Toluene	ND	2.1	1.09	
1,1-Dichloroethane	7.2	2.2	1.09		Trichloroethene	500	2.9	1.09	
1,1-Dichloroethene	1500	58	29.5		Trichlorofluoromethane	61	6.1	1.09	
1,2-Dibromoethane	ND	4.2	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	420	13	1.09	
Dichlorotetrafluoroethane	ND	15	1.09		1,1,1-Trichloroethane	ND	3.0	1.09	
1,2-Dichlorobenzene	ND	3.3	1.09		1,1,2-Trichloroethane	ND	3.0	1.09	
1,2-Dichloroethane	ND	2.2	1.09		1,3,5-Trimethylbenzene	ND	2.7	1.09	
1,2-Dichloropropane	ND	2.5	1.09		1,1,2,2-Tetrachloroethane	ND	7.5	1.09	
1,3-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trimethylbenzene	ND	8.0	1.09	
1,4-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trichlorobenzene	ND	16	1.09	
1,4-Dioxane	ND	39	1.09		Vinyl Acetate	ND	7.7	1.09	
c-1,3-Dichloropropene	ND	2.5	1.09		Vinyl Chloride	ND	1.4	1.09	
c-1,2-Dichloroethene	3.6	2.2	1.09		Isopropanol	ND	13	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-11S_042312	**12-04-1633-7-A**	**04/23/12 16:50**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 03:05**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	5.2	1.1		t-1,2-Dichloroethene	8.9	2.2	1.1	
Benzene	4.1	1.8	1.1		t-1,3-Dichloropropene	ND	5.0	1.1	
Benzyl Chloride	ND	8.5	1.1		Ethylbenzene	ND	2.4	1.1	
Bromodichloromethane	ND	3.7	1.1		4-Ethyltoluene	ND	2.7	1.1	
Bromoform	ND	5.7	1.1		Hexachloro-1,3-Butadiene	ND	18	1.1	
Bromomethane	ND	2.1	1.1		Hexane	ND	7.8	1.1	
2-Butanone	ND	4.9	1.1		2-Hexanone	ND	6.8	1.1	
Carbon Disulfide	ND	6.9	1.1		Methyl-t-Butyl Ether (MTBE)	ND	7.9	1.1	
Carbon Tetrachloride	ND	3.5	1.1		Methylene Chloride	44	19	1.1	
Chlorobenzene	ND	2.5	1.1		4-Methyl-2-Pentanone	ND	6.8	1.1	
Chloroethane	ND	1.5	1.1		o-Xylene	ND	2.4	1.1	
Chloroform	380	2.7	1.1		p/m-Xylene	ND	9.6	1.1	
Chloromethane	ND	1.1	1.1		Styrene	ND	7.0	1.1	
Dibromochloromethane	ND	4.7	1.1		Tetrachloroethene	20000	110	31.8	
Dichlorodifluoromethane	5.2	2.7	1.1		Toluene	ND	2.1	1.1	
1,1-Dichloroethane	41	2.2	1.1		Trichloroethene	1900	85	31.8	
1,1-Dichloroethene	3400	63	31.8		Trichlorofluoromethane	690	180	31.8	
1,2-Dibromoethane	ND	4.2	1.1		1,1,2-Trichloro-1,2,2-Trifluoroethane	4200	370	31.8	
Dichlorotetrafluoroethane	ND	15	1.1		1,1,1-Trichloroethane	7.0	3.0	1.1	
1,2-Dichlorobenzene	ND	3.3	1.1		1,1,2-Trichloroethane	39	3.0	1.1	
1,2-Dichloroethane	130	2.2	1.1		1,3,5-Trimethylbenzene	ND	2.7	1.1	
1,2-Dichloropropane	ND	2.5	1.1		1,1,2,2-Tetrachloroethane	ND	7.6	1.1	
1,3-Dichlorobenzene	ND	3.3	1.1		1,2,4-Trimethylbenzene	ND	8.1	1.1	
1,4-Dichlorobenzene	ND	3.3	1.1		1,2,4-Trichlorobenzene	ND	16	1.1	
1,4-Dioxane	ND	40	1.1		Vinyl Acetate	ND	7.7	1.1	
c-1,3-Dichloropropene	ND	2.5	1.1		Vinyl Chloride	ND	1.4	1.1	
c-1,2-Dichloroethene	9.6	2.2	1.1		Isopropanol	ND	14	1.1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	89	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 8 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-12S_042312	**12-04-1633-8-A**	**04/23/12 16:53**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 04:00**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	55	5.2	1.09		t-1,2-Dichloroethene	ND	2.2	1.09	
Benzene	ND	1.7	1.09		t-1,3-Dichloropropene	ND	4.9	1.09	
Benzyl Chloride	ND	8.5	1.09		Ethylbenzene	ND	2.4	1.09	
Bromodichloromethane	ND	3.7	1.09		4-Ethyltoluene	ND	2.7	1.09	
Bromoform	ND	5.6	1.09		Hexachloro-1,3-Butadiene	ND	17	1.09	
Bromomethane	ND	2.1	1.09		Hexane	ND	7.7	1.09	
2-Butanone	ND	4.8	1.09		2-Hexanone	ND	6.7	1.09	
Carbon Disulfide	ND	6.8	1.09		Methyl-t-Butyl Ether (MTBE)	ND	7.9	1.09	
Carbon Tetrachloride	ND	3.4	1.09		Methylene Chloride	ND	19	1.09	
Chlorobenzene	ND	2.5	1.09		4-Methyl-2-Pentanone	ND	6.7	1.09	
Chloroethane	ND	1.4	1.09		o-Xylene	ND	2.4	1.09	
Chloroform	28	2.7	1.09		p/m-Xylene	ND	9.5	1.09	
Chloromethane	ND	1.1	1.09		Styrene	ND	7.0	1.09	
Dibromochloromethane	ND	4.6	1.09		Tetrachloroethene	3200	110	31.8	
Dichlorodifluoromethane	5.8	2.7	1.09		Toluene	ND	2.1	1.09	
1,1-Dichloroethane	2.6	2.2	1.09		Trichloroethene	140	2.9	1.09	
1,1-Dichloroethene	420	2.2	1.09		Trichlorofluoromethane	220	6.1	1.09	
1,2-Dibromoethane	ND	4.2	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	2100	370	31.8	
Dichlorotetrafluoroethane	ND	15	1.09		1,1,1-Trichloroethane	ND	3.0	1.09	
1,2-Dichlorobenzene	ND	3.3	1.09		1,1,2-Trichloroethane	ND	3.0	1.09	
1,2-Dichloroethane	3.0	2.2	1.09		1,3,5-Trimethylbenzene	ND	2.7	1.09	
1,2-Dichloropropane	ND	2.5	1.09		1,1,2,2-Tetrachloroethane	ND	7.5	1.09	
1,3-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trimethylbenzene	ND	8.0	1.09	
1,4-Dichlorobenzene	ND	3.3	1.09		1,2,4-Trichlorobenzene	ND	16	1.09	
1,4-Dioxane	ND	39	1.09		Vinyl Acetate	ND	7.7	1.09	
c-1,3-Dichloropropene	ND	2.5	1.09		Vinyl Chloride	ND	1.4	1.09	
c-1,2-Dichloroethene	ND	2.2	1.09		Isopropanol	ND	13	1.09	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	89	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-14S_042312	**12-04-1633-9-A**	**04/23/12 16:56**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 04:55**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	22	5.3	1.12		t-1,2-Dichloroethene	ND	2.2	1.12	
Benzene	ND	1.8	1.12		t-1,3-Dichloropropene	ND	5.1	1.12	
Benzyl Chloride	ND	8.7	1.12		Ethylbenzene	ND	2.4	1.12	
Bromodichloromethane	ND	3.8	1.12		4-Ethyltoluene	ND	2.8	1.12	
Bromoform	ND	5.8	1.12		Hexachloro-1,3-Butadiene	ND	18	1.12	
Bromomethane	ND	2.2	1.12		Hexane	ND	7.9	1.12	
2-Butanone	ND	5.0	1.12		2-Hexanone	ND	6.9	1.12	
Carbon Disulfide	ND	7.0	1.12		Methyl-t-Butyl Ether (MTBE)	ND	8.1	1.12	
Carbon Tetrachloride	ND	3.5	1.12		Methylene Chloride	ND	19	1.12	
Chlorobenzene	ND	2.6	1.12		4-Methyl-2-Pentanone	ND	6.9	1.12	
Chloroethane	ND	1.5	1.12		o-Xylene	ND	2.4	1.12	
Chloroform	ND	2.7	1.12		p/m-Xylene	ND	9.7	1.12	
Chloromethane	ND	1.2	1.12		Styrene	ND	7.2	1.12	
Dibromochloromethane	ND	4.8	1.12		Tetrachloroethene	47	3.8	1.12	
Dichlorodifluoromethane	3.1	2.8	1.12		Toluene	ND	2.1	1.12	
1,1-Dichloroethane	ND	2.3	1.12		Trichloroethene	80	3.0	1.12	
1,1-Dichloroethene	ND	2.2	1.12		Trichlorofluoromethane	14	6.3	1.12	
1,2-Dibromoethane	ND	4.3	1.12		1,1,2-Trichloro-1,2,2-Trifluoroethane	32	13	1.12	
Dichlorotetrafluoroethane	ND	16	1.12		1,1,1-Trichloroethane	4.2	3.1	1.12	
1,2-Dichlorobenzene	ND	3.4	1.12		1,1,2-Trichloroethane	ND	3.1	1.12	
1,2-Dichloroethane	ND	2.3	1.12		1,3,5-Trimethylbenzene	ND	2.8	1.12	
1,2-Dichloropropane	ND	2.6	1.12		1,1,2,2-Tetrachloroethane	ND	7.7	1.12	
1,3-Dichlorobenzene	ND	3.4	1.12		1,2,4-Trimethylbenzene	ND	8.3	1.12	
1,4-Dichlorobenzene	ND	3.4	1.12		1,2,4-Trichlorobenzene	ND	17	1.12	
1,4-Dioxane	ND	40	1.12		Vinyl Acetate	ND	7.9	1.12	
c-1,3-Dichloropropene	ND	2.5	1.12		Vinyl Chloride	ND	1.4	1.12	
c-1,2-Dichloroethene	ND	2.2	1.12		Isopropanol	ND	14	1.12	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	91	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-15S_042312	**12-04-1633-10-A**	**04/23/12 16:59**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 05:50**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.3	5.2	1.1		t-1,2-Dichloroethene	ND	2.2	1.1	
Benzene	ND	1.8	1.1		t-1,3-Dichloropropene	ND	5.0	1.1	
Benzyl Chloride	ND	8.5	1.1		Ethylbenzene	ND	2.4	1.1	
Bromodichloromethane	ND	3.7	1.1		4-Ethyltoluene	ND	2.7	1.1	
Bromoform	ND	5.7	1.1		Hexachloro-1,3-Butadiene	ND	18	1.1	
Bromomethane	ND	2.1	1.1		Hexane	ND	7.8	1.1	
2-Butanone	ND	4.9	1.1		2-Hexanone	ND	6.8	1.1	
Carbon Disulfide	ND	6.9	1.1		Methyl-t-Butyl Ether (MTBE)	ND	7.9	1.1	
Carbon Tetrachloride	ND	3.5	1.1		Methylene Chloride	ND	19	1.1	
Chlorobenzene	ND	2.5	1.1		4-Methyl-2-Pentanone	ND	6.8	1.1	
Chloroethane	ND	1.5	1.1		o-Xylene	ND	2.4	1.1	
Chloroform	ND	2.7	1.1		p/m-Xylene	ND	9.6	1.1	
Chloromethane	ND	1.1	1.1		Styrene	ND	7.0	1.1	
Dibromochloromethane	ND	4.7	1.1		Tetrachloroethene	360	3.7	1.1	
Dichlorodifluoromethane	ND	2.7	1.1		Toluene	ND	2.1	1.1	
1,1-Dichloroethane	ND	2.2	1.1		Trichloroethene	170	3.0	1.1	
1,1-Dichloroethene	120	2.2	1.1		Trichlorofluoromethane	20	6.2	1.1	
1,2-Dibromoethane	ND	4.2	1.1		1,1,2-Trichloro-1,2,2-Trifluoroethane	69	13	1.1	
Dichlorotetrafluoroethane	ND	15	1.1		1,1,1-Trichloroethane	ND	3.0	1.1	
1,2-Dichlorobenzene	ND	3.3	1.1		1,1,2-Trichloroethane	ND	3.0	1.1	
1,2-Dichloroethane	ND	2.2	1.1		1,3,5-Trimethylbenzene	ND	2.7	1.1	
1,2-Dichloropropane	ND	2.5	1.1		1,1,2,2-Tetrachloroethane	ND	7.6	1.1	
1,3-Dichlorobenzene	ND	3.3	1.1		1,2,4-Trimethylbenzene	ND	8.1	1.1	
1,4-Dichlorobenzene	ND	3.3	1.1		1,2,4-Trichlorobenzene	ND	16	1.1	
1,4-Dioxane	ND	40	1.1		Vinyl Acetate	ND	7.7	1.1	
c-1,3-Dichloropropene	ND	2.5	1.1		Vinyl Chloride	ND	1.4	1.1	
c-1,2-Dichloroethene	ND	2.2	1.1		Isopropanol	ND	14	1.1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	92	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,018**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 14:00**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,023**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 15:08**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	86	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_EFF_GAC_042312	**12-04-1633-11-A**	**04/23/12 17:02**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 06:45**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	0.69	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.76	0.50	1		Trichlorofluoromethane	29	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	140	2.8	5.52		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	93	78-156					

OC_SVE_MID_GAC_042312	**12-04-1633-12-A**	**04/23/12 17:05**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 07:37**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	1.4	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.71	0.50	1		Trichlorofluoromethane	36	1.0	1	
1,1-Dichloroethane	1.1	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	15	1.5	1	
1,1-Dichloroethene	260	6.1	12.2		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_INF_GAC_042312	**12-04-1633-13-A**	**04/23/12 17:08**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 09:07**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	10		Methylene Chloride	ND	50	10	
2-Butanone	ND	15	10		o-Xylene	ND	5.0	10	
Carbon Disulfide	ND	20	10		Tetrachloroethene	6800	200	400	
Carbon Tetrachloride	ND	5.0	10		Toluene	ND	5.0	10	
Chloroform	16	5.0	10		Trichloroethene	140	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Trichlorofluoromethane	30	10	10	
1,1-Dichloroethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	150	15	10	
1,1-Dichloroethene	270	5.0	10		1,1,1-Trichloroethane	18	5.0	10	
1,2-Dichloroethane	21	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,4-Dioxane	ND	100	10		Vinyl Chloride	ND	5.0	10	
Hexane	ND	20	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	97	47-137	
Toluene-d8	93	78-156					

Method Blank	**095-01-021-10,018**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 14:00**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,023**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 15:08**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	86	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_EFF_GAC_042312	**12-04-1633-11-A**	**04/23/12 17:02**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 06:45**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	4.7	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	3.7	2.5	1		Trichlorofluoromethane	160	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	550	11	5.52		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	93	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_MID_GAC_042312	**12-04-1633-12-A**	**04/23/12 17:05**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 07:37**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	6.7	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	3.5	2.5	1		Trichlorofluoromethane	200	5.6	1	
1,1-Dichloroethane	4.4	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	120	11	1	
1,1-Dichloroethene	1000	24	12.2		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_INF_GAC_042312	**12-04-1633-13-A**	**04/23/12 17:08**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 09:07**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	10		Methylene Chloride	ND	170	10	
2-Butanone	ND	44	10		o-Xylene	ND	22	10	
Carbon Disulfide	ND	62	10		Tetrachloroethene	46000	1400	400	
Carbon Tetrachloride	ND	31	10		Toluene	ND	19	10	
Chloroform	79	24	10		Trichloroethene	760	27	10	
Dichlorodifluoromethane	ND	25	10		Trichlorofluoromethane	170	56	10	
1,1-Dichloroethane	ND	20	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	1100	110	10	
1,1-Dichloroethene	1100	20	10		1,1,1-Trichloroethane	100	27	10	
1,2-Dichloroethane	87	20	10		1,1,2-Trichloroethane	ND	27	10	
1,4-Dioxane	ND	360	10		Vinyl Chloride	ND	13	10	
Hexane	ND	70	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	97	47-137	
Toluene-d8	93	78-156					

Method Blank	**095-01-021-10,018**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/26/12 14:00**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1633
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,023**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**04/27/12 15:08**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	86	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1633
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,018	**Air**	**GC/MS YY**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	84	84	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	77	77	50-150	33-167	0	0-35	
Acetone	25.00	96	97	50-150	33-167	1	0-35	
Benzene	25.00	90	90	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	94	87	50-150	33-167	8	0-35	
Bromodichloromethane	25.00	91	91	50-150	33-167	0	0-35	
Bromoform	25.00	114	114	62-134	50-146	0	0-38	
Bromomethane	25.00	84	85	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	79	80	50-150	33-167	2	0-35	
2-Butanone	25.00	91	93	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	94	96	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	99	99	64-154	49-169	0	0-32	
Chlorobenzene	25.00	94	94	50-150	33-167	1	0-35	
Chloroethane	25.00	84	86	50-150	33-167	2	0-35	
Chloroform	25.00	90	90	50-150	33-167	1	0-35	
Chloromethane	25.00	77	78	50-150	33-167	2	0-35	
Cyclohexane	25.00	101	101	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	103	103	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	85	87	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	25.00	87	87	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	98	100	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	98	99	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	96	97	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	84	86	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	83	77	34-160	13-181	8	0-47	
1,2-Dichloroethane	25.00	93	94	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	99	99	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	82	79	50-150	33-167	4	0-35	
1,4-Dichlorobenzene	25.00	81	77	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	95	90	50-150	33-167	5	0-35	
c-1,3-Dichloropropene	25.00	94	94	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	92	93	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	92	92	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1633
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,018	**Air**	**GC/MS YY**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	95	95	50-150	33-167	1	0-35	
Ethanol	100.0	79	79	50-150	33-167	0	0-35	
Ethyl Acetate	25.00	104	105	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	102	106	50-150	33-167	3	0-35	
Ethylbenzene	25.00	87	88	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	82	81	50-150	33-167	1	0-35	
Heptane	25.00	92	93	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	122	124	50-150	33-167	2	0-35	
Hexane	25.00	100	101	50-150	33-167	1	0-35	
2-Hexanone	25.00	101	102	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	89	92	50-150	33-167	3	0-35	
Methylene Chloride	25.00	88	89	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	98	98	50-150	33-167	1	0-35	
Naphthalene	25.00	99	101	40-190	15-215	2	0-35	
o-Xylene	25.00	87	88	52-148	36-164	1	0-38	
p/m-Xylene	50.00	90	91	42-156	23-175	1	0-41	
Propene	25.00	79	86	50-150	33-167	9	0-35	
Styrene	25.00	89	89	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	89	90	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	101	103	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	107	107	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	92	94	50-150	33-167	2	0-35	
Toluene	25.00	90	90	56-146	41-161	0	0-43	
Trichloroethene	25.00	90	90	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	89	90	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	95	97	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	91	92	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	89	89	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	84	84	50-150	33-167	0	0-35	
Acrolein	25.00	104	105	50-150	33-167	1	0-35	
Acrylonitrile	25.00	103	104	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	91	92	50-150	33-167	1	0-35	
Propane	50.00	65	74	50-150	33-167	14	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1633
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,018	**Air**	**GC/MS YY**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	75	77	50-150	33-167	2	0-35	
Methanol	75.00	65	75	50-150	33-167	14	0-35	
2,2,4-Trimethyl Pentane	25.00	100	101	50-150	33-167	0	0-35	
Isobutane	50.00	77	79	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	91	93	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	82	80	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	88	87	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	81	78	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	112	114	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	95	97	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	87	88	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	96	98	50-150	33-167	1	0-35	
Isopropanol	25.00	102	103	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	83	83	50-150	33-167	0	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1633
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,023	**Air**	**GC/MS YY**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	85	88	50-150	33-167	3	0-35	
n-Propylbenzene	25.00	79	83	50-150	33-167	5	0-35	
Acetone	25.00	99	101	50-150	33-167	1	0-35	
Benzene	25.00	91	92	60-156	44-172	2	0-40	
Benzyl Chloride	25.00	89	99	50-150	33-167	11	0-35	
Bromodichloromethane	25.00	92	93	50-150	33-167	1	0-35	
Bromoform	25.00	115	118	62-134	50-146	3	0-38	
Bromomethane	25.00	85	87	50-150	33-167	2	0-35	
1,3-Butadiene	25.00	81	82	50-150	33-167	1	0-35	
2-Butanone	25.00	95	97	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	97	98	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	100	101	64-154	49-169	1	0-32	
Chlorobenzene	25.00	95	97	50-150	33-167	3	0-35	
Chloroethane	25.00	86	88	50-150	33-167	1	0-35	
Chloroform	25.00	92	94	50-150	33-167	2	0-35	
Chloromethane	25.00	78	80	50-150	33-167	2	0-35	
Cyclohexane	25.00	102	104	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	104	107	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	88	90	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	89	91	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	101	103	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	100	102	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	98	100	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	87	88	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	79	88	34-160	13-181	10	0-47	
1,2-Dichloroethane	25.00	96	98	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	100	102	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	81	88	50-150	33-167	8	0-35	
1,4-Dichlorobenzene	25.00	79	86	36-156	16-176	9	0-47	
1,4-Dioxane	25.00	95	115	50-150	33-167	19	0-35	
c-1,3-Dichloropropene	25.00	95	97	61-157	45-173	2	0-35	
c-1,2-Dichloroethene	25.00	94	96	50-150	33-167	2	0-35	
t-1,2-Dichloroethene	25.00	92	95	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1633
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,023	**Air**	**GC/MS YY**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	96	98	50-150	33-167	2	0-35	
Ethanol	100.0	81	92	50-150	33-167	12	0-35	
Ethyl Acetate	25.00	107	109	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	108	110	50-150	33-167	2	0-35	
Ethylbenzene	25.00	88	91	52-154	35-171	3	0-38	
4-Ethyltoluene	25.00	83	87	50-150	33-167	6	0-35	
Heptane	25.00	93	94	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	126	127	50-150	33-167	1	0-35	
Hexane	25.00	103	104	50-150	33-167	2	0-35	
2-Hexanone	25.00	104	105	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	93	95	50-150	33-167	2	0-35	
Methylene Chloride	25.00	90	92	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	100	102	50-150	33-167	1	0-35	
Naphthalene	25.00	102	106	40-190	15-215	4	0-35	
o-Xylene	25.00	88	91	52-148	36-164	3	0-38	
p/m-Xylene	50.00	92	94	42-156	23-175	3	0-41	
Propene	25.00	89	90	50-150	33-167	1	0-35	
Styrene	25.00	90	93	50-150	33-167	4	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	90	92	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	106	109	50-150	33-167	3	0-35	
Tetrachloroethene	25.00	107	109	56-152	40-168	2	0-40	
Tetrahydrofuran	25.00	96	98	50-150	33-167	2	0-35	
Toluene	25.00	90	92	56-146	41-161	2	0-43	
Trichloroethene	25.00	90	92	63-159	47-175	2	0-34	
Trichlorofluoromethane	25.00	91	92	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	98	99	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	93	95	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	90	92	65-149	51-163	2	0-37	
1,2,3-Trichloropropane	25.00	86	90	50-150	33-167	5	0-35	
Acrolein	25.00	107	107	50-150	33-167	0	0-35	
Acrylonitrile	25.00	107	108	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	93	95	50-150	33-167	2	0-35	
Propane	50.00	77	78	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1633
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,023	**Air**	**GC/MS YY**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	77	79	50-150	33-167	2	0-35	
Methanol	75.00	74	86	50-150	33-167	15	0-35	
2,2,4-Trimethyl Pentane	25.00	102	103	50-150	33-167	1	0-35	
Isobutane	50.00	79	80	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	94	95	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	82	87	50-150	33-167	6	0-35	
1,1,2,2-Tetrachloroethane	25.00	89	94	50-150	33-167	5	0-35	
1,2,4-Trimethylbenzene	25.00	80	86	50-150	33-167	7	0-35	
1,2,4-Trichlorobenzene	25.00	115	118	50-150	33-167	3	0-35	
Vinyl Acetate	25.00	99	100	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	89	90	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	99	100	50-150	33-167	1	0-35	
Isopropanol	25.00	107	114	50-150	33-167	7	0-35	
2-Chlorotoluene	25.00	85	88	50-150	33-167	4	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-04-1633**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE-1S_042312	-5.00	-29.70	LC331	Summa Canister 1L
OC_SVE_VE-5S_042312	-5.00	-29.70	LC450	Summa Canister 1L
OC_SVE_VE-6S_042312	-5.00	-29.70	LC018	Summa Canister 1L
OC_SVE_VE-8S_042312	-5.00	-29.70	LC313	Summa Canister 1L
OC_SVE_VE-9S_042312	-5.00	-29.80	LC496	Summa Canister 1L
OC_SVE_VE-10S_042312	-5.00	-29.70	LC162	Summa Canister 1L
OC_SVE_VE-11S_042312	-5.00	-29.70	LC497	Summa Canister 1L
OC_SVE_VE-12S_042312	-5.00	-29.70	SLC166	Summa Canister 1L
OC_SVE_VE-14S_042312	-5.00	-29.70	LC425	Summa Canister 1L
OC_SVE_VE-15S_042312	-5.00	-29.70	LC273	Summa Canister 1L
OC_SVE_EFF_GAC_042312	-2.00	-29.70	LC115	Summa Canister 1L
OC_SVE_MID_GAC_042312	-2.00	-29.80	LC230	Summa Canister 1L
OC_SVE_INF_GAC_042312	-2.00	-29.70	LC300	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-04-1633

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 4-23-12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St. Suite 104
CITY: San Diego STATE: CA. ZIP: 92106
TEL: (562) 756-8149 E-MAIL: jdinallo@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA. ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobsenhetner.com
SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr.

P.O.NO.:
LAB CONTACT OR QUOTE NO.
LAB USE ONLY 12-04-1633

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☒ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15 (TAL 2.4), TO-15 (TAL 2.3)

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Canister ID#	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)	TO-15 (TAL 2.3)
1	OC_SVE_VE-1S_042312		SV	1542	1L	NA	4-23-12	1625	-30	4-23-12	1627	-2		
2	OC_SVE_VE-5S_042312		SV	1670	1L	NA	4-23-12	1628	-30	4-23-12	1629	-2		
3	OC_SVE_VE-6S_042312		SV	LC018	1L	NA	4-23-12	1631	-30	4-23-12	1633	-2		
4	OC_SVE_VE-8S_042312		SV	1520	1L	NA	4-23-12	1634	-30	4-23-12	1636	-2		
5	OC_SVE_VE-9S_042312		SV	1364	1L	NA	4-23-12	1637	-30	4-23-12	1639	-2		
6	OC_SVE_VE-10S_042312		SV	LC162	1L	NA	4-23-12	1645	-30	4-23-12	1647	-2		
7	OC_SVE_VE-11S_042312		SV	1462	1L	NA	4-23-12	1648	-30	4-23-12	1650	-2		
8	OC_SVE_VE-12S_042312		SV	1442	1L	NA	4-23-12	1651	-30	4-23-12	1653	-2		
9	OC_SVE_VE-14S_042312		SV	1413	1L	NA	4-23-12	1654	-30	4-23-12	1656	-2		
10	OC_SVE_VE-15S_042312		SV	1463	1L	NA	4-23-12	1657	-30	4-23-12	1659	-2		
~~11~~														
11 ~~12~~	OC_SVE_EFF_GAC_042312		SV	1040	1L	NA	4-23-12	~~1040~~ 1700	-29	4-23-12	1702	-2		
12 ~~13~~	OC_SVE_MID_GAC_042312		SV	1174	1L	NA	4-23-12	~~1174~~ 1703	-30	4-23-12	1705	-2		
13 ~~14~~	OC_SVE_INF_GAC_042312		SV	1570	1L	NA	4-23-12	1706	-30	4-23-12	1708	-2		
~~15~~														

Relinquished by: (Signature)	Received by: (Signature) Arthur Lunsa	Date: 4-26-12	Time: 1440
Relinquished by: (Signature) OCC	Received by: (Signature) Danielle CCL	Date: 4/26/12	Time: 15:12
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-04-1633

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: de maximis

DATE: 04/26/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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:** AY

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** AY

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** NC

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. RS 4/26/12			
☑ 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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-05-1332

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE1

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 05/30/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1332
		Project name:	Omega - SVE1
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_051512 (12-05-1332-1)						
Chloroform	**15**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**210**		10	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**19**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3800**		100	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**150**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**25**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**150**		30	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**26**		10	ppb (v/v)	EPA TO-15	N/A
OC_SVE_MID_GAC_051512 (12-05-1332-2)						
Dichlorodifluoromethane	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_EFF_GAC_051512 (12-05-1332-3)						
Dichlorodifluoromethane	**1.1**		0.95	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1332
		Project name:	Omega - SVE1
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_051512 (12-05-1332-1)						
Chloroform	**72**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**820**		40	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**76**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**26000**		680	ug/m3	EPA TO-15	N/A
Trichloroethene	**780**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**140**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1100**		230	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**140**		55	ug/m3	EPA TO-15	N/A
OC_SVE_MID_GAC_051512 (12-05-1332-2)						
Dichlorodifluoromethane	**3.3**		2.5	ug/m3	EPA TO-15	N/A
OC_SVE_EFF_GAC_051512 (12-05-1332-3)						
Dichlorodifluoromethane	**5.4**		4.7	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1332
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_INF_GAC_051512	**12-05-1332-1-A**	**05/15/12 09:38**	**Air**	**GC/MS HH**	**N/A**	**05/19/12 22:42**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	20		Methylene Chloride	ND	100	20	
2-Butanone	ND	30	20		o-Xylene	ND	10	20	
Carbon Disulfide	ND	40	20		Tetrachloroethene	3800	100	200	
Carbon Tetrachloride	ND	10	20		Toluene	ND	10	20	
Chloroform	15	10	20		Trichloroethene	150	10	20	
Dichlorodifluoromethane	ND	10	20		Trichlorofluoromethane	25	20	20	
1,1-Dichloroethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	150	30	20	
1,1-Dichloroethene	210	10	20		1,1,1-Trichloroethane	26	10	20	
1,2-Dichloroethane	19	10	20		1,1,2-Trichloroethane	ND	10	20	
1,4-Dioxane	ND	200	20		Vinyl Chloride	ND	10	20	
Hexane	ND	40	20		Isopropanol	ND	100	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	97	78-156					

OC_SVE_MID_GAC_051512	**12-05-1332-2-A**	**05/15/12 09:33**	**Air**	**GC/MS HH**	**N/A**	**05/21/12 18:35**	**120521L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.67	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1332
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_EFF_GAC_051512	**12-05-1332-3-A**	**05/15/12 09:28**	**Air**	**GC/MS HH**	**N/A**	**05/20/12 03:15**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.95	1.9		Methylene Chloride	ND	9.5	1.9	
2-Butanone	ND	2.8	1.9		o-Xylene	ND	0.95	1.9	
Carbon Disulfide	ND	3.8	1.9		Tetrachloroethene	ND	0.95	1.9	
Carbon Tetrachloride	ND	0.95	1.9		Toluene	ND	0.95	1.9	
Chloroform	ND	0.95	1.9		Trichloroethene	ND	0.95	1.9	
Dichlorodifluoromethane	1.1	0.95	1.9		Trichlorofluoromethane	ND	1.9	1.9	
1,1-Dichloroethane	ND	0.95	1.9		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.8	1.9	
1,1-Dichloroethene	ND	0.95	1.9		1,1,1-Trichloroethane	ND	0.95	1.9	
1,2-Dichloroethane	ND	0.95	1.9		1,1,2-Trichloroethane	ND	0.95	1.9	
1,4-Dioxane	ND	19	1.9		Vinyl Chloride	ND	0.95	1.9	
Hexane	ND	3.8	1.9		Isopropanol	ND	9.5	1.9	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

Method Blank	**095-01-021-10,084**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**05/21/12 16:48**	**120521L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1332
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,085**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**05/19/12 13:53**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1332
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_INF_GAC_051512	**12-05-1332-1-A**	**05/15/12 09:38**	**Air**	**GC/MS HH**	**N/A**	**05/19/12 22:42**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	32	20		Methylene Chloride	ND	350	20	
2-Butanone	ND	88	20		o-Xylene	ND	43	20	
Carbon Disulfide	ND	120	20		Tetrachloroethene	26000	680	200	
Carbon Tetrachloride	ND	63	20		Toluene	ND	38	20	
Chloroform	72	49	20		Trichloroethene	780	54	20	
Dichlorodifluoromethane	ND	49	20		Trichlorofluoromethane	140	110	20	
1,1-Dichloroethane	ND	40	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	1100	230	20	
1,1-Dichloroethene	820	40	20		1,1,1-Trichloroethane	140	55	20	
1,2-Dichloroethane	76	40	20		1,1,2-Trichloroethane	ND	55	20	
1,4-Dioxane	ND	720	20		Vinyl Chloride	ND	26	20	
Hexane	ND	140	20		Isopropanol	ND	250	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	97	78-156					

OC_SVE_MID_GAC_051512	**12-05-1332-2-A**	**05/15/12 09:33**	**Air**	**GC/MS HH**	**N/A**	**05/21/12 18:35**	**120521L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	3.3	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1332
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE1			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_EFF_GAC_051512	**12-05-1332-3-A**	**05/15/12 09:28**	**Air**	**GC/MS HH**	**N/A**	**05/20/12 03:15**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	3.0	1.9		Methylene Chloride	ND	33	1.9	
2-Butanone	ND	8.4	1.9		o-Xylene	ND	4.1	1.9	
Carbon Disulfide	ND	12	1.9		Tetrachloroethene	ND	6.4	1.9	
Carbon Tetrachloride	ND	6.0	1.9		Toluene	ND	3.6	1.9	
Chloroform	ND	4.6	1.9		Trichloroethene	ND	5.1	1.9	
Dichlorodifluoromethane	5.4	4.7	1.9		Trichlorofluoromethane	ND	11	1.9	
1,1-Dichloroethane	ND	3.8	1.9		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	22	1.9	
1,1-Dichloroethene	ND	3.8	1.9		1,1,1-Trichloroethane	ND	5.2	1.9	
1,2-Dichloroethane	ND	3.8	1.9		1,1,2-Trichloroethane	ND	5.2	1.9	
1,4-Dioxane	ND	68	1.9		Vinyl Chloride	ND	2.4	1.9	
Hexane	ND	13	1.9		Isopropanol	ND	23	1.9	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

Method Blank	**095-01-021-10,084**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**05/21/12 16:48**	**120521L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1332
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,085**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**05/19/12 13:53**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1332
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,085	**Air**	**GC/MS HH**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	26.40	106	25.27	101	50-150	33-167	4	0-35	
n-Propylbenzene	25.00	24.41	98	23.50	94	50-150	33-167	4	0-35	
Acetone	25.00	24.71	99	21.74	87	50-150	33-167	13	0-35	
Benzene	25.00	28.73	115	27.06	108	60-156	44-172	6	0-40	
Benzyl Chloride	25.00	27.98	112	27.00	108	50-150	33-167	4	0-35	
Bromodichloromethane	25.00	30.72	123	28.84	115	50-150	33-167	6	0-35	
Bromoform	25.00	31.77	127	30.36	121	62-134	50-146	5	0-38	
Bromomethane	25.00	26.37	105	23.45	94	50-150	33-167	12	0-35	
1,3-Butadiene	25.00	26.53	106	23.45	94	50-150	33-167	12	0-35	
2-Butanone	25.00	26.15	105	24.42	98	50-150	33-167	7	0-35	
Carbon Disulfide	25.00	27.44	110	24.65	99	50-150	33-167	11	0-35	
Carbon Tetrachloride	25.00	31.96	128	29.91	120	64-154	49-169	7	0-32	
Chlorobenzene	25.00	29.04	116	28.04	112	50-150	33-167	3	0-35	
Chloroethane	25.00	26.47	106	23.77	95	50-150	33-167	11	0-35	
Chloroform	25.00	28.89	116	27.02	108	50-150	33-167	7	0-35	
Chloromethane	25.00	25.92	104	22.99	92	50-150	33-167	12	0-35	
Cyclohexane	25.00	27.72	111	26.12	104	50-150	33-167	6	0-35	
Dibromochloromethane	25.00	32.55	130	31.48	126	50-150	33-167	3	0-35	
Dichlorodifluoromethane	25.00	28.84	115	26.52	106	50-150	33-167	8	0-35	
Diisopropyl Ether (DIPE)	25.00	26.06	104	24.17	97	50-150	33-167	8	0-35	
1,1-Dichloroethane	25.00	27.82	111	26.20	105	50-150	33-167	6	0-35	
1,1-Dichloroethene	25.00	25.21	101	22.58	90	50-150	33-167	11	0-35	
1,2-Dibromoethane	25.00	30.51	122	29.70	119	54-144	39-159	3	0-36	
Dichlorotetrafluoroethane	25.00	27.23	109	24.17	97	50-150	33-167	12	0-35	
1,2-Dichlorobenzene	25.00	26.12	104	25.29	101	34-160	13-181	3	0-47	
1,2-Dichloroethane	25.00	29.21	117	27.28	109	69-153	55-167	7	0-35	
1,2-Dichloropropane	25.00	28.49	114	26.71	107	67-157	52-172	6	0-35	
1,3-Dichlorobenzene	25.00	26.52	106	25.50	102	50-150	33-167	4	0-35	
1,4-Dichlorobenzene	25.00	26.30	105	25.12	100	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	30.00	120	28.15	113	50-150	33-167	6	0-35	
c-1,3-Dichloropropene	25.00	31.72	127	29.62	118	61-157	45-173	7	0-35	
c-1,2-Dichloroethene	25.00	28.83	115	26.79	107	50-150	33-167	7	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1332
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,085	**Air**	**GC/MS HH**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	28.20	113	26.37	105	50-150	33-167	7	0-35	
t-1,3-Dichloropropene	25.00	32.94	132	30.82	123	50-150	33-167	7	0-35	
Ethanol	100.0	110.0	110	97.35	97	50-150	33-167	12	0-35	
Ethyl Acetate	25.00	28.41	114	26.86	107	50-150	33-167	6	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	29.41	118	27.51	110	50-150	33-167	7	0-35	
Ethylbenzene	25.00	29.94	120	28.98	116	52-154	35-171	3	0-38	
4-Ethyltoluene	25.00	27.68	111	26.32	105	50-150	33-167	5	0-35	
Heptane	25.00	29.74	119	28.49	114	50-150	33-167	4	0-35	
Hexachloro-1,3-Butadiene	25.00	28.07	112	29.01	116	50-150	33-167	3	0-35	
Hexane	25.00	26.68	107	24.71	99	50-150	33-167	8	0-35	
2-Hexanone	25.00	25.86	103	25.34	101	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	28.95	116	27.19	109	50-150	33-167	6	0-35	
Methylene Chloride	25.00	23.90	96	22.40	90	50-150	33-167	6	0-35	
4-Methyl-2-Pentanone	25.00	27.26	109	25.81	103	50-150	33-167	5	0-35	
Naphthalene	25.00	25.08	100	24.66	99	40-190	15-215	2	0-35	
o-Xylene	25.00	29.84	119	28.82	115	52-148	36-164	3	0-38	
p/m-Xylene	50.00	60.95	122	58.62	117	42-156	23-175	4	0-41	
Propene	25.00	26.90	108	1.199	5	50-150	33-167	183	0-35	X
Styrene	25.00	28.05	112	26.99	108	50-150	33-167	4	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	30.33	121	28.87	115	50-150	33-167	5	0-35	
Tert-Butyl Alcohol (TBA)	50.00	52.39	105	47.28	95	50-150	33-167	10	0-35	
Tetrachloroethene	25.00	32.38	130	31.49	126	56-152	40-168	3	0-40	
Tetrahydrofuran	25.00	26.54	106	24.84	99	50-150	33-167	7	0-35	
Toluene	25.00	27.36	109	26.71	107	56-146	41-161	2	0-43	
Trichloroethene	25.00	30.54	122	28.51	114	63-159	47-175	7	0-34	
Trichlorofluoromethane	25.00	25.96	104	22.01	88	50-150	33-167	16	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	29.61	118	25.91	104	50-150	33-167	13	0-35	
1,1,1-Trichloroethane	25.00	31.16	125	28.94	116	50-150	33-167	7	0-35	
1,1,2-Trichloroethane	25.00	30.24	121	28.12	112	65-149	51-163	7	0-37	
1,2,3-Trichloropropane	25.00	27.03	108	26.10	104	50-150	33-167	3	0-35	
Acrolein	25.00	26.23	105	22.90	92	50-150	33-167	14	0-35	
Acrylonitrile	25.00	27.18	109	23.84	95	50-150	33-167	13	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1332
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,085	**Air**	**GC/MS HH**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	29.60	118	27.77	111	50-150	33-167	6	0-35	
Propane	50.00	56.56	113	49.87	100	50-150	33-167	13	0-35	
Butane	50.00	52.50	105	46.11	92	50-150	33-167	13	0-35	
Methanol	75.00	88.66	118	76.56	102	50-150	33-167	15	0-35	
2,2,4-Trimethyl Pentane	25.00	28.21	113	26.64	107	50-150	33-167	6	0-35	
Isobutane	50.00	54.05	108	47.87	96	50-150	33-167	12	0-35	
1,1,1,2-Tetrafluoroethane	25.00	28.03	112	26.35	105	50-150	33-167	6	0-35	
1,3,5-Trimethylbenzene	25.00	28.24	113	26.88	108	50-150	33-167	5	0-35	
1,1,2,2-Tetrachloroethane	25.00	26.49	106	25.56	102	50-150	33-167	4	0-35	
1,2,4-Trimethylbenzene	25.00	27.18	109	26.15	105	50-150	33-167	4	0-35	
1,2,4-Trichlorobenzene	25.00	27.66	111	27.34	109	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	26.64	107	24.95	100	50-150	33-167	7	0-35	
Vinyl Chloride	25.00	26.30	105	23.37	93	45-177	23-199	12	0-36	
1,1-Difluoroethane	25.00	27.92	112	26.14	105	50-150	33-167	7	0-35	
Isopropanol	25.00	26.45	106	22.88	92	50-150	33-167	14	0-35	
2-Chlorotoluene	25.00	28.86	115	27.56	110	50-150	33-167	5	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1332
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,084	**Air**	**GC/MS HH**	**N/A**	**05/21/12**	**120521L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	22.98	92	25.84	103	50-150	33-167	12	0-35	
n-Propylbenzene	25.00	22.01	88	25.11	100	50-150	33-167	13	0-35	
Acetone	25.00	21.74	87	23.81	95	50-150	33-167	9	0-35	
Benzene	25.00	23.12	92	25.42	102	60-156	44-172	9	0-40	
Benzyl Chloride	25.00	29.20	117	32.98	132	50-150	33-167	12	0-35	
Bromodichloromethane	25.00	25.88	104	28.15	113	50-150	33-167	8	0-35	
Bromoform	25.00	28.05	112	31.18	125	62-134	50-146	11	0-38	
Bromomethane	25.00	22.72	91	24.87	99	50-150	33-167	9	0-35	
1,3-Butadiene	25.00	22.02	88	24.26	97	50-150	33-167	10	0-35	
2-Butanone	25.00	21.25	85	23.44	94	50-150	33-167	10	0-35	
Carbon Disulfide	25.00	23.00	92	25.20	101	50-150	33-167	9	0-35	
Carbon Tetrachloride	25.00	27.94	112	30.29	121	64-154	49-169	8	0-32	
Chlorobenzene	25.00	24.06	96	26.38	106	50-150	33-167	9	0-35	
Chloroethane	25.00	22.65	91	25.11	100	50-150	33-167	10	0-35	
Chloroform	25.00	24.10	96	26.11	104	50-150	33-167	8	0-35	
Chloromethane	25.00	21.34	85	23.53	94	50-150	33-167	10	0-35	
Cyclohexane	25.00	22.57	90	24.70	99	50-150	33-167	9	0-35	
Dibromochloromethane	25.00	27.77	111	30.28	121	50-150	33-167	9	0-35	
Dichlorodifluoromethane	25.00	24.09	96	26.26	105	50-150	33-167	9	0-35	
Diisopropyl Ether (DIPE)	25.00	21.88	88	23.70	95	50-150	33-167	8	0-35	
1,1-Dichloroethane	25.00	22.98	92	25.20	101	50-150	33-167	9	0-35	
1,1-Dichloroethene	25.00	23.68	95	25.99	104	50-150	33-167	9	0-35	
1,2-Dibromoethane	25.00	25.61	102	28.13	113	54-144	39-159	9	0-36	
Dichlorotetrafluoroethane	25.00	22.90	92	25.14	101	50-150	33-167	9	0-35	
1,2-Dichlorobenzene	25.00	24.61	98	27.65	111	34-160	13-181	12	0-47	
1,2-Dichloroethane	25.00	24.66	99	26.81	107	69-153	55-167	8	0-35	
1,2-Dichloropropane	25.00	23.15	93	25.21	101	67-157	52-172	9	0-35	
1,3-Dichlorobenzene	25.00	24.49	98	27.69	111	50-150	33-167	12	0-35	
1,4-Dichlorobenzene	25.00	24.60	98	27.86	111	36-156	16-176	12	0-47	
1,4-Dioxane	25.00	21.87	87	24.49	98	50-150	33-167	11	0-35	
c-1,3-Dichloropropene	25.00	26.35	105	28.72	115	61-157	45-173	9	0-35	
c-1,2-Dichloroethene	25.00	23.26	93	25.35	101	50-150	33-167	9	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	N/A
Work Order No:	12-05-1332
Preparation:	N/A
Method:	EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,084	**Air**	**GC/MS HH**	**N/A**	**05/21/12**	**120521L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	22.91	92	25.22	101	50-150	33-167	10	0-35	
t-1,3-Dichloropropene	25.00	27.93	112	30.34	121	50-150	33-167	8	0-35	
Ethanol	100.0	87.74	88	98.71	99	50-150	33-167	12	0-35	
Ethyl Acetate	25.00	23.31	93	25.47	102	50-150	33-167	9	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	24.34	97	26.75	107	50-150	33-167	9	0-35	
Ethylbenzene	25.00	24.75	99	27.18	109	52-154	35-171	9	0-38	
4-Ethyltoluene	25.00	24.73	99	27.78	111	50-150	33-167	12	0-35	
Heptane	25.00	24.02	96	26.90	108	50-150	33-167	11	0-35	
Hexachloro-1,3-Butadiene	25.00	24.76	99	26.80	107	50-150	33-167	8	0-35	
Hexane	25.00	22.16	89	23.96	96	50-150	33-167	8	0-35	
2-Hexanone	25.00	21.92	88	23.71	95	50-150	33-167	8	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	23.54	94	26.00	104	50-150	33-167	10	0-35	
Methylene Chloride	25.00	22.67	91	24.91	100	50-150	33-167	9	0-35	
4-Methyl-2-Pentanone	25.00	22.52	90	24.29	97	50-150	33-167	8	0-35	
Naphthalene	25.00	22.17	89	24.76	99	40-190	15-215	11	0-35	
o-Xylene	25.00	25.06	100	27.84	111	52-148	36-164	10	0-38	
p/m-Xylene	50.00	51.37	103	56.37	113	42-156	23-175	9	0-41	
Propene	25.00	21.59	86	23.88	96	50-150	33-167	10	0-35	
Styrene	25.00	23.81	95	26.81	107	50-150	33-167	12	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	25.28	101	27.67	111	50-150	33-167	9	0-35	
Tert-Butyl Alcohol (TBA)	50.00	46.37	93	52.60	105	50-150	33-167	13	0-35	
Tetrachloroethene	25.00	26.93	108	29.19	117	56-152	40-168	8	0-40	
Tetrahydrofuran	25.00	21.50	86	23.37	93	50-150	33-167	8	0-35	
Toluene	25.00	22.50	90	24.59	98	56-146	41-161	9	0-43	
Trichloroethene	25.00	25.18	101	27.23	109	63-159	47-175	8	0-34	
Trichlorofluoromethane	25.00	24.38	98	26.80	107	50-150	33-167	9	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	24.76	99	27.08	108	50-150	33-167	9	0-35	
1,1,1-Trichloroethane	25.00	26.16	105	28.50	114	50-150	33-167	9	0-35	
1,1,2-Trichloroethane	25.00	24.47	98	26.72	107	65-149	51-163	9	0-37	
1,2,3-Trichloropropane	25.00	25.65	103	28.88	116	50-150	33-167	12	0-35	
Acrolein	25.00	23.21	93	25.37	101	50-150	33-167	9	0-35	
Acrylonitrile	25.00	25.38	102	27.72	111	50-150	33-167	9	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1332
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,084	**Air**	**GC/MS HH**	**N/A**	**05/21/12**	**120521L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	23.96	96	26.25	105	50-150	33-167	9	0-35	
Propane	50.00	46.68	93	51.17	102	50-150	33-167	9	0-35	
Butane	50.00	45.03	90	49.88	100	50-150	33-167	10	0-35	
Methanol	75.00	68.24	91	75.84	101	50-150	33-167	11	0-35	
2,2,4-Trimethyl Pentane	25.00	23.78	95	25.70	103	50-150	33-167	8	0-35	
Isobutane	50.00	46.11	92	50.80	102	50-150	33-167	10	0-35	
1,1,1,2-Tetrafluoroethane	25.00	22.78	91	25.25	101	50-150	33-167	10	0-35	
1,3,5-Trimethylbenzene	25.00	24.88	100	28.04	112	50-150	33-167	12	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.54	94	26.30	105	50-150	33-167	11	0-35	
1,2,4-Trimethylbenzene	25.00	24.69	99	27.84	111	50-150	33-167	12	0-35	
1,2,4-Trichlorobenzene	25.00	24.21	97	26.81	107	50-150	33-167	10	0-35	
Vinyl Acetate	25.00	22.01	88	24.05	96	50-150	33-167	9	0-35	
Vinyl Chloride	25.00	21.83	87	23.97	96	45-177	23-199	9	0-36	
1,1-Difluoroethane	25.00	22.67	91	24.97	100	50-150	33-167	10	0-35	
Isopropanol	25.00	21.86	87	24.67	99	50-150	33-167	12	0-35	
2-Chlorotoluene	25.00	26.17	105	29.42	118	50-150	33-167	12	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-05-1332**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_INF_GAC_051512	-1.00	-29.70	LC215	Summa Canister 1L
OC_SVE_MID_GAC_051512	-1.00	-29.70	LC124	Summa Canister 1L
OC_SVE_EFF_GAC_051512	-1.00	-29.70	LC294	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-05-1332

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 05/14/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (310) 926-5368 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 12-05-1332

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE)

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.3)				
1	OC_SVE_INF_GAC_051512	SP-INF-GAC	SV	1576	1L	NA	5/15/2012	0935	-29	5/15/2012	0938	-2	x				
2	OC_SVE_MID_GAC_051512	SP-MID-GAC	SV	1100	1L	NA	5/15/2012	0930	-30	5/15/2012	0933	-2	x				
3	OC_SVE_EFF_GAC_051512	SP-EFF-GAC	SV	1152	1L	NA	5/15/2012	0925	-30	5/15/2012	0928	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] CEL	5/17/12	1355
[signature]	[signature] CEL	5/17/12	1810

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-05-1332

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 05/17/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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:** DEE

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** DEE

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** [illegible]

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:** [illegible]

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-05-1333

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 05/30/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1333
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_051512 (12-05-1333-1)						
Acetone	**5.2**		2.7	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.3**		0.68	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.70**		0.68	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.70**		0.68	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**130**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**150**		2.0	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.1**		0.68	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**21**		0.68	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**7.9**		1.4	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**16**		2.1	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.97**		0.68	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-5S_051512 (12-05-1333-2)						
Chloroform	**15**		2.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**290**		2.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**58**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**350**		2.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**150**		2.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**16**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**29**		6.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-6S_051512 (12-05-1333-3)						
Acetone	**3.6**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**1.9**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**160**		5.6	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**330**		5.6	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**150**		5.6	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**14**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**36**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1333
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-8S_051512 (12-05-1333-4)						
1,1-Dichloroethene	**77**		20	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**48**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**19000**		400	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**120**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**230**		60	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**150**		20	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-9S_051512 (12-05-1333-5)						
Chloroform	**15**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**220**		4.0	ppb (v/v)	EPA TO-15	N/A
Hexane	**240**		16	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**960**		12	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**66**		4.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**38**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**160**		12	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-10S_051512 (12-05-1333-6)						
Chloroform	**11**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**370**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1000**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**89**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**17**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**64**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-11S_051512 (12-05-1333-7)						
Chloroform	**39**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**3.7**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**400**		2.5	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**15**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1600**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**190**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**68**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**260**		7.5	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**2.7**		2.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1333
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-12S_051512 (12-05-1333-8)						
Acetone	**5.4**		4.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**3.0**		1.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.1**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**62**		1.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**230**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**15**		1.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**28**		2.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**180**		3.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-14S_051512 (12-05-1333-9)						
Acetone	**6.6**		2.4	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.65**		0.59	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.62**		0.59	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**6.9**		0.59	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.5**		0.59	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**3.3**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5.0**		1.8	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.94**		0.59	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-15S_051512 (12-05-1333-10)						
Acetone	**7.8**		2.3	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.61**		0.57	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**28**		0.57	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**42**		0.57	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**29**		0.57	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**4.0**		1.1	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**9.0**		1.7	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1333
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_051512 (12-05-1333-1)						
Acetone	**12**		6.5	ug/m3	EPA TO-15	N/A
Benzene	**4.2**		2.2	ug/m3	EPA TO-15	N/A
Chloroform	**3.4**		3.3	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.5**		3.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**530**		7.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1000**		14	ug/m3	EPA TO-15	N/A
Toluene	**4.2**		2.6	ug/m3	EPA TO-15	N/A
Trichloroethene	**110**		3.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**44**		7.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**120**		16	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**5.3**		3.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE-5S_051512 (12-05-1333-2)						
Chloroform	**75**		9.8	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1200**		7.9	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**230**		8.1	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2300**		14	ug/m3	EPA TO-15	N/A
Trichloroethene	**810**		11	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**87**		22	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**220**		46	ug/m3	EPA TO-15	N/A
OC_SVE_VE-6S_051512 (12-05-1333-3)						
Acetone	**8.5**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**6.2**		2.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**7.7**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**620**		22	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2300**		38	ug/m3	EPA TO-15	N/A
Trichloroethene	**810**		30	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**80**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**270**		11	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**3.7**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**6.0**		2.7	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1333
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-8S_051512 (12-05-1333-4)						
1,1-Dichloroethene	**310**		79	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**200**		81	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**130000**		2700	ug/m3	EPA TO-15	N/A
Trichloroethene	**620**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1700**		460	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**830**		110	ug/m3	EPA TO-15	N/A
OC_SVE_VE-9S_051512 (12-05-1333-5)						
Chloroform	**75**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**860**		16	ug/m3	EPA TO-15	N/A
Hexane	**830**		56	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**6500**		85	ug/m3	EPA TO-15	N/A
Trichloroethene	**350**		21	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**210**		45	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1200**		92	ug/m3	EPA TO-15	N/A
OC_SVE_VE-10S_051512 (12-05-1333-6)						
Chloroform	**54**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1500**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**7000**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**480**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**97**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**490**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VE-11S_051512 (12-05-1333-7)						
Chloroform	**190**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**15**		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1600**		9.9	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**61**		10	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**11000**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**1000**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**380**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2000**		57	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**15**		14	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1333
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-12S_051512 (12-05-1333-8)						
Acetone	**13**		9.5	ug/m3	EPA TO-15	N/A
Chloroform	**15**		4.9	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**5.6**		4.9	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**250**		4.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1600**		54	ug/m3	EPA TO-15	N/A
Trichloroethene	**79**		5.4	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**160**		11	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1400**		23	ug/m3	EPA TO-15	N/A
OC_SVE_VE-14S_051512 (12-05-1333-9)						
Acetone	**16**		5.6	ug/m3	EPA TO-15	N/A
Chloroform	**3.2**		2.9	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**47**		4.0	ug/m3	EPA TO-15	N/A
Trichloroethene	**14**		3.2	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**18**		6.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**38**		14	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**5.1**		3.2	ug/m3	EPA TO-15	N/A
OC_SVE_VE-15S_051512 (12-05-1333-10)						
Acetone	**19**		5.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.8	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**110**		2.3	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**280**		3.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**150**		3.1	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**23**		6.4	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**69**		13	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 1 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1S_051512	**12-05-1333-1-A**	**05/15/12 09:43**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 21:24**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.2	2.7	1.37		t-1,2-Dichloroethene	ND	0.68	1.37	
Benzene	1.3	0.68	1.37		t-1,3-Dichloropropene	ND	1.4	1.37	
Benzyl Chloride	ND	2.1	1.37		Ethylbenzene	ND	0.68	1.37	
Bromodichloromethane	ND	0.68	1.37		4-Ethyltoluene	ND	0.68	1.37	
Bromoform	ND	0.68	1.37		Hexachloro-1,3-Butadiene	ND	2.1	1.37	
Bromomethane	ND	0.68	1.37		Hexane	ND	2.7	1.37	
2-Butanone	ND	2.1	1.37		2-Hexanone	ND	2.1	1.37	
Carbon Disulfide	ND	2.7	1.37		Methyl-t-Butyl Ether (MTBE)	ND	2.7	1.37	
Carbon Tetrachloride	ND	0.68	1.37		Methylene Chloride	ND	6.8	1.37	
Chlorobenzene	ND	0.68	1.37		4-Methyl-2-Pentanone	ND	2.1	1.37	
Chloroethane	ND	0.68	1.37		o-Xylene	ND	0.68	1.37	
Chloroform	0.70	0.68	1.37		p/m-Xylene	ND	2.7	1.37	
Chloromethane	ND	0.68	1.37		Styrene	ND	2.1	1.37	
Dibromochloromethane	ND	0.68	1.37		Tetrachloroethene	150	2.0	4	
Dichlorodifluoromethane	0.70	0.68	1.37		Toluene	1.1	0.68	1.37	
1,1-Dichloroethane	ND	0.68	1.37		Trichloroethene	21	0.68	1.37	
1,1-Dichloroethene	130	2.0	4		Trichlorofluoromethane	7.9	1.4	1.37	
1,2-Dibromoethane	ND	0.68	1.37		1,1,2-Trichloro-1,2,2-Trifluoroethane	16	2.1	1.37	
Dichlorotetrafluoroethane	ND	2.7	1.37		1,1,1-Trichloroethane	0.97	0.68	1.37	
1,2-Dichlorobenzene	ND	0.68	1.37		1,1,2-Trichloroethane	ND	0.68	1.37	
1,2-Dichloroethane	ND	0.68	1.37		1,3,5-Trimethylbenzene	ND	0.68	1.37	
1,2-Dichloropropane	ND	0.68	1.37		1,1,2,2-Tetrachloroethane	ND	1.4	1.37	
1,3-Dichlorobenzene	ND	0.68	1.37		1,2,4-Trimethylbenzene	ND	2.1	1.37	
1,4-Dichlorobenzene	ND	0.68	1.37		1,2,4-Trichlorobenzene	ND	2.7	1.37	
1,4-Dioxane	ND	14	1.37		Vinyl Acetate	ND	2.7	1.37	
c-1,3-Dichloropropene	ND	0.68	1.37		Vinyl Chloride	ND	0.68	1.37	
c-1,2-Dichloroethene	ND	0.68	1.37		Isopropanol	ND	6.8	1.37	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	116	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5S_051512	**12-05-1333-2-A**	**05/15/12 09:48**	**Air**	**GC/MS K**	**N/A**	**05/19/12 04:42**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	8.0	4		t-1,2-Dichloroethene	ND	2.0	4	
Benzene	ND	2.0	4		t-1,3-Dichloropropene	ND	4.0	4	
Benzyl Chloride	ND	6.0	4		Ethylbenzene	ND	2.0	4	
Bromodichloromethane	ND	2.0	4		4-Ethyltoluene	ND	2.0	4	
Bromoform	ND	2.0	4		Hexachloro-1,3-Butadiene	ND	6.0	4	
Bromomethane	ND	2.0	4		Hexane	ND	8.0	4	
2-Butanone	ND	6.0	4		2-Hexanone	ND	6.0	4	
Carbon Disulfide	ND	8.0	4		Methyl-t-Butyl Ether (MTBE)	ND	8.0	4	
Carbon Tetrachloride	ND	2.0	4		Methylene Chloride	ND	20	4	
Chlorobenzene	ND	2.0	4		4-Methyl-2-Pentanone	ND	6.0	4	
Chloroethane	ND	2.0	4		o-Xylene	ND	2.0	4	
Chloroform	15	2.0	4		p/m-Xylene	ND	8.0	4	
Chloromethane	ND	2.0	4		Styrene	ND	6.0	4	
Dibromochloromethane	ND	2.0	4		Tetrachloroethene	350	2.0	4	
Dichlorodifluoromethane	ND	2.0	4		Toluene	ND	2.0	4	
1,1-Dichloroethane	ND	2.0	4		Trichloroethene	150	2.0	4	
1,1-Dichloroethene	290	2.0	4		Trichlorofluoromethane	16	4.0	4	
1,2-Dibromoethane	ND	2.0	4		1,1,2-Trichloro-1,2,2-Trifluoroethane	29	6.0	4	
Dichlorotetrafluoroethane	ND	8.0	4		1,1,1-Trichloroethane	ND	2.0	4	
1,2-Dichlorobenzene	ND	2.0	4		1,1,2-Trichloroethane	ND	2.0	4	
1,2-Dichloroethane	58	2.0	4		1,3,5-Trimethylbenzene	ND	2.0	4	
1,2-Dichloropropane	ND	2.0	4		1,1,2,2-Tetrachloroethane	ND	4.0	4	
1,3-Dichlorobenzene	ND	2.0	4		1,2,4-Trimethylbenzene	ND	6.0	4	
1,4-Dichlorobenzene	ND	2.0	4		1,2,4-Trichlorobenzene	ND	8.0	4	
1,4-Dioxane	ND	40	4		Vinyl Acetate	ND	8.0	4	
c-1,3-Dichloropropene	ND	2.0	4		Vinyl Chloride	ND	2.0	4	
c-1,2-Dichloroethene	ND	2.0	4		Isopropanol	ND	20	4	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 3 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-6S_051512	**12-05-1333-3-A**	**05/15/12 09:53**	**Air**	**GC/MS K**	**N/A**	**05/19/12 05:35**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	3.6	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	1.3	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	330	5.6	11.3	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	1.9	0.50	1		Trichloroethene	150	5.6	11.3	
1,1-Dichloroethene	160	5.6	11.3		Trichlorofluoromethane	14	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	36	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	0.68	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	1.1	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-8S_051512	**12-05-1333-4-A**	**05/15/12 09:58**	**Air**	**GC/MS K**	**N/A**	**05/19/12 06:21**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	ND	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	19000	400	800	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	ND	20	40		Trichloroethene	120	20	40	
1,1-Dichloroethene	77	20	40		Trichlorofluoromethane	ND	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	230	60	40	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	150	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	48	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 5 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-9S_051512	**12-05-1333-5-A**	**05/15/12 10:03**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 22:10**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	16	8		t-1,2-Dichloroethene	ND	4.0	8	
Benzene	ND	4.0	8		t-1,3-Dichloropropene	ND	8.0	8	
Benzyl Chloride	ND	12	8		Ethylbenzene	ND	4.0	8	
Bromodichloromethane	ND	4.0	8		4-Ethyltoluene	ND	4.0	8	
Bromoform	ND	4.0	8		Hexachloro-1,3-Butadiene	ND	12	8	
Bromomethane	ND	4.0	8		Hexane	240	16	8	
2-Butanone	ND	12	8		2-Hexanone	ND	12	8	
Carbon Disulfide	ND	16	8		Methyl-t-Butyl Ether (MTBE)	ND	16	8	
Carbon Tetrachloride	ND	4.0	8		Methylene Chloride	ND	40	8	
Chlorobenzene	ND	4.0	8		4-Methyl-2-Pentanone	ND	12	8	
Chloroethane	ND	4.0	8		o-Xylene	ND	4.0	8	
Chloroform	15	4.0	8		p/m-Xylene	ND	16	8	
Chloromethane	ND	4.0	8		Styrene	ND	12	8	
Dibromochloromethane	ND	4.0	8		Tetrachloroethene	960	12	25	
Dichlorodifluoromethane	ND	4.0	8		Toluene	ND	4.0	8	
1,1-Dichloroethane	ND	4.0	8		Trichloroethene	66	4.0	8	
1,1-Dichloroethene	220	4.0	8		Trichlorofluoromethane	38	8.0	8	
1,2-Dibromoethane	ND	4.0	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	160	12	8	
Dichlorotetrafluoroethane	ND	16	8		1,1,1-Trichloroethane	ND	4.0	8	
1,2-Dichlorobenzene	ND	4.0	8		1,1,2-Trichloroethane	ND	4.0	8	
1,2-Dichloroethane	ND	4.0	8		1,3,5-Trimethylbenzene	ND	4.0	8	
1,2-Dichloropropane	ND	4.0	8		1,1,2,2-Tetrachloroethane	ND	8.0	8	
1,3-Dichlorobenzene	ND	4.0	8		1,2,4-Trimethylbenzene	ND	12	8	
1,4-Dichlorobenzene	ND	4.0	8		1,2,4-Trichlorobenzene	ND	16	8	
1,4-Dioxane	ND	80	8		Vinyl Acetate	ND	16	8	
c-1,3-Dichloropropene	ND	4.0	8		Vinyl Chloride	ND	4.0	8	
c-1,2-Dichloroethene	ND	4.0	8		Isopropanol	ND	40	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 6 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-10S_051512	**12-05-1333-6-A**	**05/15/12 10:08**	**Air**	**GC/MS K**	**N/A**	**05/19/12 07:54**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	11	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	1000	10	20	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	89	2.5	5	
1,1-Dichloroethene	370	2.5	5		Trichlorofluoromethane	17	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	64	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-11S_051512	**12-05-1333-7-A**	**05/15/12 10:13**	**Air**	**GC/MS K**	**N/A**	**05/19/12 08:40**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	39	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	1600	10	20	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	3.7	2.5	5		Trichloroethene	190	2.5	5	
1,1-Dichloroethene	400	2.5	5		Trichlorofluoromethane	68	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	260	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	2.7	2.5	5	
1,2-Dichloroethane	15	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-12S_051512	**12-05-1333-8-A**	**05/15/12 10:18**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 22:58**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.4	4.0	2		t-1,2-Dichloroethene	ND	1.0	2	
Benzene	ND	1.0	2		t-1,3-Dichloropropene	ND	2.0	2	
Benzyl Chloride	ND	3.0	2		Ethylbenzene	ND	1.0	2	
Bromodichloromethane	ND	1.0	2		4-Ethyltoluene	ND	1.0	2	
Bromoform	ND	1.0	2		Hexachloro-1,3-Butadiene	ND	3.0	2	
Bromomethane	ND	1.0	2		Hexane	ND	4.0	2	
2-Butanone	ND	3.0	2		2-Hexanone	ND	3.0	2	
Carbon Disulfide	ND	4.0	2		Methyl-t-Butyl Ether (MTBE)	ND	4.0	2	
Carbon Tetrachloride	ND	1.0	2		Methylene Chloride	ND	10	2	
Chlorobenzene	ND	1.0	2		4-Methyl-2-Pentanone	ND	3.0	2	
Chloroethane	ND	1.0	2		o-Xylene	ND	1.0	2	
Chloroform	3.0	1.0	2		p/m-Xylene	ND	4.0	2	
Chloromethane	ND	1.0	2		Styrene	ND	3.0	2	
Dibromochloromethane	ND	1.0	2		Tetrachloroethene	230	8.0	16	
Dichlorodifluoromethane	1.1	1.0	2		Toluene	ND	1.0	2	
1,1-Dichloroethane	ND	1.0	2		Trichloroethene	15	1.0	2	
1,1-Dichloroethene	62	1.0	2		Trichlorofluoromethane	28	2.0	2	
1,2-Dibromoethane	ND	1.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	180	3.0	2	
Dichlorotetrafluoroethane	ND	4.0	2		1,1,1-Trichloroethane	ND	1.0	2	
1,2-Dichlorobenzene	ND	1.0	2		1,1,2-Trichloroethane	ND	1.0	2	
1,2-Dichloroethane	ND	1.0	2		1,3,5-Trimethylbenzene	ND	1.0	2	
1,2-Dichloropropane	ND	1.0	2		1,1,2,2-Tetrachloroethane	ND	2.0	2	
1,3-Dichlorobenzene	ND	1.0	2		1,2,4-Trimethylbenzene	ND	3.0	2	
1,4-Dichlorobenzene	ND	1.0	2		1,2,4-Trichlorobenzene	ND	4.0	2	
1,4-Dioxane	ND	20	2		Vinyl Acetate	ND	4.0	2	
c-1,3-Dichloropropene	ND	1.0	2		Vinyl Chloride	ND	1.0	2	
c-1,2-Dichloroethene	ND	1.0	2		Isopropanol	ND	10	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	109	57-129		1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	109	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-14S_051512	**12-05-1333-9-A**	**05/15/12 10:23**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 23:53**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.6	2.4	1.18		t-1,2-Dichloroethene	ND	0.59	1.18	
Benzene	ND	0.59	1.18		t-1,3-Dichloropropene	ND	1.2	1.18	
Benzyl Chloride	ND	1.8	1.18		Ethylbenzene	ND	0.59	1.18	
Bromodichloromethane	ND	0.59	1.18		4-Ethyltoluene	ND	0.59	1.18	
Bromoform	ND	0.59	1.18		Hexachloro-1,3-Butadiene	ND	1.8	1.18	
Bromomethane	ND	0.59	1.18		Hexane	ND	2.4	1.18	
2-Butanone	ND	1.8	1.18		2-Hexanone	ND	1.8	1.18	
Carbon Disulfide	ND	2.4	1.18		Methyl-t-Butyl Ether (MTBE)	ND	2.4	1.18	
Carbon Tetrachloride	ND	0.59	1.18		Methylene Chloride	ND	5.9	1.18	
Chlorobenzene	ND	0.59	1.18		4-Methyl-2-Pentanone	ND	1.8	1.18	
Chloroethane	ND	0.59	1.18		o-Xylene	ND	0.59	1.18	
Chloroform	0.65	0.59	1.18		p/m-Xylene	ND	2.4	1.18	
Chloromethane	ND	0.59	1.18		Styrene	ND	1.8	1.18	
Dibromochloromethane	ND	0.59	1.18		Tetrachloroethene	6.9	0.59	1.18	
Dichlorodifluoromethane	0.62	0.59	1.18		Toluene	ND	0.59	1.18	
1,1-Dichloroethane	ND	0.59	1.18		Trichloroethene	2.5	0.59	1.18	
1,1-Dichloroethene	ND	0.59	1.18		Trichlorofluoromethane	3.3	1.2	1.18	
1,2-Dibromoethane	ND	0.59	1.18		1,1,2-Trichloro-1,2,2-Trifluoroethane	5.0	1.8	1.18	
Dichlorotetrafluoroethane	ND	2.4	1.18		1,1,1-Trichloroethane	0.94	0.59	1.18	
1,2-Dichlorobenzene	ND	0.59	1.18		1,1,2-Trichloroethane	ND	0.59	1.18	
1,2-Dichloroethane	ND	0.59	1.18		1,3,5-Trimethylbenzene	ND	0.59	1.18	
1,2-Dichloropropane	ND	0.59	1.18		1,1,2,2-Tetrachloroethane	ND	1.2	1.18	
1,3-Dichlorobenzene	ND	0.59	1.18		1,2,4-Trimethylbenzene	ND	1.8	1.18	
1,4-Dichlorobenzene	ND	0.59	1.18		1,2,4-Trichlorobenzene	ND	2.4	1.18	
1,4-Dioxane	ND	12	1.18		Vinyl Acetate	ND	2.4	1.18	
c-1,3-Dichloropropene	ND	0.59	1.18		Vinyl Chloride	ND	0.59	1.18	
c-1,2-Dichloroethene	ND	0.59	1.18		Isopropanol	ND	5.9	1.18	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 10 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-15S_051512	**12-05-1333-10-A**	**05/15/12 10:28**	**Air**	**GC/MS YY**	**N/A**	**05/20/12 00:49**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.8	2.3	1.14		t-1,2-Dichloroethene	ND	0.57	1.14	
Benzene	ND	0.57	1.14		t-1,3-Dichloropropene	ND	1.1	1.14	
Benzyl Chloride	ND	1.7	1.14		Ethylbenzene	ND	0.57	1.14	
Bromodichloromethane	ND	0.57	1.14		4-Ethyltoluene	ND	0.57	1.14	
Bromoform	ND	0.57	1.14		Hexachloro-1,3-Butadiene	ND	1.7	1.14	
Bromomethane	ND	0.57	1.14		Hexane	ND	2.3	1.14	
2-Butanone	ND	1.7	1.14		2-Hexanone	ND	1.7	1.14	
Carbon Disulfide	ND	2.3	1.14		Methyl-t-Butyl Ether (MTBE)	ND	2.3	1.14	
Carbon Tetrachloride	ND	0.57	1.14		Methylene Chloride	ND	5.7	1.14	
Chlorobenzene	ND	0.57	1.14		4-Methyl-2-Pentanone	ND	1.7	1.14	
Chloroethane	ND	0.57	1.14		o-Xylene	ND	0.57	1.14	
Chloroform	ND	0.57	1.14		p/m-Xylene	ND	2.3	1.14	
Chloromethane	ND	0.57	1.14		Styrene	ND	1.7	1.14	
Dibromochloromethane	ND	0.57	1.14		Tetrachloroethene	42	0.57	1.14	
Dichlorodifluoromethane	0.61	0.57	1.14		Toluene	ND	0.57	1.14	
1,1-Dichloroethane	ND	0.57	1.14		Trichloroethene	29	0.57	1.14	
1,1-Dichloroethene	28	0.57	1.14		Trichlorofluoromethane	4.0	1.1	1.14	
1,2-Dibromoethane	ND	0.57	1.14		1,1,2-Trichloro-1,2,2-Trifluoroethane	9.0	1.7	1.14	
Dichlorotetrafluoroethane	ND	2.3	1.14		1,1,1-Trichloroethane	ND	0.57	1.14	
1,2-Dichlorobenzene	ND	0.57	1.14		1,1,2-Trichloroethane	ND	0.57	1.14	
1,2-Dichloroethane	ND	0.57	1.14		1,3,5-Trimethylbenzene	ND	0.57	1.14	
1,2-Dichloropropane	ND	0.57	1.14		1,1,2,2-Tetrachloroethane	ND	1.1	1.14	
1,3-Dichlorobenzene	ND	0.57	1.14		1,2,4-Trimethylbenzene	ND	1.7	1.14	
1,4-Dichlorobenzene	ND	0.57	1.14		1,2,4-Trichlorobenzene	ND	2.3	1.14	
1,4-Dioxane	ND	11	1.14		Vinyl Acetate	ND	2.3	1.14	
c-1,3-Dichloropropene	ND	0.57	1.14		Vinyl Chloride	ND	0.57	1.14	
c-1,2-Dichloroethene	ND	0.57	1.14		Isopropanol	ND	5.7	1.14	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,077**	**N/A**	**Air**	**GC/MS K**	**N/A**	**05/18/12 17:36**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 12 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,079**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 13:34**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,081**	**N/A**	**Air**	**GC/MS K**	**N/A**	**05/19/12 17:08**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1S_051512	**12-05-1333-1-A**	**05/15/12 09:43**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 21:24**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	6.5	1.37		t-1,2-Dichloroethene	ND	2.7	1.37	
Benzene	4.2	2.2	1.37		t-1,3-Dichloropropene	ND	6.2	1.37	
Benzyl Chloride	ND	11	1.37		Ethylbenzene	ND	3.0	1.37	
Bromodichloromethane	ND	4.6	1.37		4-Ethyltoluene	ND	3.4	1.37	
Bromoform	ND	7.1	1.37		Hexachloro-1,3-Butadiene	ND	22	1.37	
Bromomethane	ND	2.7	1.37		Hexane	ND	9.7	1.37	
2-Butanone	ND	6.1	1.37		2-Hexanone	ND	8.4	1.37	
Carbon Disulfide	ND	8.5	1.37		Methyl-t-Butyl Ether (MTBE)	ND	9.9	1.37	
Carbon Tetrachloride	ND	4.3	1.37		Methylene Chloride	ND	24	1.37	
Chlorobenzene	ND	3.2	1.37		4-Methyl-2-Pentanone	ND	8.4	1.37	
Chloroethane	ND	1.8	1.37		o-Xylene	ND	3.0	1.37	
Chloroform	3.4	3.3	1.37		p/m-Xylene	ND	12	1.37	
Chloromethane	ND	1.4	1.37		Styrene	ND	8.8	1.37	
Dibromochloromethane	ND	5.8	1.37		Tetrachloroethene	1000	14	4	
Dichlorodifluoromethane	3.5	3.4	1.37		Toluene	4.2	2.6	1.37	
1,1-Dichloroethane	ND	2.8	1.37		Trichloroethene	110	3.7	1.37	
1,1-Dichloroethene	530	7.9	4		Trichlorofluoromethane	44	7.7	1.37	
1,2-Dibromoethane	ND	5.3	1.37		1,1,2-Trichloro-1,2,2-Trifluoroethane	120	16	1.37	
Dichlorotetrafluoroethane	ND	19	1.37		1,1,1-Trichloroethane	5.3	3.7	1.37	
1,2-Dichlorobenzene	ND	4.1	1.37		1,1,2-Trichloroethane	ND	3.7	1.37	
1,2-Dichloroethane	ND	2.8	1.37		1,3,5-Trimethylbenzene	ND	3.4	1.37	
1,2-Dichloropropane	ND	3.2	1.37		1,1,2,2-Tetrachloroethane	ND	9.4	1.37	
1,3-Dichlorobenzene	ND	4.1	1.37		1,2,4-Trimethylbenzene	ND	10	1.37	
1,4-Dichlorobenzene	ND	4.1	1.37		1,2,4-Trichlorobenzene	ND	20	1.37	
1,4-Dioxane	ND	49	1.37		Vinyl Acetate	ND	9.6	1.37	
c-1,3-Dichloropropene	ND	3.1	1.37		Vinyl Chloride	ND	1.8	1.37	
c-1,2-Dichloroethene	ND	2.7	1.37		Isopropanol	ND	17	1.37	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	116	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5S_051512	**12-05-1333-2-A**	**05/15/12 09:48**	**Air**	**GC/MS K**	**N/A**	**05/19/12 04:42**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	19	4		t-1,2-Dichloroethene	ND	7.9	4	
Benzene	ND	6.4	4		t-1,3-Dichloropropene	ND	18	4	
Benzyl Chloride	ND	31	4		Ethylbenzene	ND	8.7	4	
Bromodichloromethane	ND	13	4		4-Ethyltoluene	ND	9.8	4	
Bromoform	ND	21	4		Hexachloro-1,3-Butadiene	ND	64	4	
Bromomethane	ND	7.8	4		Hexane	ND	28	4	
2-Butanone	ND	18	4		2-Hexanone	ND	25	4	
Carbon Disulfide	ND	25	4		Methyl-t-Butyl Ether (MTBE)	ND	29	4	
Carbon Tetrachloride	ND	13	4		Methylene Chloride	ND	69	4	
Chlorobenzene	ND	9.2	4		4-Methyl-2-Pentanone	ND	25	4	
Chloroethane	ND	5.3	4		o-Xylene	ND	8.7	4	
Chloroform	75	9.8	4		p/m-Xylene	ND	35	4	
Chloromethane	ND	4.1	4		Styrene	ND	26	4	
Dibromochloromethane	ND	17	4		Tetrachloroethene	2300	14	4	
Dichlorodifluoromethane	ND	9.9	4		Toluene	ND	7.5	4	
1,1-Dichloroethane	ND	8.1	4		Trichloroethene	810	11	4	
1,1-Dichloroethene	1200	7.9	4		Trichlorofluoromethane	87	22	4	
1,2-Dibromoethane	ND	15	4		1,1,2-Trichloro-1,2,2-Trifluoroethane	220	46	4	
Dichlorotetrafluoroethane	ND	56	4		1,1,1-Trichloroethane	ND	11	4	
1,2-Dichlorobenzene	ND	12	4		1,1,2-Trichloroethane	ND	11	4	
1,2-Dichloroethane	230	8.1	4		1,3,5-Trimethylbenzene	ND	9.8	4	
1,2-Dichloropropane	ND	9.2	4		1,1,2,2-Tetrachloroethane	ND	27	4	
1,3-Dichlorobenzene	ND	12	4		1,2,4-Trimethylbenzene	ND	29	4	
1,4-Dichlorobenzene	ND	12	4		1,2,4-Trichlorobenzene	ND	59	4	
1,4-Dioxane	ND	140	4		Vinyl Acetate	ND	28	4	
c-1,3-Dichloropropene	ND	9.1	4		Vinyl Chloride	ND	5.1	4	
c-1,2-Dichloroethene	ND	7.9	4		Isopropanol	ND	49	4	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-6S_051512	**12-05-1333-3-A**	**05/15/12 09:53**	**Air**	**GC/MS K**	**N/A**	**05/19/12 05:35**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.5	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	6.2	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2300	38	11.3	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	7.7	2.0	1		Trichloroethene	810	30	11.3	
1,1-Dichloroethene	620	22	11.3		Trichlorofluoromethane	80	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	270	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	3.7	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	6.0	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-8S_051512	**12-05-1333-4-A**	**05/15/12 09:58**	**Air**	**GC/MS K**	**N/A**	**05/19/12 06:21**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	ND	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	130000	2700	800	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	ND	81	40		Trichloroethene	620	110	40	
1,1-Dichloroethene	310	79	40		Trichlorofluoromethane	ND	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	1700	460	40	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	830	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	200	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-9S_051512	**12-05-1333-5-A**	**05/15/12 10:03**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 22:10**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	38	8		t-1,2-Dichloroethene	ND	16	8	
Benzene	ND	13	8		t-1,3-Dichloropropene	ND	36	8	
Benzyl Chloride	ND	62	8		Ethylbenzene	ND	17	8	
Bromodichloromethane	ND	27	8		4-Ethyltoluene	ND	20	8	
Bromoform	ND	41	8		Hexachloro-1,3-Butadiene	ND	130	8	
Bromomethane	ND	16	8		Hexane	830	56	8	
2-Butanone	ND	35	8		2-Hexanone	ND	49	8	
Carbon Disulfide	ND	50	8		Methyl-t-Butyl Ether (MTBE)	ND	58	8	
Carbon Tetrachloride	ND	25	8		Methylene Chloride	ND	140	8	
Chlorobenzene	ND	18	8		4-Methyl-2-Pentanone	ND	49	8	
Chloroethane	ND	11	8		o-Xylene	ND	17	8	
Chloroform	75	20	8		p/m-Xylene	ND	69	8	
Chloromethane	ND	8.3	8		Styrene	ND	51	8	
Dibromochloromethane	ND	34	8		Tetrachloroethene	6500	85	25	
Dichlorodifluoromethane	ND	20	8		Toluene	ND	15	8	
1,1-Dichloroethane	ND	16	8		Trichloroethene	350	21	8	
1,1-Dichloroethene	860	16	8		Trichlorofluoromethane	210	45	8	
1,2-Dibromoethane	ND	31	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	1200	92	8	
Dichlorotetrafluoroethane	ND	110	8		1,1,1-Trichloroethane	ND	22	8	
1,2-Dichlorobenzene	ND	24	8		1,1,2-Trichloroethane	ND	22	8	
1,2-Dichloroethane	ND	16	8		1,3,5-Trimethylbenzene	ND	20	8	
1,2-Dichloropropane	ND	18	8		1,1,2,2-Tetrachloroethane	ND	55	8	
1,3-Dichlorobenzene	ND	24	8		1,2,4-Trimethylbenzene	ND	59	8	
1,4-Dichlorobenzene	ND	24	8		1,2,4-Trichlorobenzene	ND	120	8	
1,4-Dioxane	ND	290	8		Vinyl Acetate	ND	56	8	
c-1,3-Dichloropropene	ND	18	8		Vinyl Chloride	ND	10	8	
c-1,2-Dichloroethene	ND	16	8		Isopropanol	ND	98	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-10S_051512	**12-05-1333-6-A**	**05/15/12 10:08**	**Air**	**GC/MS K**	**N/A**	**05/19/12 07:54**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	54	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	7000	68	20	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	480	13	5	
1,1-Dichloroethene	1500	9.9	5		Trichlorofluoromethane	97	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	490	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-11S_051512	**12-05-1333-7-A**	**05/15/12 10:13**	**Air**	**GC/MS K**	**N/A**	**05/19/12 08:40**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	190	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	11000	68	20	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	15	10	5		Trichloroethene	1000	13	5	
1,1-Dichloroethene	1600	9.9	5		Trichlorofluoromethane	380	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	2000	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	15	14	5	
1,2-Dichloroethane	61	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-12S_051512	**12-05-1333-8-A**	**05/15/12 10:18**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 22:58**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	13	9.5	2		t-1,2-Dichloroethene	ND	4.0	2	
Benzene	ND	3.2	2		t-1,3-Dichloropropene	ND	9.1	2	
Benzyl Chloride	ND	16	2		Ethylbenzene	ND	4.3	2	
Bromodichloromethane	ND	6.7	2		4-Ethyltoluene	ND	4.9	2	
Bromoform	ND	10	2		Hexachloro-1,3-Butadiene	ND	32	2	
Bromomethane	ND	3.9	2		Hexane	ND	14	2	
2-Butanone	ND	8.8	2		2-Hexanone	ND	12	2	
Carbon Disulfide	ND	12	2		Methyl-t-Butyl Ether (MTBE)	ND	14	2	
Carbon Tetrachloride	ND	6.3	2		Methylene Chloride	ND	35	2	
Chlorobenzene	ND	4.6	2		4-Methyl-2-Pentanone	ND	12	2	
Chloroethane	ND	2.6	2		o-Xylene	ND	4.3	2	
Chloroform	15	4.9	2		p/m-Xylene	ND	17	2	
Chloromethane	ND	2.1	2		Styrene	ND	13	2	
Dibromochloromethane	ND	8.5	2		Tetrachloroethene	1600	54	16	
Dichlorodifluoromethane	5.6	4.9	2		Toluene	ND	3.8	2	
1,1-Dichloroethane	ND	4.0	2		Trichloroethene	79	5.4	2	
1,1-Dichloroethene	250	4.0	2		Trichlorofluoromethane	160	11	2	
1,2-Dibromoethane	ND	7.7	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	23	2	
Dichlorotetrafluoroethane	ND	28	2		1,1,1-Trichloroethane	ND	5.5	2	
1,2-Dichlorobenzene	ND	6.0	2		1,1,2-Trichloroethane	ND	5.5	2	
1,2-Dichloroethane	ND	4.0	2		1,3,5-Trimethylbenzene	ND	4.9	2	
1,2-Dichloropropane	ND	4.6	2		1,1,2,2-Tetrachloroethane	ND	14	2	
1,3-Dichlorobenzene	ND	6.0	2		1,2,4-Trimethylbenzene	ND	15	2	
1,4-Dichlorobenzene	ND	6.0	2		1,2,4-Trichlorobenzene	ND	30	2	
1,4-Dioxane	ND	72	2		Vinyl Acetate	ND	14	2	
c-1,3-Dichloropropene	ND	4.5	2		Vinyl Chloride	ND	2.6	2	
c-1,2-Dichloroethene	ND	4.0	2		Isopropanol	ND	25	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	109	57-129		1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	109	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 9 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-14S_051512	**12-05-1333-9-A**	**05/15/12 10:23**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 23:53**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	5.6	1.18		t-1,2-Dichloroethene	ND	2.3	1.18	
Benzene	ND	1.9	1.18		t-1,3-Dichloropropene	ND	5.4	1.18	
Benzyl Chloride	ND	9.2	1.18		Ethylbenzene	ND	2.6	1.18	
Bromodichloromethane	ND	4.0	1.18		4-Ethyltoluene	ND	2.9	1.18	
Bromoform	ND	6.1	1.18		Hexachloro-1,3-Butadiene	ND	19	1.18	
Bromomethane	ND	2.3	1.18		Hexane	ND	8.3	1.18	
2-Butanone	ND	5.2	1.18		2-Hexanone	ND	7.3	1.18	
Carbon Disulfide	ND	7.3	1.18		Methyl-t-Butyl Ether (MTBE)	ND	8.5	1.18	
Carbon Tetrachloride	ND	3.7	1.18		Methylene Chloride	ND	20	1.18	
Chlorobenzene	ND	2.7	1.18		4-Methyl-2-Pentanone	ND	7.3	1.18	
Chloroethane	ND	1.6	1.18		o-Xylene	ND	2.6	1.18	
Chloroform	3.2	2.9	1.18		p/m-Xylene	ND	10	1.18	
Chloromethane	ND	1.2	1.18		Styrene	ND	7.5	1.18	
Dibromochloromethane	ND	5.0	1.18		Tetrachloroethene	47	4.0	1.18	
Dichlorodifluoromethane	3.1	2.9	1.18		Toluene	ND	2.2	1.18	
1,1-Dichloroethane	ND	2.4	1.18		Trichloroethene	14	3.2	1.18	
1,1-Dichloroethene	ND	2.3	1.18		Trichlorofluoromethane	18	6.6	1.18	
1,2-Dibromoethane	ND	4.5	1.18		1,1,2-Trichloro-1,2,2-Trifluoroethane	38	14	1.18	
Dichlorotetrafluoroethane	ND	16	1.18		1,1,1-Trichloroethane	5.1	3.2	1.18	
1,2-Dichlorobenzene	ND	3.5	1.18		1,1,2-Trichloroethane	ND	3.2	1.18	
1,2-Dichloroethane	ND	2.4	1.18		1,3,5-Trimethylbenzene	ND	2.9	1.18	
1,2-Dichloropropane	ND	2.7	1.18		1,1,2,2-Tetrachloroethane	ND	8.1	1.18	
1,3-Dichlorobenzene	ND	3.5	1.18		1,2,4-Trimethylbenzene	ND	8.7	1.18	
1,4-Dichlorobenzene	ND	3.5	1.18		1,2,4-Trichlorobenzene	ND	18	1.18	
1,4-Dioxane	ND	43	1.18		Vinyl Acetate	ND	8.3	1.18	
c-1,3-Dichloropropene	ND	2.7	1.18		Vinyl Chloride	ND	1.5	1.18	
c-1,2-Dichloroethene	ND	2.3	1.18		Isopropanol	ND	15	1.18	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-15S_051512	**12-05-1333-10-A**	**05/15/12 10:28**	**Air**	**GC/MS YY**	**N/A**	**05/20/12 00:49**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	5.4	1.14		t-1,2-Dichloroethene	ND	2.3	1.14	
Benzene	ND	1.8	1.14		t-1,3-Dichloropropene	ND	5.2	1.14	
Benzyl Chloride	ND	8.9	1.14		Ethylbenzene	ND	2.5	1.14	
Bromodichloromethane	ND	3.8	1.14		4-Ethyltoluene	ND	2.8	1.14	
Bromoform	ND	5.9	1.14		Hexachloro-1,3-Butadiene	ND	18	1.14	
Bromomethane	ND	2.2	1.14		Hexane	ND	8.0	1.14	
2-Butanone	ND	5.0	1.14		2-Hexanone	ND	7.0	1.14	
Carbon Disulfide	ND	7.1	1.14		Methyl-t-Butyl Ether (MTBE)	ND	8.2	1.14	
Carbon Tetrachloride	ND	3.6	1.14		Methylene Chloride	ND	20	1.14	
Chlorobenzene	ND	2.6	1.14		4-Methyl-2-Pentanone	ND	7.0	1.14	
Chloroethane	ND	1.5	1.14		o-Xylene	ND	2.5	1.14	
Chloroform	ND	2.8	1.14		p/m-Xylene	ND	9.9	1.14	
Chloromethane	ND	1.2	1.14		Styrene	ND	7.3	1.14	
Dibromochloromethane	ND	4.9	1.14		Tetrachloroethene	280	3.9	1.14	
Dichlorodifluoromethane	3.0	2.8	1.14		Toluene	ND	2.1	1.14	
1,1-Dichloroethane	ND	2.3	1.14		Trichloroethene	150	3.1	1.14	
1,1-Dichloroethene	110	2.3	1.14		Trichlorofluoromethane	23	6.4	1.14	
1,2-Dibromoethane	ND	4.4	1.14		1,1,2-Trichloro-1,2,2-Trifluoroethane	69	13	1.14	
Dichlorotetrafluoroethane	ND	16	1.14		1,1,1-Trichloroethane	ND	3.1	1.14	
1,2-Dichlorobenzene	ND	3.4	1.14		1,1,2-Trichloroethane	ND	3.1	1.14	
1,2-Dichloroethane	ND	2.3	1.14		1,3,5-Trimethylbenzene	ND	2.8	1.14	
1,2-Dichloropropane	ND	2.6	1.14		1,1,2,2-Tetrachloroethane	ND	7.8	1.14	
1,3-Dichlorobenzene	ND	3.4	1.14		1,2,4-Trimethylbenzene	ND	8.4	1.14	
1,4-Dichlorobenzene	ND	3.4	1.14		1,2,4-Trichlorobenzene	ND	17	1.14	
1,4-Dioxane	ND	41	1.14		Vinyl Acetate	ND	8.0	1.14	
c-1,3-Dichloropropene	ND	2.6	1.14		Vinyl Chloride	ND	1.5	1.14	
c-1,2-Dichloroethene	ND	2.3	1.14		Isopropanol	ND	14	1.14	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,077**	**N/A**	**Air**	**GC/MS K**	**N/A**	**05/18/12 17:36**	**120518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,079**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**05/19/12 13:34**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,081**	**N/A**	**Air**	**GC/MS K**	**N/A**	**05/19/12 17:08**	**120519L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,077	**Air**	**GC/MS K**	**N/A**	**05/18/12**	**120518L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	26.10	104	26.28	105	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	25.93	104	26.14	105	50-150	33-167	1	0-35	
Acetone	25.00	24.64	99	23.64	95	50-150	33-167	4	0-35	
Benzene	25.00	24.37	97	26.03	104	60-156	44-172	7	0-40	
Benzyl Chloride	25.00	29.15	117	29.39	118	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	26.65	107	28.06	112	50-150	33-167	5	0-35	
Bromoform	25.00	27.91	112	28.10	112	62-134	50-146	1	0-38	
Bromomethane	25.00	26.58	106	25.68	103	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	26.70	107	26.05	104	50-150	33-167	2	0-35	
2-Butanone	25.00	25.53	102	25.92	104	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	27.09	108	33.00	132	50-150	33-167	20	0-35	
Carbon Tetrachloride	25.00	27.15	109	28.44	114	64-154	49-169	5	0-32	
Chlorobenzene	25.00	25.16	101	25.60	102	50-150	33-167	2	0-35	
Chloroethane	25.00	27.38	110	26.48	106	50-150	33-167	3	0-35	
Chloroform	25.00	24.87	99	24.67	99	50-150	33-167	1	0-35	
Chloromethane	25.00	25.84	103	24.92	100	50-150	33-167	4	0-35	
Cyclohexane	25.00	24.72	99	26.43	106	50-150	33-167	7	0-35	
Dibromochloromethane	25.00	27.52	110	27.85	111	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	27.28	109	25.17	101	50-150	33-167	8	0-35	
Diisopropyl Ether (DIPE)	25.00	22.45	90	22.72	91	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	25.23	101	25.45	102	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	26.39	106	25.53	102	50-150	33-167	3	0-35	
1,2-Dibromoethane	25.00	26.50	106	26.97	108	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	26.01	104	25.13	101	50-150	33-167	3	0-35	
1,2-Dichlorobenzene	25.00	24.76	99	24.66	99	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	25.87	103	25.49	102	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	24.27	97	26.11	104	67-157	52-172	7	0-35	
1,3-Dichlorobenzene	25.00	24.60	98	24.86	99	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	24.54	98	24.53	98	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	25.94	104	27.94	112	50-150	33-167	7	0-35	
c-1,3-Dichloropropene	25.00	28.63	115	30.37	121	61-157	45-173	6	0-35	
c-1,2-Dichloroethene	25.00	25.06	100	24.97	100	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,077	**Air**	**GC/MS K**	**N/A**	**05/18/12**	**120518L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	25.51	102	25.98	104	50-150	33-167	2	0-35	
t-1,3-Dichloropropene	25.00	30.75	123	32.55	130	50-150	33-167	6	0-35	
Ethanol	100.0	104.8	105	103.4	103	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	26.08	104	26.13	105	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	18.88	76	19.99	80	50-150	33-167	6	0-35	
Ethylbenzene	25.00	26.08	104	26.41	106	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	25.68	103	25.87	103	50-150	33-167	1	0-35	
Heptane	25.00	25.18	101	27.29	109	50-150	33-167	8	0-35	
Hexachloro-1,3-Butadiene	25.00	25.40	102	25.21	101	50-150	33-167	1	0-35	
Hexane	25.00	24.79	99	24.71	99	50-150	33-167	0	0-35	
2-Hexanone	25.00	26.44	106	27.01	108	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	19.61	78	21.05	84	50-150	33-167	7	0-35	
Methylene Chloride	25.00	25.01	100	24.52	98	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	25.70	103	27.38	110	50-150	33-167	6	0-35	
Naphthalene	25.00	26.28	105	26.32	105	40-190	15-215	0	0-35	
o-Xylene	25.00	25.96	104	26.17	105	52-148	36-164	1	0-38	
p/m-Xylene	50.00	52.24	104	52.84	106	42-156	23-175	1	0-41	
Propene	25.00	27.86	111	26.15	105	50-150	33-167	6	0-35	
Styrene	25.00	26.57	106	26.95	108	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	20.04	80	22.14	89	50-150	33-167	10	0-35	
Tert-Butyl Alcohol (TBA)	50.00	43.62	87	43.61	87	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	25.37	101	25.60	102	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	25.06	100	25.11	100	50-150	33-167	0	0-35	
Toluene	25.00	24.81	99	25.42	102	56-146	41-161	2	0-43	
Trichloroethene	25.00	25.27	101	26.58	106	63-159	47-175	5	0-34	
Trichlorofluoromethane	25.00	26.56	106	25.56	102	50-150	33-167	4	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	26.66	107	33.00	132	50-150	33-167	21	0-35	
1,1,1-Trichloroethane	25.00	26.48	106	25.97	104	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	25.24	101	26.83	107	65-149	51-163	6	0-37	
1,2,3-Trichloropropane	25.00	25.26	101	25.49	102	50-150	33-167	1	0-35	
Acrolein	25.00	26.46	106	25.89	104	50-150	33-167	2	0-35	
Acrylonitrile	25.00	27.17	109	26.44	106	50-150	33-167	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

de maximis, inc.		Date Received:	N/A
1322 Scott Street, Suite 104		Work Order No:	12-05-1333
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,077	**Air**	**GC/MS K**	**N/A**	**05/18/12**	**120518L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	26.35	105	27.96	112	50-150	33-167	6	0-35	
Propane	50.00	58.94	118	52.58	105	50-150	33-167	11	0-35	
Butane	50.00	52.44	105	51.04	102	50-150	33-167	3	0-35	
Methanol	75.00	77.88	104	78.38	105	50-150	33-167	1	0-35	
2,2,4-Trimethyl Pentane	25.00	24.59	98	26.23	105	50-150	33-167	6	0-35	
Isobutane	50.00	52.59	105	51.06	102	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.74	103	25.48	102	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	25.42	102	25.54	102	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	24.72	99	24.98	100	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	26.06	104	26.10	104	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	27.03	108	26.96	108	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	25.58	102	26.13	105	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	26.60	106	25.75	103	45-177	23-199	3	0-36	
1,1-Difluoroethane	25.00	26.02	104	25.56	102	50-150	33-167	2	0-35	
Isopropanol	25.00	25.19	101	24.44	98	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	25.54	102	25.67	103	50-150	33-167	0	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,081	**Air**	**GC/MS K**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	27.95	112	24.33	97	50-150	33-167	14	0-35	
n-Propylbenzene	25.00	27.38	110	24.04	96	50-150	33-167	13	0-35	
Acetone	25.00	27.36	109	24.43	98	50-150	33-167	11	0-35	
Benzene	25.00	26.49	106	24.33	97	60-156	44-172	9	0-40	
Benzyl Chloride	25.00	27.90	112	24.92	100	50-150	33-167	11	0-35	
Bromodichloromethane	25.00	30.53	122	27.50	110	50-150	33-167	10	0-35	
Bromoform	25.00	30.85	123	26.88	108	62-134	50-146	14	0-38	
Bromomethane	25.00	33.05	132	28.94	116	50-150	33-167	13	0-35	
1,3-Butadiene	25.00	29.55	118	26.04	104	50-150	33-167	13	0-35	
2-Butanone	25.00	27.27	109	25.10	100	50-150	33-167	8	0-35	
Carbon Disulfide	25.00	38.16	153	34.07	136	50-150	33-167	11	0-35	ME
Carbon Tetrachloride	25.00	32.40	130	28.81	115	64-154	49-169	12	0-32	
Chlorobenzene	25.00	27.63	111	24.34	97	50-150	33-167	13	0-35	
Chloroethane	25.00	34.04	136	29.90	120	50-150	33-167	13	0-35	
Chloroform	25.00	27.45	110	25.14	101	50-150	33-167	9	0-35	
Chloromethane	25.00	32.04	128	27.87	111	50-150	33-167	14	0-35	
Cyclohexane	25.00	26.85	107	24.73	99	50-150	33-167	8	0-35	
Dibromochloromethane	25.00	31.43	126	27.20	109	50-150	33-167	14	0-35	
Dichlorodifluoromethane	25.00	30.98	124	27.07	108	50-150	33-167	13	0-35	
Diisopropyl Ether (DIPE)	25.00	19.83	79	19.42	78	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	27.11	108	25.33	101	50-150	33-167	7	0-35	
1,1-Dichloroethene	25.00	29.96	120	26.53	106	50-150	33-167	12	0-35	
1,2-Dibromoethane	25.00	29.76	119	26.06	104	54-144	39-159	13	0-36	
Dichlorotetrafluoroethane	25.00	27.27	109	23.81	95	50-150	33-167	14	0-35	
1,2-Dichlorobenzene	25.00	26.32	105	23.11	92	34-160	13-181	13	0-47	
1,2-Dichloroethane	25.00	29.64	119	26.54	106	69-153	55-167	11	0-35	
1,2-Dichloropropane	25.00	26.54	106	24.73	99	67-157	52-172	7	0-35	
1,3-Dichlorobenzene	25.00	26.57	106	23.24	93	50-150	33-167	13	0-35	
1,4-Dichlorobenzene	25.00	26.57	106	23.38	94	36-156	16-176	13	0-47	
1,4-Dioxane	25.00	25.09	100	23.05	92	50-150	33-167	8	0-35	
c-1,3-Dichloropropene	25.00	31.89	128	29.21	117	61-157	45-173	9	0-35	
c-1,2-Dichloroethene	25.00	26.63	107	24.89	100	50-150	33-167	7	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,081	**Air**	**GC/MS K**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	26.55	106	24.59	98	50-150	33-167	8	0-35	
t-1,3-Dichloropropene	25.00	37.35	149	33.82	135	50-150	33-167	10	0-35	
Ethanol	100.0	83.11	83	72.98	73	50-150	33-167	13	0-35	
Ethyl Acetate	25.00	26.71	107	25.08	100	50-150	33-167	6	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	14.45	58	14.31	57	50-150	33-167	1	0-35	
Ethylbenzene	25.00	28.61	114	25.14	101	52-154	35-171	13	0-38	
4-Ethyltoluene	25.00	28.28	113	24.58	98	50-150	33-167	14	0-35	
Heptane	25.00	27.76	111	25.42	102	50-150	33-167	9	0-35	
Hexachloro-1,3-Butadiene	25.00	23.68	95	20.52	82	50-150	33-167	14	0-35	
Hexane	25.00	27.67	111	25.72	103	50-150	33-167	7	0-35	
2-Hexanone	25.00	27.66	111	24.52	98	50-150	33-167	12	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	14.50	58	14.66	59	50-150	33-167	1	0-35	
Methylene Chloride	25.00	31.60	126	28.09	112	50-150	33-167	12	0-35	
4-Methyl-2-Pentanone	25.00	27.90	112	25.60	102	50-150	33-167	9	0-35	
Naphthalene	25.00	22.99	92	19.32	77	40-190	15-215	17	0-35	
o-Xylene	25.00	28.43	114	24.80	99	52-148	36-164	14	0-38	
p/m-Xylene	50.00	58.08	116	50.72	101	42-156	23-175	14	0-41	
Propene	25.00	30.58	122	26.71	107	50-150	33-167	13	0-35	
Styrene	25.00	28.35	113	25.06	100	50-150	33-167	12	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	16.25	65	15.47	62	50-150	33-167	5	0-35	
Tert-Butyl Alcohol (TBA)	50.00	33.67	67	31.80	64	50-150	33-167	6	0-35	
Tetrachloroethene	25.00	28.56	114	25.03	100	56-152	40-168	13	0-40	
Tetrahydrofuran	25.00	27.10	108	25.24	101	50-150	33-167	7	0-35	
Toluene	25.00	27.90	112	24.71	99	56-146	41-161	12	0-43	
Trichloroethene	25.00	28.18	113	25.75	103	63-159	47-175	9	0-34	
Trichlorofluoromethane	25.00	31.42	126	27.30	109	50-150	33-167	14	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	31.30	125	27.72	111	50-150	33-167	12	0-35	
1,1,1-Trichloroethane	25.00	29.33	117	26.77	107	50-150	33-167	9	0-35	
1,1,2-Trichloroethane	25.00	28.07	112	25.68	103	65-149	51-163	9	0-37	
1,2,3-Trichloropropane	25.00	26.29	105	23.03	92	50-150	33-167	13	0-35	
Acrolein	25.00	29.71	119	26.47	106	50-150	33-167	12	0-35	
Acrylonitrile	25.00	26.77	107	23.63	95	50-150	33-167	12	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,081	**Air**	**GC/MS K**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	28.74	115	26.38	106	50-150	33-167	9	0-35	
Propane	50.00	61.06	122	52.74	105	50-150	33-167	15	0-35	
Butane	50.00	58.49	117	51.50	103	50-150	33-167	13	0-35	
Methanol	75.00	42.20	56	35.68	48	50-150	33-167	17	0-35	ME
2,2,4-Trimethyl Pentane	25.00	24.79	99	22.94	92	50-150	33-167	8	0-35	
Isobutane	50.00	57.40	115	50.29	101	50-150	33-167	13	0-35	
1,1,1,2-Tetrafluoroethane	25.00	27.43	110	24.87	99	50-150	33-167	10	0-35	
1,3,5-Trimethylbenzene	25.00	27.81	111	24.24	97	50-150	33-167	14	0-35	
1,1,2,2-Tetrachloroethane	25.00	25.95	104	22.72	91	50-150	33-167	13	0-35	
1,2,4-Trimethylbenzene	25.00	28.29	113	24.53	98	50-150	33-167	14	0-35	
1,2,4-Trichlorobenzene	25.00	24.89	100	21.15	85	50-150	33-167	16	0-35	
Vinyl Acetate	25.00	25.04	100	23.49	94	50-150	33-167	6	0-35	
Vinyl Chloride	25.00	30.61	122	26.94	108	45-177	23-199	13	0-36	
1,1-Difluoroethane	25.00	28.08	112	24.77	99	50-150	33-167	13	0-35	
Isopropanol	25.00	24.04	96	21.33	85	50-150	33-167	12	0-35	
2-Chlorotoluene	25.00	28.34	113	24.69	99	50-150	33-167	14	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 2
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,079	**Air**	**GC/MS YY**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	22.54	90	22.66	91	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	21.91	88	21.79	87	50-150	33-167	1	0-35	
Acetone	25.00	23.29	93	23.18	93	50-150	33-167	0	0-35	
Benzene	25.00	23.33	93	23.18	93	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	21.71	87	19.89	80	50-150	33-167	9	0-35	
Bromodichloromethane	25.00	26.02	104	25.63	103	50-150	33-167	2	0-35	
Bromoform	25.00	25.22	101	25.18	101	62-134	50-146	0	0-38	
Bromomethane	25.00	24.88	100	24.50	98	50-150	33-167	2	0-35	
1,3-Butadiene	25.00	25.11	100	24.90	100	50-150	33-167	1	0-35	
2-Butanone	25.00	24.74	99	24.68	99	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	23.40	94	23.41	94	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	27.37	109	26.70	107	64-154	49-169	2	0-32	
Chlorobenzene	25.00	23.72	95	23.95	96	50-150	33-167	1	0-35	
Chloroethane	25.00	24.61	98	24.37	97	50-150	33-167	1	0-35	
Chloroform	25.00	24.62	98	24.51	98	50-150	33-167	0	0-35	
Chloromethane	25.00	25.45	102	25.22	101	50-150	33-167	1	0-35	
Cyclohexane	25.00	24.52	98	24.27	97	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	26.65	107	26.60	106	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	25.89	104	25.35	101	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	25.00	24.25	97	23.98	96	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	23.99	96	23.87	95	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	25.12	100	24.87	99	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	25.16	101	25.49	102	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	24.99	100	24.56	98	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	20.41	82	18.94	76	34-160	13-181	7	0-47	
1,2-Dichloroethane	25.00	25.21	101	24.86	99	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	23.82	95	23.90	96	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	25.00	21.11	84	20.35	81	50-150	33-167	4	0-35	
1,4-Dichlorobenzene	25.00	20.87	83	19.85	79	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	18.70	75	22.57	90	50-150	33-167	19	0-35	
c-1,3-Dichloropropene	25.00	24.48	98	24.21	97	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	23.26	93	23.32	93	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,079	**Air**	**GC/MS YY**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	23.30	93	23.10	92	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	24.68	99	24.53	98	50-150	33-167	1	0-35	
Ethanol	100.0	86.98	87	96.85	97	50-150	33-167	11	0-35	
Ethyl Acetate	25.00	24.16	97	24.06	96	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	22.69	91	22.70	91	50-150	33-167	0	0-35	
Ethylbenzene	25.00	24.06	96	24.18	97	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	21.89	88	21.55	86	50-150	33-167	2	0-35	
Heptane	25.00	24.06	96	23.79	95	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	27.78	111	27.62	110	50-150	33-167	1	0-35	
Hexane	25.00	24.16	97	24.23	97	50-150	33-167	0	0-35	
2-Hexanone	25.00	24.87	99	25.02	100	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	22.65	91	22.93	92	50-150	33-167	1	0-35	
Methylene Chloride	25.00	22.35	89	22.37	89	50-150	33-167	0	0-35	
4-Methyl-2-Pentanone	25.00	24.28	97	24.16	97	50-150	33-167	1	0-35	
Naphthalene	25.00	26.32	105	26.63	107	40-190	15-215	1	0-35	
o-Xylene	25.00	23.75	95	23.82	95	52-148	36-164	0	0-38	
p/m-Xylene	50.00	48.85	98	48.97	98	42-156	23-175	0	0-41	
Propene	25.00	25.78	103	25.36	101	50-150	33-167	2	0-35	
Styrene	25.00	23.15	93	23.32	93	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	22.52	90	22.12	88	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	45.92	92	47.05	94	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	24.45	98	24.50	98	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	24.90	100	24.90	100	50-150	33-167	0	0-35	
Toluene	25.00	23.99	96	24.18	97	56-146	41-161	1	0-43	
Trichloroethene	25.00	24.74	99	24.48	98	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	25.96	104	25.47	102	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	24.61	98	24.45	98	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	25.36	101	24.63	99	50-150	33-167	3	0-35	
1,1,2-Trichloroethane	25.00	24.10	96	23.90	96	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	22.23	89	22.17	89	50-150	33-167	0	0-35	
Acrolein	25.00	28.25	113	27.86	111	50-150	33-167	1	0-35	
Acrylonitrile	25.00	24.11	96	23.97	96	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1333
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,079	**Air**	**GC/MS YY**	**N/A**	**05/19/12**	**120519L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	23.66	95	23.56	94	50-150	33-167	0	0-35	
Propane	50.00	53.81	108	52.68	105	50-150	33-167	2	0-35	
Butane	50.00	51.80	104	51.11	102	50-150	33-167	1	0-35	
Methanol	75.00	65.29	87	73.40	98	50-150	33-167	12	0-35	
2,2,4-Trimethyl Pentane	25.00	25.06	100	24.88	100	50-150	33-167	1	0-35	
Isobutane	50.00	52.64	105	52.02	104	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	23.93	96	23.68	95	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	22.01	88	21.31	85	50-150	33-167	3	0-35	
1,1,2,2-Tetrachloroethane	25.00	22.29	89	22.23	89	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	22.15	89	21.07	84	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	27.24	109	27.24	109	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	24.57	98	24.55	98	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	24.76	99	24.49	98	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	25.15	101	24.89	100	50-150	33-167	1	0-35	
Isopropanol	25.00	22.73	91	24.33	97	50-150	33-167	7	0-35	
2-Chlorotoluene	25.00	22.30	89	22.35	89	50-150	33-167	0	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-05-1333**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE-1S_051512	-6.00	-29.70	LC409	Summa Canister 1L
OC_SVE_VE-5S_051512	-7.50	-29.70	LC011	Summa Canister 1L
OC_SVE_VE-6S_051512	-6.00	-29.70	LC397	Summa Canister 1L
OC_SVE_VE-8S_051512	-5.00	-29.70	LC481	Summa Canister 1L
OC_SVE_VE-9S_051512	-9.00	-29.60	LC267	Summa Canister 1L
OC_SVE_VE-10S_051512	-5.00	-29.70	SLC090	Summa Canister 1L
OC_SVE_VE-11S_051512	-7.00	-29.80	LC169	Summa Canister 1L
OC_SVE_VE-12S_051512	-9.00	-29.80	SLC140	Summa Canister 1L
OC_SVE_VE-14S_051512	-9.00	-29.70	LC262	Summa Canister 1L
OC_SVE_VE-15S_051512	-9.00	-29.80	LC318	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-05-1333

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 05/14/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 12-05-1333

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE)

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)				
1	OC_SVE_VE-1S_051512	SP-VE-1S	SV	1423	1L	NA	5/15/2012	0940	-30	5/15/2012	0943	-2	x				
2	OC_SVE_VE-5S_051512	SP-VE-5S	SV	LC011	1L	NA	5/15/2012	0945	-30	5/15/2012	0948	-2	x				
3	OC_SVE_VE-6S_051512	SP-VE-6S	SV	1389	1L	NA	5/15/2012	0950	-30	5/15/2012	0953	-2	x				
4	OC_SVE_VE-8S_051512	SP-VE-8S	SV	1652	1L	NA	5/15/2012	0955	-30	5/15/2012	0958	-2	x				
5	OC_SVE_VE-9S_051512	SP-VE-9S	SV	1474	1L	NA	5/15/2012	1000	-30	5/15/2012	1003	-2	x				
6	OC_SVE_VE-10S_051512	SP-VE-10S	SV	1309	1L	NA	5/15/2012	1005	-30	5/15/2012	1008	-2	x				
7	OC_SVE_VE-11S_051512	SP-VE-11S	SV	1118	1L	NA	5/15/2012	1010	-30	5/15/2012	1013	-2	x				
8	OC_SVE_VE-12S_051512	SP-VE-12S	SV	1347	1L	NA	5/15/2012	1015	-30	5/15/2012	1018	-2	x				
9	OC_SVE_VE-14S_051512	SP-VE-14S	SV	1479	1L	NA	5/15/2012	1020	-30	5/15/2012	1023	-2	x				
10	OC_SVE_VE-15S_051512	SP-VE-15S	SV	1528	1L	NA	5/15/2012	1025	-30	5/15/2012	1028	-2	x				
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	5/17/12	1355
	CEL	5/17/12	1810

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-05-1 3 3 3

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 05/17/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °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:** DEE

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** DEE

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** [illegible]

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:** [illegible]

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-0453

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE1

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 06/12/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0453
		Project name:	Omega - SVE1
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_060512 (12-06-0453-1)						
Benzene	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**5.7**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloroform	**16**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**3.0**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**240**		6.3	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**19**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**6300**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**150**		6.3	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**26**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**120**		19	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**22**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**2.9**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_MID_GAC_060512 (12-06-0453-2)						
Dichlorodifluoromethane	**0.73**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**16**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**5.9**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**11**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_EFF_GAC_060512 (12-06-0453-3)						
2-Butanone	**1.8**		1.5	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.81**		0.50	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0453
		Project name:	Omega - SVE1
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_060512 (12-06-0453-1)						
Benzene	**1.6**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**17**		4.4	ug/m3	EPA TO-15	N/A
Chloroform	**77**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.4**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**12**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**970**		25	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**78**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**43000**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**800**		34	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**140**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**900**		140	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**120**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**16**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_MID_GAC_060512 (12-06-0453-2)						
Dichlorodifluoromethane	**3.6**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**65**		2.0	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**33**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**85**		11	ug/m3	EPA TO-15	N/A
OC_SVE_EFF_GAC_060512 (12-06-0453-3)						
2-Butanone	**5.3**		4.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**4.0**		2.5	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0453
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_INF_GAC_060512	**12-06-0453-1-A**	**06/05/12 12:28**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 02:49**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.51	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	5.7	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	6300	50	101	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	16	0.50	1		Trichloroethene	150	6.3	12.6	
Dichlorodifluoromethane	0.68	0.50	1		Trichlorofluoromethane	26	1.0	1	
1,1-Dichloroethane	3.0	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	120	19	12.6	
1,1-Dichloroethene	240	6.3	12.6		1,1,1-Trichloroethane	22	0.50	1	
1,2-Dichloroethane	19	0.50	1		1,1,2-Trichloroethane	2.9	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_MID_GAC_060512	**12-06-0453-2-A**	**06/05/12 12:33**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 03:41**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.73	0.50	1		Trichlorofluoromethane	5.9	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	11	1.5	1	
1,1-Dichloroethene	16	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0453
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_EFF_GAC_060512	**12-06-0453-3-A**	**06/05/12 12:38**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 07:09**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	1.8	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.81	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-10,142**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/08/12 11:59**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0453
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,143**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 14:00**	**120609L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0453
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_INF_GAC_060512	**12-06-0453-1-A**	**06/05/12 12:28**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 02:49**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.6	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	17	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	43000	340	101	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	77	2.4	1		Trichloroethene	800	34	12.6	
Dichlorodifluoromethane	3.4	2.5	1		Trichlorofluoromethane	140	5.6	1	
1,1-Dichloroethane	12	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	900	140	12.6	
1,1-Dichloroethene	970	25	12.6		1,1,1-Trichloroethane	120	2.7	1	
1,2-Dichloroethane	78	2.0	1		1,1,2-Trichloroethane	16	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_MID_GAC_060512	**12-06-0453-2-A**	**06/05/12 12:33**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 03:41**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	3.6	2.5	1		Trichlorofluoromethane	33	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	85	11	1	
1,1-Dichloroethene	65	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0453
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_EFF_GAC_060512	**12-06-0453-3-A**	**06/05/12 12:38**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 07:09**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	5.3	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	4.0	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-10,142**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/08/12 11:59**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0453
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE1			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,143**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 14:00**	**120609L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

EPA TO-15 Tentatively Identified Compounds (TICs)

Work Orders #	CEL #	Client Sample Number	Compound	CAS Number	Retention Time	Estimated Concentration ppb (v/v)
12-06-0453	1	OC_SVE_INF_GAC_060512	2,5,6-trimethyl-octane	62016-14-2	24.96	41.96
			Hexadecane	544-76-3	27.71	14.27
12-06-0453	2	OC_SVE_MID_GAC_060512	No TICs found			
12-06-0453	3	OC_SVE_EFF_GAC_060512	No TICs found			

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0453
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,142	**Air**	**GC/MS YY**	**N/A**	**06/08/12**	**120608L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	23.27	93	23.27	93	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	22.07	88	22.15	89	50-150	33-167	0	0-35	
Acetone	25.00	24.13	97	24.15	97	50-150	33-167	0	0-35	
Benzene	25.00	24.97	100	25.00	100	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	28.51	114	28.60	114	50-150	33-167	0	0-35	
Bromodichloromethane	25.00	26.46	106	26.29	105	50-150	33-167	1	0-35	
Bromoform	25.00	25.78	103	25.61	102	62-134	50-146	1	0-38	
Bromomethane	25.00	27.41	110	27.23	109	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	26.94	108	27.35	109	50-150	33-167	2	0-35	
2-Butanone	25.00	25.68	103	25.88	104	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	25.27	101	25.41	102	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	27.68	111	27.30	109	64-154	49-169	1	0-32	
Chlorobenzene	25.00	24.98	100	25.02	100	50-150	33-167	0	0-35	
Chloroethane	25.00	26.93	108	26.94	108	50-150	33-167	0	0-35	
Chloroform	25.00	26.26	105	26.14	105	50-150	33-167	0	0-35	
Chloromethane	25.00	25.77	103	26.76	107	50-150	33-167	4	0-35	
Cyclohexane	25.00	25.49	102	25.60	102	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	26.87	107	26.73	107	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	27.35	109	27.10	108	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	24.21	97	23.37	93	50-150	33-167	4	0-35	
1,1-Dichloroethane	25.00	25.93	104	26.09	104	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	25.89	104	25.82	103	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	25.95	104	25.99	104	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	26.96	108	27.14	109	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	23.05	92	23.01	92	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	26.63	107	26.48	106	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	25.03	100	25.42	102	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	22.46	90	22.66	91	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	22.31	89	22.63	91	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	27.55	110	25.07	100	50-150	33-167	9	0-35	
c-1,3-Dichloropropene	25.00	25.96	104	26.02	104	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	25.27	101	25.45	102	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0453
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,142	**Air**	**GC/MS YY**	**N/A**	**06/08/12**	**120608L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	25.39	102	25.24	101	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	26.63	107	26.62	106	50-150	33-167	0	0-35	
Ethanol	100.0	110.6	111	104.1	104	50-150	33-167	6	0-35	
Ethyl Acetate	25.00	26.46	106	25.83	103	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	26.28	105	26.42	106	50-150	33-167	1	0-35	
Ethylbenzene	25.00	25.26	101	25.08	100	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	22.96	92	23.05	92	50-150	33-167	0	0-35	
Heptane	25.00	25.91	104	25.99	104	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	29.22	117	28.65	115	50-150	33-167	2	0-35	
Hexane	25.00	25.61	102	25.54	102	50-150	33-167	0	0-35	
2-Hexanone	25.00	25.73	103	25.87	103	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	26.91	108	27.40	110	50-150	33-167	2	0-35	
Methylene Chloride	25.00	24.43	98	24.71	99	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	25.38	102	25.42	102	50-150	33-167	0	0-35	
Naphthalene	25.00	25.47	102	24.99	100	40-190	15-215	2	0-35	
o-Xylene	25.00	24.77	99	24.68	99	52-148	36-164	0	0-38	
p/m-Xylene	50.00	50.22	100	50.14	100	42-156	23-175	0	0-41	
Propene	25.00	26.37	105	26.61	106	50-150	33-167	1	0-35	
Styrene	25.00	25.26	101	25.28	101	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	26.76	107	26.12	104	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	53.68	107	53.26	107	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	26.14	105	25.93	104	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	25.84	103	26.12	104	50-150	33-167	1	0-35	
Toluene	25.00	25.25	101	25.28	101	56-146	41-161	0	0-43	
Trichloroethene	25.00	25.56	102	25.47	102	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	27.08	108	26.78	107	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	26.37	105	26.34	105	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	25.00	26.80	107	26.16	105	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	25.30	101	25.27	101	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	22.98	92	23.07	92	50-150	33-167	0	0-35	
Acrolein	25.00	26.91	108	27.10	108	50-150	33-167	1	0-35	
Acrylonitrile	25.00	25.85	103	26.03	104	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0453
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,142	**Air**	**GC/MS YY**	**N/A**	**06/08/12**	**120608L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	25.54	102	25.62	102	50-150	33-167	0	0-35	
Propane	50.00	53.95	108	54.00	108	50-150	33-167	0	0-35	
Butane	50.00	53.23	106	53.83	108	50-150	33-167	1	0-35	
Methanol	75.00	73.43	98	71.91	96	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	25.60	102	25.69	103	50-150	33-167	0	0-35	
Isobutane	50.00	52.77	106	54.15	108	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.40	102	25.69	103	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	23.25	93	23.35	93	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.32	93	23.54	94	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	24.38	98	24.40	98	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	29.45	118	28.97	116	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	26.02	104	26.59	106	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	26.64	107	26.96	108	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	25.66	103	26.07	104	50-150	33-167	2	0-35	
Isopropanol	25.00	26.74	107	25.93	104	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	22.96	92	22.90	92	50-150	33-167	0	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0453
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,143	**Air**	**GC/MS YY**	**N/A**	**06/09/12**	**120609L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	22.99	92	23.29	93	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	22.16	89	22.58	90	50-150	33-167	2	0-35	
Acetone	25.00	24.81	99	25.36	101	50-150	33-167	2	0-35	
Benzene	25.00	25.59	102	25.64	103	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	25.09	100	27.10	108	50-150	33-167	8	0-35	
Bromodichloromethane	25.00	25.89	104	25.87	103	50-150	33-167	0	0-35	
Bromoform	25.00	24.55	98	24.83	99	62-134	50-146	1	0-38	
Bromomethane	25.00	25.80	103	26.10	104	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	27.89	112	28.32	113	50-150	33-167	2	0-35	
2-Butanone	25.00	28.00	112	28.19	113	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	25.60	102	25.93	104	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	25.98	104	25.77	103	64-154	49-169	1	0-32	
Chlorobenzene	25.00	24.75	99	24.89	100	50-150	33-167	1	0-35	
Chloroethane	25.00	26.65	107	26.93	108	50-150	33-167	1	0-35	
Chloroform	25.00	25.73	103	25.82	103	50-150	33-167	0	0-35	
Chloromethane	25.00	27.43	110	27.97	112	50-150	33-167	2	0-35	
Cyclohexane	25.00	27.35	109	27.34	109	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	25.85	103	25.99	104	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	25.55	102	25.59	102	50-150	33-167	0	0-35	
Diisopropyl Ether (DIPE)	25.00	26.13	105	25.78	103	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	26.41	106	26.94	108	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	25.99	104	26.30	105	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	25.19	101	25.47	102	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	25.64	103	25.85	103	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	21.21	85	22.39	90	34-160	13-181	5	0-47	
1,2-Dichloroethane	25.00	25.94	104	26.05	104	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	26.39	106	26.82	107	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	21.33	85	22.13	89	50-150	33-167	4	0-35	
1,4-Dichlorobenzene	25.00	21.12	84	22.14	89	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	28.53	114	29.45	118	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	26.12	104	26.13	105	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	25.43	102	25.82	103	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0453
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,143	**Air**	**GC/MS YY**	**N/A**	**06/09/12**	**120609L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	25.32	101	25.16	101	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	26.33	105	26.25	105	50-150	33-167	0	0-35	
Ethanol	100.0	117.2	117	121.0	121	50-150	33-167	3	0-35	
Ethyl Acetate	25.00	27.73	111	27.43	110	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	26.58	106	26.88	108	50-150	33-167	1	0-35	
Ethylbenzene	25.00	24.94	100	25.20	101	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	22.66	91	23.21	93	50-150	33-167	2	0-35	
Heptane	25.00	26.07	104	26.08	104	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	25.78	103	25.96	104	50-150	33-167	1	0-35	
Hexane	25.00	27.49	110	27.61	110	50-150	33-167	0	0-35	
2-Hexanone	25.00	27.03	108	27.03	108	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	26.37	105	27.01	108	50-150	33-167	2	0-35	
Methylene Chloride	25.00	24.90	100	25.20	101	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	26.83	107	26.74	107	50-150	33-167	0	0-35	
Naphthalene	25.00	25.08	100	24.94	100	40-190	15-215	1	0-35	
o-Xylene	25.00	24.43	98	24.62	98	52-148	36-164	1	0-38	
p/m-Xylene	50.00	49.55	99	49.92	100	42-156	23-175	1	0-41	
Propene	25.00	28.57	114	28.10	112	50-150	33-167	2	0-35	
Styrene	25.00	25.27	101	25.61	102	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	25.96	104	25.33	101	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	53.81	108	54.51	109	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	24.67	99	24.75	99	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	28.78	115	29.08	116	50-150	33-167	1	0-35	
Toluene	25.00	25.44	102	25.62	102	56-146	41-161	1	0-43	
Trichloroethene	25.00	25.30	101	25.19	101	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	24.91	100	25.11	100	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	25.60	102	25.89	104	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	25.43	102	24.95	100	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	25.56	102	25.54	102	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	22.95	92	23.42	94	50-150	33-167	2	0-35	
Acrolein	25.00	24.58	98	28.19	113	50-150	33-167	14	0-35	
Acrylonitrile	25.00	27.78	111	28.07	112	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0453
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,143	**Air**	**GC/MS YY**	**N/A**	**06/09/12**	**120609L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	26.37	105	26.33	105	50-150	33-167	0	0-35	
Propane	50.00	57.25	114	54.43	109	50-150	33-167	5	0-35	
Butane	50.00	55.12	110	55.83	112	50-150	33-167	1	0-35	
Methanol	75.00	79.41	106	65.13	87	50-150	33-167	20	0-35	
2,2,4-Trimethyl Pentane	25.00	27.28	109	27.19	109	50-150	33-167	0	0-35	
Isobutane	50.00	54.69	109	55.46	111	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.84	103	26.13	105	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	22.57	90	23.23	93	50-150	33-167	3	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.47	94	24.02	96	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	23.33	93	24.24	97	50-150	33-167	4	0-35	
1,2,4-Trichlorobenzene	25.00	27.42	110	27.74	111	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	28.21	113	28.82	115	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	26.58	106	26.79	107	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	27.19	109	27.61	110	50-150	33-167	2	0-35	
Isopropanol	25.00	28.54	114	29.15	117	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	22.80	91	23.29	93	50-150	33-167	2	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-0453**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_INF_GAC_060512	-2.00	-29.60	LC069	Summa Canister 1L
OC_SVE_MID_GAC_060512	-2.00	-29.60	LC342	Summa Canister 1L
OC_SVE_EFF_GAC_060512	-2.00	-29.60	LC198	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-0453

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 06/04/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (310) 926-5368 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 12-06-0453

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr.

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.3)				
1	OC_SVE_INF_GAC_060512	SP-INF-GAC	SV	LC089	1L	NA	6/5/2012	1225	-30	6/5/2012	1228	-2	x				
2	OC_SVE_MID_GAC_060512	SP-MID-GAC	SV	LC342	1L	NA	6/5/2012	1230	-30	6/5/2012	1233	-2	x				
3	OC_SVE_EFF_GAC_060512	SP-EFF-GAC	SV	LC198	1L	NA	6/5/2012	1235	-30	6/5/2012	1238	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
JHA		6/7/12	1410
Rudy		06/07/12	1720

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-0453

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 06/7/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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:** RM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** RM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** NC

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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-0454

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 06/21/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0454
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_060512 (12-06-0454-1)						
Acetone	**12**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**65**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**110**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**11**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**7.9**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-5S_060512 (12-06-0454-2)						
Chloroform	**11**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**220**		2.5	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**43**		2.5	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.8**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**350**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**120**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**10**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**21**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-6S_060512 (12-06-0454-3)						
1,1-Dichloroethene	**130**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**360**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**150**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**11**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**19**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-8S_060512 (12-06-0454-4)						
1,1-Dichloroethene	**76**		20	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**46**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**33000**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**110**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**100**		60	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**120**		20	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0454
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-9S_060512 (12-06-0454-5)						
Acetone	**12**		10	ppb (v/v)	EPA TO-15	N/A
Chloroform	**15**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**210**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**940**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**65**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**35**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**150**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-10S_060512 (12-06-0454-6)						
Acetone	**16**		10	ppb (v/v)	EPA TO-15	N/A
Chloroform	**7.3**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**230**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**640**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**57**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**11**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**40**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-11S_060512 (12-06-0454-7)						
Chloroform	**71**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**7.8**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**690**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**28**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2800**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**410**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**110**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**410**		15	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**5.2**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-12S_060512 (12-06-0454-8)						
Chloroform	**3.8**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**82**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**350**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**16**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**34**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**220**		7.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0454
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-14S_060512 (12-06-0454-9)						
Acetone	**5.4**		2.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**5.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**2.0**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3.0**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-15S_060512 (12-06-0454-10)						
1,1-Dichloroethene	**38**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**63**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**39**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**5.6**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**13**		7.5	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0454
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_060512 (12-06-0454-1)						
Acetone	**29**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**260**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**750**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**60**		13	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**60**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VE-5S_060512 (12-06-0454-2)						
Chloroform	**54**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**880**		9.9	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**170**		10	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**11**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2300**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**640**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**57**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**160**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VE-6S_060512 (12-06-0454-3)						
1,1-Dichloroethene	**530**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2500**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**810**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**60**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**150**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VE-8S_060512 (12-06-0454-4)						
1,1-Dichloroethene	**300**		79	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**180**		81	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**220000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**580**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**790**		460	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**680**		110	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0454
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-9S_060512 (12-06-0454-5)						
Acetone	**29**		24	ug/m3	EPA TO-15	N/A
Chloroform	**74**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**820**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**6400**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**350**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**190**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1100**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VE-10S_060512 (12-06-0454-6)						
Acetone	**39**		24	ug/m3	EPA TO-15	N/A
Chloroform	**36**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**920**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4400**		54	ug/m3	EPA TO-15	N/A
Trichloroethene	**300**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**61**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**310**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VE-11S_060512 (12-06-0454-7)						
Chloroform	**350**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**32**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2700**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**110**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**19000**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**2200**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**600**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3100**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**28**		27	ug/m3	EPA TO-15	N/A
OC_SVE_VE-12S_060512 (12-06-0454-8)						
Chloroform	**19**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**320**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2400**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**88**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**190**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1700**		57	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0454
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-14S_060512 (12-06-0454-9)						
Acetone	**13**		4.8	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2.1**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**36**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**7.1**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**11**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**23**		11	ug/m3	EPA TO-15	N/A
OC_SVE_VE-15S_060512 (12-06-0454-10)						
1,1-Dichloroethene	**150**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**430**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**210**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**31**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**96**		57	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1S_060512	**12-06-0454-1-A**	**06/05/12 12:48**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 21:34**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	110	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	11	2.5	5	
1,1-Dichloroethene	65	2.5	5		Trichlorofluoromethane	ND	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	7.9	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5S_060512	**12-06-0454-2-A**	**06/05/12 12:53**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 22:22**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	11	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	350	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	120	2.5	5	
1,1-Dichloroethene	220	2.5	5		Trichlorofluoromethane	10	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	21	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	43	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	2.8	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-6S_060512	**12-06-0454-3-A**	**06/05/12 12:58**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 23:09**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	360	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	150	2.5	5	
1,1-Dichloroethene	130	2.5	5		Trichlorofluoromethane	11	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	19	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-8S_060512	**12-06-0454-4-A**	**06/05/12 13:03**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 23:56**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	ND	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	33000	200	400	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	ND	20	40		Trichloroethene	110	20	40	
1,1-Dichloroethene	76	20	40		Trichlorofluoromethane	ND	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	100	60	40	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	120	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	46	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	109	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-9S_060512	**12-06-0454-5-A**	**06/05/12 13:08**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 00:44**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	15	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	940	10	20	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	65	2.5	5	
1,1-Dichloroethene	210	2.5	5		Trichlorofluoromethane	35	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	150	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 6 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-10S_060512	**12-06-0454-6-A**	**06/05/12 13:13**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 01:31**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	7.3	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	640	8.0	16	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	57	2.5	5	
1,1-Dichloroethene	230	2.5	5		Trichlorofluoromethane	11	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	40	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-11S_060512	**12-06-0454-7-A**	**06/05/12 13:18**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 02:18**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	71	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	2800	50	100	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	7.8	5.0	10		Trichloroethene	410	5.0	10	
1,1-Dichloroethene	690	5.0	10		Trichlorofluoromethane	110	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	410	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	5.2	5.0	10	
1,2-Dichloroethane	28	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	110	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-12S_060512	**12-06-0454-8-A**	**06/05/12 13:23**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 03:06**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	3.8	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	350	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	16	2.5	5	
1,1-Dichloroethene	82	2.5	5		Trichlorofluoromethane	34	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	220	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-14S_060512	**12-06-0454-9-A**	**06/05/12 13:28**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 17:04**	**120612L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.4	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	5.3	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.3	0.50	1	
1,1-Dichloroethene	0.53	0.50	1		Trichlorofluoromethane	2.0	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	3.0	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 10 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-15S_060512	**12-06-0454-10-A**	**06/05/12 13:33**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 04:43**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	63	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	39	2.5	5	
1,1-Dichloroethene	38	2.5	5		Trichlorofluoromethane	5.6	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	13	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,151**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 20:46**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	97	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,163**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 14:56**	**120612L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1S_060512	**12-06-0454-1-A**	**06/05/12 12:48**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 21:34**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	ND	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	750	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	60	13	5	
1,1-Dichloroethene	260	9.9	5		Trichlorofluoromethane	ND	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	60	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	06/07/12
Work Order No:	12-06-0454
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5S_060512	**12-06-0454-2-A**	**06/05/12 12:53**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 22:22**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	54	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	2300	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	640	13	5	
1,1-Dichloroethene	880	9.9	5		Trichlorofluoromethane	57	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	160	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	170	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	11	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-6S_060512	**12-06-0454-3-A**	**06/05/12 12:58**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 23:09**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	ND	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	2500	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	810	13	5	
1,1-Dichloroethene	530	9.9	5		Trichlorofluoromethane	60	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	150	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	06/07/12
Work Order No:	12-06-0454
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-8S_060512	**12-06-0454-4-A**	**06/05/12 13:03**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 23:56**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	ND	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	220000	1400	400	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	ND	81	40		Trichloroethene	580	110	40	
1,1-Dichloroethene	300	79	40		Trichlorofluoromethane	ND	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	790	460	40	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	680	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	180	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	109	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-9S_060512	**12-06-0454-5-A**	**06/05/12 13:08**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 00:44**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	74	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	6400	68	20	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	350	13	5	
1,1-Dichloroethene	820	9.9	5		Trichlorofluoromethane	190	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	1100	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-10S_060512	**12-06-0454-6-A**	**06/05/12 13:13**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 01:31**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	39	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	36	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	4400	54	16	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	300	13	5	
1,1-Dichloroethene	920	9.9	5		Trichlorofluoromethane	61	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	310	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-11S_060512	**12-06-0454-7-A**	**06/05/12 13:18**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 02:18**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	350	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	19000	340	100	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	32	20	10		Trichloroethene	2200	27	10	
1,1-Dichloroethene	2700	20	10		Trichlorofluoromethane	600	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	3100	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	28	27	10	
1,2-Dichloroethane	110	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	110	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-12S_060512	**12-06-0454-8-A**	**06/05/12 13:23**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 03:06**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	19	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	2400	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	88	13	5	
1,1-Dichloroethene	320	9.9	5		Trichlorofluoromethane	190	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	1700	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-14S_060512	**12-06-0454-9-A**	**06/05/12 13:28**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 17:04**	**120612L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	13	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	36	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	7.1	2.7	1	
1,1-Dichloroethene	2.1	2.0	1		Trichlorofluoromethane	11	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	23	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	06/07/12
Work Order No:	12-06-0454
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-15S_060512	**12-06-0454-10-A**	**06/05/12 13:33**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 04:43**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	ND	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	430	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	210	13	5	
1,1-Dichloroethene	150	9.9	5		Trichlorofluoromethane	31	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	96	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0454
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,151**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**06/11/12 20:46**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	97	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	06/07/12
Work Order No:	12-06-0454
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,163**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**06/12/12 14:56**	**120612L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0454
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,151	**Air**	**GC/MS HH**	**N/A**	**06/11/12**	**120611L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	26.59	106	24.27	97	50-150	33-167	9	0-35	
n-Propylbenzene	25.00	25.37	101	23.18	93	50-150	33-167	9	0-35	
Acetone	25.00	25.40	102	23.43	94	50-150	33-167	8	0-35	
Benzene	25.00	28.49	114	26.69	107	60-156	44-172	7	0-40	
Benzyl Chloride	25.00	26.87	107	23.75	95	50-150	33-167	12	0-35	
Bromodichloromethane	25.00	26.90	108	25.40	102	50-150	33-167	6	0-35	
Bromoform	25.00	28.38	114	25.54	102	62-134	50-146	11	0-38	
Bromomethane	25.00	26.34	105	24.24	97	50-150	33-167	8	0-35	
1,3-Butadiene	25.00	26.92	108	25.06	100	50-150	33-167	7	0-35	
2-Butanone	25.00	26.61	106	25.47	102	50-150	33-167	4	0-35	
Carbon Disulfide	25.00	26.53	106	25.35	101	50-150	33-167	5	0-35	
Carbon Tetrachloride	25.00	25.90	104	24.37	97	64-154	49-169	6	0-32	
Chlorobenzene	25.00	28.03	112	25.45	102	50-150	33-167	10	0-35	
Chloroethane	25.00	26.79	107	24.41	98	50-150	33-167	9	0-35	
Chloroform	25.00	25.64	103	24.55	98	50-150	33-167	4	0-35	
Chloromethane	25.00	26.59	106	24.57	98	50-150	33-167	8	0-35	
Cyclohexane	25.00	28.02	112	26.21	105	50-150	33-167	7	0-35	
Dibromochloromethane	25.00	28.87	115	26.50	106	50-150	33-167	9	0-35	
Dichlorodifluoromethane	25.00	25.16	101	23.97	96	50-150	33-167	5	0-35	
Diisopropyl Ether (DIPE)	25.00	25.36	101	24.15	97	50-150	33-167	5	0-35	
1,1-Dichloroethane	25.00	26.70	107	25.45	102	50-150	33-167	5	0-35	
1,1-Dichloroethene	25.00	23.75	95	22.05	88	50-150	33-167	7	0-35	
1,2-Dibromoethane	25.00	29.13	117	26.30	105	54-144	39-159	10	0-36	
Dichlorotetrafluoroethane	25.00	24.94	100	23.36	93	50-150	33-167	7	0-35	
1,2-Dichlorobenzene	25.00	25.65	103	23.06	92	34-160	13-181	11	0-47	
1,2-Dichloroethane	25.00	24.82	99	23.76	95	69-153	55-167	4	0-35	
1,2-Dichloropropane	25.00	27.69	111	25.85	103	67-157	52-172	7	0-35	
1,3-Dichlorobenzene	25.00	25.18	101	22.88	92	50-150	33-167	10	0-35	
1,4-Dichlorobenzene	25.00	25.35	101	23.08	92	36-156	16-176	9	0-47	
1,4-Dioxane	25.00	31.10	124	29.01	116	50-150	33-167	7	0-35	
c-1,3-Dichloropropene	25.00	29.32	117	27.32	109	61-157	45-173	7	0-35	
c-1,2-Dichloroethene	25.00	28.60	114	27.17	109	50-150	33-167	5	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0454
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,151	**Air**	**GC/MS HH**	**N/A**	**06/11/12**	**120611L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	28.11	112	26.60	106	50-150	33-167	6	0-35	
t-1,3-Dichloropropene	25.00	29.31	117	27.16	109	50-150	33-167	8	0-35	
Ethanol	100.0	115.2	115	105.8	106	50-150	33-167	8	0-35	
Ethyl Acetate	25.00	27.37	109	26.19	105	50-150	33-167	4	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	26.87	107	25.36	101	50-150	33-167	6	0-35	
Ethylbenzene	25.00	28.39	114	26.00	104	52-154	35-171	9	0-38	
4-Ethyltoluene	25.00	26.48	106	24.22	97	50-150	33-167	9	0-35	
Heptane	25.00	29.70	119	27.61	110	50-150	33-167	7	0-35	
Hexachloro-1,3-Butadiene	25.00	23.57	94	21.95	88	50-150	33-167	7	0-35	
Hexane	25.00	26.72	107	25.48	102	50-150	33-167	5	0-35	
2-Hexanone	25.00	28.77	115	25.77	103	50-150	33-167	11	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	27.34	109	25.84	103	50-150	33-167	6	0-35	
Methylene Chloride	25.00	24.31	97	22.49	90	50-150	33-167	8	0-35	
4-Methyl-2-Pentanone	25.00	27.60	110	25.57	102	50-150	33-167	8	0-35	
Naphthalene	25.00	24.05	96	21.25	85	40-190	15-215	12	0-35	
o-Xylene	25.00	27.76	111	25.48	102	52-148	36-164	9	0-38	
p/m-Xylene	50.00	56.00	112	51.35	103	42-156	23-175	9	0-41	
Propene	25.00	25.13	101	29.62	118	50-150	33-167	16	0-35	
Styrene	25.00	28.25	113	25.58	102	50-150	33-167	10	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	27.58	110	25.75	103	50-150	33-167	7	0-35	
Tert-Butyl Alcohol (TBA)	50.00	49.55	99	45.06	90	50-150	33-167	9	0-35	
Tetrachloroethene	25.00	28.96	116	26.57	106	56-152	40-168	9	0-40	
Tetrahydrofuran	25.00	26.60	106	25.40	102	50-150	33-167	5	0-35	
Toluene	25.00	28.85	115	26.39	106	56-146	41-161	9	0-43	
Trichloroethene	25.00	27.44	110	25.74	103	63-159	47-175	6	0-34	
Trichlorofluoromethane	25.00	23.05	92	21.27	85	50-150	33-167	8	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	26.34	105	25.24	101	50-150	33-167	4	0-35	
1,1,1-Trichloroethane	25.00	25.86	103	24.60	98	50-150	33-167	5	0-35	
1,1,2-Trichloroethane	25.00	27.97	112	26.06	104	65-149	51-163	7	0-37	
1,2,3-Trichloropropane	25.00	24.82	99	22.47	90	50-150	33-167	10	0-35	
Acrolein	25.00	27.79	111	25.66	103	50-150	33-167	8	0-35	
Acrylonitrile	25.00	26.93	108	25.33	101	50-150	33-167	6	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0454
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,151	**Air**	**GC/MS HH**	**N/A**	**06/11/12**	**120611L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	29.16	117	27.24	109	50-150	33-167	7	0-35	
Propane	50.00	54.58	109	54.73	109	50-150	33-167	0	0-35	
Butane	50.00	50.27	101	46.49	93	50-150	33-167	8	0-35	
Methanol	75.00	85.96	115	76.97	103	50-150	33-167	11	0-35	
2,2,4-Trimethyl Pentane	25.00	26.74	107	25.09	100	50-150	33-167	6	0-35	
Isobutane	50.00	51.33	103	47.77	96	50-150	33-167	7	0-35	
1,1,1,2-Tetrafluoroethane	25.00	26.37	105	25.17	101	50-150	33-167	5	0-35	
1,3,5-Trimethylbenzene	25.00	26.69	107	24.35	97	50-150	33-167	9	0-35	
1,1,2,2-Tetrachloroethane	25.00	25.86	103	23.57	94	50-150	33-167	9	0-35	
1,2,4-Trimethylbenzene	25.00	26.01	104	23.62	94	50-150	33-167	10	0-35	
1,2,4-Trichlorobenzene	25.00	25.34	101	22.83	91	50-150	33-167	10	0-35	
Vinyl Acetate	25.00	27.03	108	25.86	103	50-150	33-167	4	0-35	
Vinyl Chloride	25.00	26.89	108	25.03	100	45-177	23-199	7	0-36	
1,1-Difluoroethane	25.00	26.68	107	25.44	102	50-150	33-167	5	0-35	
Isopropanol	25.00	27.14	109	24.56	98	50-150	33-167	10	0-35	
2-Chlorotoluene	25.00	25.75	103	23.58	94	50-150	33-167	9	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0454
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,163	**Air**	**GC/MS HH**	**N/A**	**06/12/12**	**120612L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	25.37	101	25.21	101	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	24.44	98	24.53	98	50-150	33-167	0	0-35	
Acetone	25.00	27.23	109	26.47	106	50-150	33-167	3	0-35	
Benzene	25.00	26.93	108	26.97	108	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	24.91	100	26.54	106	50-150	33-167	6	0-35	
Bromodichloromethane	25.00	28.68	115	27.59	110	50-150	33-167	4	0-35	
Bromoform	25.00	28.73	115	28.13	113	62-134	50-146	2	0-38	
Bromomethane	25.00	26.96	108	26.97	108	50-150	33-167	0	0-35	
1,3-Butadiene	25.00	27.46	110	27.37	109	50-150	33-167	0	0-35	
2-Butanone	25.00	28.18	113	27.00	108	50-150	33-167	4	0-35	
Carbon Disulfide	25.00	27.18	109	26.40	106	50-150	33-167	3	0-35	
Carbon Tetrachloride	25.00	28.50	114	27.32	109	64-154	49-169	4	0-32	
Chlorobenzene	25.00	26.22	105	25.85	103	50-150	33-167	1	0-35	
Chloroethane	25.00	27.67	111	27.47	110	50-150	33-167	1	0-35	
Chloroform	25.00	27.71	111	26.22	105	50-150	33-167	6	0-35	
Chloromethane	25.00	27.14	109	27.69	111	50-150	33-167	2	0-35	
Cyclohexane	25.00	27.38	110	27.43	110	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	29.28	117	28.35	113	50-150	33-167	3	0-35	
Dichlorodifluoromethane	25.00	27.61	110	26.86	107	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	27.11	108	25.98	104	50-150	33-167	4	0-35	
1,1-Dichloroethane	25.00	27.11	108	26.62	106	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	27.97	112	26.00	104	50-150	33-167	7	0-35	
1,2-Dibromoethane	25.00	27.71	111	27.68	111	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	27.88	112	26.83	107	50-150	33-167	4	0-35	
1,2-Dichlorobenzene	25.00	23.76	95	24.68	99	34-160	13-181	4	0-47	
1,2-Dichloroethane	25.00	28.28	113	26.53	106	69-153	55-167	6	0-35	
1,2-Dichloropropane	25.00	27.29	109	26.84	107	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	23.75	95	24.59	98	50-150	33-167	3	0-35	
1,4-Dichlorobenzene	25.00	23.30	93	24.40	98	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	29.93	120	29.15	117	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	29.35	117	28.78	115	61-157	45-173	2	0-35	
c-1,2-Dichloroethene	25.00	27.47	110	27.31	109	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0454
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,163	**Air**	**GC/MS HH**	**N/A**	**06/12/12**	**120612L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	26.55	106	26.80	107	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	29.64	119	29.37	117	50-150	33-167	1	0-35	
Ethanol	100.0	123.2	123	121.6	122	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	27.39	110	26.70	107	50-150	33-167	3	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	27.23	109	26.60	106	50-150	33-167	2	0-35	
Ethylbenzene	25.00	27.46	110	26.78	107	52-154	35-171	3	0-38	
4-Ethyltoluene	25.00	25.29	101	25.58	102	50-150	33-167	1	0-35	
Heptane	25.00	27.75	111	28.59	114	50-150	33-167	3	0-35	
Hexachloro-1,3-Butadiene	25.00	24.57	98	23.88	96	50-150	33-167	3	0-35	
Hexane	25.00	27.75	111	26.86	107	50-150	33-167	3	0-35	
2-Hexanone	25.00	27.20	109	27.85	111	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	27.09	108	26.92	108	50-150	33-167	1	0-35	
Methylene Chloride	25.00	26.94	108	25.38	102	50-150	33-167	6	0-35	
4-Methyl-2-Pentanone	25.00	26.80	107	27.16	109	50-150	33-167	1	0-35	
Naphthalene	25.00	23.23	93	23.87	95	40-190	15-215	3	0-35	
o-Xylene	25.00	27.46	110	26.69	107	52-148	36-164	3	0-38	
p/m-Xylene	50.00	56.89	114	54.55	109	42-156	23-175	4	0-41	
Propene	25.00	30.22	121	24.46	98	50-150	33-167	21	0-35	
Styrene	25.00	25.78	103	26.24	105	50-150	33-167	2	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	26.48	106	26.55	106	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	55.82	112	53.56	107	50-150	33-167	4	0-35	
Tetrachloroethene	25.00	27.27	109	27.10	108	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	27.35	109	26.48	106	50-150	33-167	3	0-35	
Toluene	25.00	27.21	109	26.75	107	56-146	41-161	2	0-43	
Trichloroethene	25.00	27.99	112	27.06	108	63-159	47-175	3	0-34	
Trichlorofluoromethane	25.00	28.33	113	26.09	104	50-150	33-167	8	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	28.16	113	26.94	108	50-150	33-167	4	0-35	
1,1,1-Trichloroethane	25.00	28.19	113	26.67	107	50-150	33-167	6	0-35	
1,1,2-Trichloroethane	25.00	27.53	110	27.12	108	65-149	51-163	2	0-37	
1,2,3-Trichloropropane	25.00	24.03	96	24.74	99	50-150	33-167	3	0-35	
Acrolein	25.00	29.15	117	28.34	113	50-150	33-167	3	0-35	
Acrylonitrile	25.00	29.06	116	27.97	112	50-150	33-167	4	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0454
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,163	**Air**	**GC/MS HH**	**N/A**	**06/12/12**	**120612L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	28.69	115	28.33	113	50-150	33-167	1	0-35	
Propane	50.00	57.85	116	62.87	126	50-150	33-167	8	0-35	
Butane	50.00	54.59	109	52.82	106	50-150	33-167	3	0-35	
Methanol	75.00	90.32	120	88.46	118	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	27.02	108	26.69	107	50-150	33-167	1	0-35	
Isobutane	50.00	55.73	111	54.57	109	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.97	104	26.80	107	50-150	33-167	3	0-35	
1,3,5-Trimethylbenzene	25.00	25.76	103	25.77	103	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	25.15	101	25.12	100	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	25.03	100	25.28	101	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	24.57	98	25.14	101	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	28.08	112	27.23	109	50-150	33-167	3	0-35	
Vinyl Chloride	25.00	27.31	109	27.30	109	45-177	23-199	0	0-36	
1,1-Difluoroethane	25.00	27.34	109	27.67	111	50-150	33-167	1	0-35	
Isopropanol	25.00	30.31	121	29.37	117	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	24.84	99	24.95	100	50-150	33-167	0	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-0454**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE-1S_060512	-5.00	-29.60	LC195	Summa Canister 1L
OC_SVE_VE-5S_060512	-5.00	-29.70	LC361	Summa Canister 1L
OC_SVE_VE-6S_060512	-5.00	-29.70	LC154	Summa Canister 1L
OC_SVE_VE-8S_060512	-5.00	-29.60	LC108	Summa Canister 1L
OC_SVE_VE-9S_060512	-5.00	-29.60	LC384	Summa Canister 1L
OC_SVE_VE-10S_060512	-5.00	-29.50	LC127	Summa Canister 1L
OC_SVE_VE-11S_060512	-5.00	-29.60	LC506	Summa Canister 1L
OC_SVE_VE-12S_060512	-5.00	-29.70	SLC001	Summa Canister 1L
OC_SVE_VE-14S_060512	-5.00	-29.60	LC116	Summa Canister 1L
OC_SVE_VE-15S_060512	-5.00	-29.60	SLC163	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-0454

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 06/04/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY ☐ 12-06-0454

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)				
1	OC_SVE_VE-1S_060512	SP-VE-1S	SV	1205	1L	NA	6/5/2012	1245	-30	6/5/2012	1248	-2	x				
2	OC_SVE_VE-5S_060512	SP-VE-5S	SV	1624	1L	NA	6/5/2012	1250	-30	6/5/2012	1253	-2	x				
3	OC_SVE_VE-6S_060512	SP-VE-6S	SV	1114	1L	NA	6/5/2012	1255	-30	6/5/2012	1258	-2	x				
4	OC_SVE_VE-8S_060512	SP-VE-8S	SV	1098	1L	NA	6/5/2012	1300	-30	6/5/2012	1303	-2	x				
5	OC_SVE_VE-9S_060512	SP-VE-9S	SV	1633	1L	NA	6/5/2012	1305	-30	6/5/2012	1308	-2	x				
6	OC_SVE_VE-10S_060512	SP-VE-10S	SV	1075	1L	NA	6/5/2012	1310	-30	6/5/2012	1313	-2	x				
7	OC_SVE_VE-11S_060512	SP-VE-11S	SV	1375	1L	NA	6/5/2012	1315	-30	6/5/2012	1318	-2	x				
8	OC_SVE_VE-12S_060512	SP-VE-12S	SV	1223	1L	NA	6/5/2012	1320	-30	6/5/2012	1323	-2	x				
9	OC_SVE_VE-14S_060512	SP-VE-14S	SV	1071	1L	NA	6/5/2012	1325	-29	6/5/2012	1328	-2	x				
10	OC_SVE_VE-15S_060512	SP-VE-15S	SV	1470	1L	NA	6/5/2012	1330	-30	6/5/2012	1333	-2	x				
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
JHA	CEL	6/7/12	1410
Rudy Jr	CEL	06/07/12	1720

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-0454

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 06/7/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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:** RM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** RM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** NC

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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-0893

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 06/27/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-4S_061112 (12-06-0893-1)						
Acetone	**220**		8.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.3**		1.5	ppb (v/v)	EPA TO-15	N/A
Carbon Disulfide	**4.3**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2.3**		0.50	ppb (v/v)	EPA TO-15	N/A
1,4-Dioxane	**16**		10	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.88**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.87**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.60**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**31**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**2.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**3.2**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.80**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.5**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-4M_061112 (12-06-0893-2)						
Acetone	**43**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.94**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.95**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.60**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**2.3**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**1.7**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-5M_061112 (12-06-0893-3)						
Acetone	**59**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.85**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.6**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.83**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.65**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
Hexane	**2.3**		2.0	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.90**		0.50	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**2.4**		2.0	ppb (v/v)	EPA TO-15	N/A
Toluene	**4.5**		0.50	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-7S_061112 (12-06-0893-4)						
Acetone	**40**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**4.2**		0.50	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.4**		0.50	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.82**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**93**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**21**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.72**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.2**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-2_061112 (12-06-0893-5)						
Acetone	**72**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**4.0**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.89**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**48**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**3.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.78**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.5**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-3_061112 (12-06-0893-6)						
Acetone	**32**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**5.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**2.0**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.0**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-4_061112 (12-06-0893-7)						
Acetone	**25**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.77**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**2.5**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**130**		2.8	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**180**		2.8	ppb (v/v)	EPA TO-15	N/A
Toluene	**2.1**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**200**		2.8	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**16**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**25**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-5_061112 (12-06-0893-8)						
Acetone	**33**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**3.1**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3.0**		0.50	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**0.96**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
Hexane	**3.6**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**45**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.4**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**8.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.58**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.4**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-6_061112 (12-06-0893-9)						
Chloroform	**29**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**37**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1800**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**13000**		250	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1900**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**48**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1400**		60	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**280**		20	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-11_061112 (12-06-0893-10)						
Acetone	**26**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.50**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.60**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**6.2**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**200**		2.0	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.99**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**14**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.65**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.0**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-12_061112 (12-06-0893-11)						
Acetone	**52**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**11**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**480**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**24**		2.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-13_061112 (12-06-0893-12)						
Acetone	**16**		2.0	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.98**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**13**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**6.8**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.83**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.6**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-14_061112 (12-06-0893-13)						
Acetone	**39**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**37**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.70**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.72**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**6.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.4**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.7**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.94**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.8**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-15_061112 (12-06-0893-14)						
Benzene	**180**		5.0	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**34**		5.0	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**11**		5.0	ppb (v/v)	EPA TO-15	N/A
Hexane	**700**		20	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**46**		5.0	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**120**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**27**		5.0	ppb (v/v)	EPA TO-15	N/A
Toluene	**340**		5.0	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**11**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**38**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-16_061112 (12-06-0893-15)						
Acetone	**31**		3.2	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.3**		0.80	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.92**		0.80	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2.1**		0.80	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**1.5**		0.80	ppb (v/v)	EPA TO-15	N/A
Hexane	**4.2**		3.2	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.89**		0.80	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**110**		0.80	ppb (v/v)	EPA TO-15	N/A
Toluene	**3.1**		0.80	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**7.3**		0.80	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**1.4**		0.80	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**6.1**		2.4	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-17_061112 (12-06-0893-16)						
Acetone	**34**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.97**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.55**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**2.8**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.85**		0.50	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**4.3**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**17**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.8**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**12**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-18_061112 (12-06-0893-17)						
Acetone	**72**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.88**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.7**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**5.7**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.92**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**72**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**27**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1.3**		1.0	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.3**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-19_061112 (12-06-0893-18)						
Acetone	**44**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.52**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**34**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**370**		2.5	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.84**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**31**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**5.1**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5.7**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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		Project name:	Omega - SVE
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Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-20_061112 (12-06-0893-19)						
Acetone	**37**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**2.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**5.9**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**33**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**5.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1.8**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**7.5**		1.5	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.0**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-21_061112 (12-06-0893-20)						
Acetone	**71**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.4**		0.50	ppb (v/v)	EPA TO-15	N/A
Carbon Disulfide	**2.5**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.78**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**25**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4.5**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.9**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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		Project name:	Omega - SVE
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Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-22_061112 (12-06-0893-21)						
Acetone	**51**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.1**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.85**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2.1**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.74**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**42**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**9.7**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.8**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-23_061112 (12-06-0893-22)						
Acetone	**44**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.69**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.6**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloroform	**1.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**25**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	**4.5**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**420**		13	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**13**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1.9**		1.5	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.0**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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		Project name:	Omega - SVE
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DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-24_061112 (12-06-0893-23)						
Acetone	**69**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**3.0**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.75**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3.6**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.99**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.60**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**54**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.7**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**3.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.84**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.8**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-25_061112 (12-06-0893-24)						
Acetone	**48**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.78**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.0**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3.6**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2-Dichlorobenzene	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.95**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.66**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**280**		7.3	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4.5**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5.2**		1.5	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.85**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.8**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-26_061112 (12-06-0893-25)						
Acetone	**200**		10	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**69**		7.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**4.5**		2.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-27_061112 (12-06-0893-26)						
Acetone	**35**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**7.6**		1.5	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.56**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.4**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-3_061112K (12-06-0893-27)						
Acetone	**37**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.82**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-18_061112K (12-06-0893-28)						
Acetone	**38**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.6**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.55**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**6.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**90**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**29**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1.4**		1.0	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.0**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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		Project name:	Omega - SVE
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Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-25_061112K (12-06-0893-29)						
Acetone	**42**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.96**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.8**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**4.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**300**		8.4	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**5.0**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5.9**		1.5	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**1.9**		1.5	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-4S_061112 (12-06-0893-1)						
Acetone	**520**		19	ug/m3	EPA TO-15	N/A
2-Butanone	**6.7**		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	**13**		6.2	ug/m3	EPA TO-15	N/A
Chloromethane	**3.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.2**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**9.2**		2.0	ug/m3	EPA TO-15	N/A
1,4-Dioxane	**56**		36	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**3.5**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.3**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**2.6**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**210**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**9.3**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**17**		2.7	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**3.4**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.9**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**17**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VE-4M_061112 (12-06-0893-2)						
Acetone	**100**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**3.0**		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	**2.0**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**15**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**8.7**		1.9	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**8.1**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VE-5M_061112 (12-06-0893-3)						
Acetone	**140**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.7**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**4.6**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.7**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.2**		2.5	ug/m3	EPA TO-15	N/A
Ethylbenzene	**3.0**		2.2	ug/m3	EPA TO-15	N/A
Hexane	**8.3**		7.0	ug/m3	EPA TO-15	N/A
o-Xylene	**3.9**		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	**10**		8.7	ug/m3	EPA TO-15	N/A
Toluene	**17**		1.9	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-7S_061112 (12-06-0893-4)						
Acetone	**96**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**16**		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**9.5**		2.0	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**2.1**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.0**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**630**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**4.6**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**110**		2.7	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**5.8**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.5**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**16**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-2_061112 (12-06-0893-5)						
Acetone	**170**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2.5**		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**16**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.4**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**330**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**6.8**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**17**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.9**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**17**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-3_061112 (12-06-0893-6)						
Acetone	**75**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.0**		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	**1.3**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.9**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**2.3**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**34**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**7.4**		1.9	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.3**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**15**		7.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-4_061112 (12-06-0893-7)						
Acetone	**59**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.0**		1.6	ug/m3	EPA TO-15	N/A
Chloroform	**3.1**		2.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.6**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**10**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**500**		11	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1200**		19	ug/m3	EPA TO-15	N/A
Toluene	**8.0**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**1100**		15	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**89**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**190**		11	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-5_061112 (12-06-0893-8)						
Acetone	**79**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**9.0**		4.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**12**		2.0	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**3.8**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.3**		2.5	ug/m3	EPA TO-15	N/A
Hexane	**13**		7.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**300**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**5.3**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**44**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**2.8**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**12**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-6_061112 (12-06-0893-9)						
Chloroform	**140**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**150**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**7100**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**89000**		1700	ug/m3	EPA TO-15	N/A
Trichloroethene	**10000**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**270**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**11000**		460	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**1500**		110	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-11_061112 (12-06-0893-10)						
Acetone	**61**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**2.4**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**25**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.9**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1400**		14	ug/m3	EPA TO-15	N/A
Toluene	**3.7**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**75**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.2**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**15**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-12_061112 (12-06-0893-11)						
Acetone	**120**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**43**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**3200**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**130**		13	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-13_061112 (12-06-0893-12)						
Acetone	**39**		4.8	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.8**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**4.3**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**86**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**4.7**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**36**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**4.1**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**18**		7.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-14_061112 (12-06-0893-13)						
Acetone	**93**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**110**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**5.2**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**3.1**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**43**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**5.2**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**9.3**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**4.6**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**19**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-15_061112 (12-06-0893-14)						
Benzene	**560**		16	ug/m3	EPA TO-15	N/A
Ethylbenzene	**150**		22	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**55**		25	ug/m3	EPA TO-15	N/A
Hexane	**2500**		70	ug/m3	EPA TO-15	N/A
o-Xylene	**200**		22	ug/m3	EPA TO-15	N/A
p/m-Xylene	**520**		87	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**180**		34	ug/m3	EPA TO-15	N/A
Toluene	**1300**		19	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**54**		25	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**190**		74	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-16_061112 (12-06-0893-15)						
Acetone	**73**		7.6	ug/m3	EPA TO-15	N/A
Benzene	**4.0**		2.6	ug/m3	EPA TO-15	N/A
Chloromethane	**1.9**		1.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**8.2**		3.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**7.6**		3.9	ug/m3	EPA TO-15	N/A
Hexane	**15**		11	ug/m3	EPA TO-15	N/A
o-Xylene	**3.9**		3.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**770**		5.4	ug/m3	EPA TO-15	N/A
Toluene	**12**		3.0	ug/m3	EPA TO-15	N/A
Trichloroethene	**39**		4.3	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**6.9**		3.9	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**30**		12	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-17_061112 (12-06-0893-16)						
Acetone	**81**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**2.0**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.7**		2.5	ug/m3	EPA TO-15	N/A
Ethylbenzene	**5.6**		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**14**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**3.7**		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	**19**		8.7	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**120**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**4.6**		1.9	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**19**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**59**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-18_061112 (12-06-0893-17)						
Acetone	**170**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.8**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**7.8**		4.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**23**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.5**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**490**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**4.6**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**140**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**7.0**		5.6	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.9**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**16**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-19_061112 (12-06-0893-18)						
Acetone	**110**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**1.7**		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.8**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**130**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2500**		17	ug/m3	EPA TO-15	N/A
Toluene	**3.2**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**170**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**29**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**44**		11	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-20_061112 (12-06-0893-19)						
Acetone	**88**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**14**		2.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.3**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**23**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.9**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**230**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**6.8**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**31**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**9.9**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**57**		11	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.3**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**15**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-21_061112 (12-06-0893-20)						
Acetone	**170**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**4.6**		1.6	ug/m3	EPA TO-15	N/A
Carbon Disulfide	**7.7**		6.2	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3.1**		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	**2.3**		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.8**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**170**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**4.5**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**24**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.4**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**14**		7.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-22_061112 (12-06-0893-21)						
Acetone	**120**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**6.1**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.8**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**8.3**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.7**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**290**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**6.8**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**52**		2.7	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**6.2**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.0**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**14**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-23_061112 (12-06-0893-22)						
Acetone	**100**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.2**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**4.7**		4.4	ug/m3	EPA TO-15	N/A
Chloroform	**8.8**		2.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**99**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.9**		2.5	ug/m3	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	**16**		7.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2800**		89	ug/m3	EPA TO-15	N/A
Toluene	**5.6**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**68**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**15**		11	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.3**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**15**		7.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-24_061112 (12-06-0893-23)						
Acetone	**160**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**8.9**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.6**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**14**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.9**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**2.6**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**360**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**6.3**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**18**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**4.1**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**19**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-25_061112 (12-06-0893-24)						
Acetone	**110**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.5**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**6.0**		4.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**14**		2.0	ug/m3	EPA TO-15	N/A
1,2-Dichlorobenzene	**3.5**		3.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.7**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**2.9**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1900**		50	ug/m3	EPA TO-15	N/A
Toluene	**4.3**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**24**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**40**		11	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**4.2**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**19**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-26_061112 (12-06-0893-25)						
Acetone	**480**		24	ug/m3	EPA TO-15	N/A
2-Butanone	**200**		22	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**30**		17	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-27_061112 (12-06-0893-26)						
Acetone	**83**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**22**		4.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.8**		2.5	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.1**		2.5	ug/m3	EPA TO-15	N/A
Toluene	**3.8**		1.9	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**2.7**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**12**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-3_061112K (12-06-0893-27)						
Acetone	**87**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.7**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**21**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**3.8**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**5.5**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-18_061112K (12-06-0893-28)						
Acetone	**91**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**4.8**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**25**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**610**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.4**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**160**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**7.7**		5.6	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**9.8**		7.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0893
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: OC_SVE_VMP-25_061112K (12-06-0893-29)						
Acetone	**100**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**3.1**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**5.2**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.3**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**17**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2100**		57	ug/m3	EPA TO-15	N/A
Toluene	**2.5**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**27**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**45**		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**9.2**		7.4	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-4S_061112	**12-06-0893-1-A**	**06/11/12 16:15**	**Air**	**GC/MS K**	**N/A**	**06/15/12 03:42**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	220	8.0	4		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.87	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	2.3	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	4.3	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.60	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	1.5	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	31	0.50	1	
Dichlorodifluoromethane	0.64	0.50	1		Toluene	2.5	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	3.2	0.50	1	
1,1-Dichloroethene	2.3	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	0.63	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.80	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.5	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	16	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	0.88	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-4M_061112	**12-06-0893-2-A**	**06/11/12 16:10**	**Air**	**GC/MS K**	**N/A**	**06/15/12 04:34**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	43	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.94	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.95	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	2.2	0.50	1	
Dichlorodifluoromethane	0.60	0.50	1		Toluene	2.3	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	1.7	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5M_061112	**12-06-0893-3-A**	**06/11/12 16:00**	**Air**	**GC/MS K**	**N/A**	**06/15/12 05:28**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	59	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.85	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	0.68	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	2.3	2.0	1	
2-Butanone	1.6	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.90	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	2.4	2.0	1	
Chloromethane	0.83	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.65	0.50	1		Toluene	4.5	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 4 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-7S_061112	**12-06-0893-4-A**	**06/11/12 14:17**	**Air**	**GC/MS K**	**N/A**	**06/15/12 06:21**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	40	2.0	1		t-1,2-Dichloroethene	0.54	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.82	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	93	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	1.2	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	21	0.50	1	
1,1-Dichloroethene	4.2	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	1.1	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.72	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.2	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	2.4	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-2_061112	**12-06-0893-5-A**	**06/11/12 16:05**	**Air**	**GC/MS K**	**N/A**	**06/15/12 07:15**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	72	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.89	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	48	0.50	1	
Dichlorodifluoromethane	0.61	0.50	1		Toluene	1.8	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	3.1	0.50	1	
1,1-Dichloroethene	0.64	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.78	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.5	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	4.0	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-3_061112	**12-06-0893-6-A**	**06/11/12 15:45**	**Air**	**GC/MS K**	**N/A**	**06/15/12 08:08**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	32	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.61	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.79	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.53	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.62	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	5.0	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	2.0	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.68	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.0	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-4_061112	**12-06-0893-7-A**	**06/11/12 14:34**	**Air**	**GC/MS K**	**N/A**	**06/15/12 08:59**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	25	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.63	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	0.63	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.77	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	180	2.8	5.68	
Dichlorodifluoromethane	0.62	0.50	1		Toluene	2.1	0.50	1	
1,1-Dichloroethane	2.5	0.50	1		Trichloroethene	200	2.8	5.68	
1,1-Dichloroethene	130	2.8	5.68		Trichlorofluoromethane	16	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	25	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-5_061112	**12-06-0893-8-A**	**06/11/12 14:10**	**Air**	**GC/MS K**	**N/A**	**06/15/12 09:51**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	33	2.0	1		t-1,2-Dichloroethene	0.96	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.67	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	3.6	2.0	1	
2-Butanone	3.1	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	45	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	1.4	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	8.1	0.50	1	
1,1-Dichloroethene	3.0	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.58	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	2.4	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-6_061112	**12-06-0893-9-A**	**06/11/12 14:06**	**Air**	**GC/MS K**	**N/A**	**06/15/12 10:36**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	29	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	13000	250	500	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	37	20	40		Trichloroethene	1900	20	40	
1,1-Dichloroethene	1800	20	40		Trichlorofluoromethane	48	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	60	40	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	280	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	ND	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-11_061112	**12-06-0893-10-A**	**06/11/12 13:15**	**Air**	**GC/MS K**	**N/A**	**06/15/12 21:49**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	26	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.79	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	0.50	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	200	2.0	4	
Dichlorodifluoromethane	0.60	0.50	1		Toluene	0.99	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	14	0.50	1	
1,1-Dichloroethene	6.2	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.65	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.0	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-12_061112	**12-06-0893-11-A**	**06/11/12 13:09**	**Air**	**GC/MS K**	**N/A**	**06/16/12 01:06**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	52	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	480	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	24	2.5	5	
1,1-Dichloroethene	11	2.5	5		Trichlorofluoromethane	ND	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-13_061112	**12-06-0893-12-A**	**06/11/12 12:25**	**Air**	**GC/MS K**	**N/A**	**06/16/12 17:19**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.98	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	1.0	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	13	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	1.3	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	6.8	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.83	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.6	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 13 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-14_061112	**12-06-0893-13-A**	**06/11/12 12:37**	**Air**	**GC/MS K**	**N/A**	**06/16/12 18:10**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	39	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	1.1	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	37	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.72	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.70	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	6.3	0.50	1	
Dichlorodifluoromethane	0.62	0.50	1		Toluene	1.4	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.7	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.94	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.8	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-15_061112	**12-06-0893-14-A**	**06/11/12 13:01**	**Air**	**GC/MS K**	**N/A**	**06/16/12 18:57**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	180	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	34	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	11	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	700	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	46	5.0	10	
Chloroform	ND	5.0	10		p/m-Xylene	120	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	27	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	340	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	ND	5.0	10	
1,1-Dichloroethene	ND	5.0	10		Trichlorofluoromethane	ND	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	11	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	38	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	84	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-16_061112	**12-06-0893-15-A**	**06/11/12 12:14**	**Air**	**GC/MS K**	**N/A**	**06/16/12 19:46**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	31	3.2	1.6		t-1,2-Dichloroethene	ND	0.80	1.6	
Benzene	1.3	0.80	1.6		t-1,3-Dichloropropene	ND	1.6	1.6	
Benzyl Chloride	ND	2.4	1.6		Ethylbenzene	ND	0.80	1.6	
Bromodichloromethane	ND	0.80	1.6		4-Ethyltoluene	1.5	0.80	1.6	
Bromoform	ND	0.80	1.6		Hexachloro-1,3-Butadiene	ND	2.4	1.6	
Bromomethane	ND	0.80	1.6		Hexane	4.2	3.2	1.6	
2-Butanone	ND	2.4	1.6		2-Hexanone	ND	2.4	1.6	
Carbon Disulfide	ND	3.2	1.6		Methyl-t-Butyl Ether (MTBE)	ND	3.2	1.6	
Carbon Tetrachloride	ND	0.80	1.6		Methylene Chloride	ND	8.0	1.6	
Chlorobenzene	ND	0.80	1.6		4-Methyl-2-Pentanone	ND	2.4	1.6	
Chloroethane	ND	0.80	1.6		o-Xylene	0.89	0.80	1.6	
Chloroform	ND	0.80	1.6		p/m-Xylene	ND	3.2	1.6	
Chloromethane	0.92	0.80	1.6		Styrene	ND	2.4	1.6	
Dibromochloromethane	ND	0.80	1.6		Tetrachloroethene	110	0.80	1.6	
Dichlorodifluoromethane	ND	0.80	1.6		Toluene	3.1	0.80	1.6	
1,1-Dichloroethane	ND	0.80	1.6		Trichloroethene	7.3	0.80	1.6	
1,1-Dichloroethene	2.1	0.80	1.6		Trichlorofluoromethane	ND	1.6	1.6	
1,2-Dibromoethane	ND	0.80	1.6		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.4	1.6	
Dichlorotetrafluoroethane	ND	3.2	1.6		1,1,1-Trichloroethane	ND	0.80	1.6	
1,2-Dichlorobenzene	ND	0.80	1.6		1,1,2-Trichloroethane	ND	0.80	1.6	
1,2-Dichloroethane	ND	0.80	1.6		1,3,5-Trimethylbenzene	1.4	0.80	1.6	
1,2-Dichloropropane	ND	0.80	1.6		1,1,2,2-Tetrachloroethane	ND	1.6	1.6	
1,3-Dichlorobenzene	ND	0.80	1.6		1,2,4-Trimethylbenzene	6.1	2.4	1.6	
1,4-Dichlorobenzene	ND	0.80	1.6		1,2,4-Trichlorobenzene	ND	3.2	1.6	
1,4-Dioxane	ND	16	1.6		Vinyl Acetate	ND	3.2	1.6	
c-1,3-Dichloropropene	ND	0.80	1.6		Vinyl Chloride	ND	0.80	1.6	
c-1,2-Dichloroethene	ND	0.80	1.6		Isopropanol	ND	8.0	1.6	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-17_061112	**12-06-0893-16-A**	**06/11/12 12:53**	**Air**	**GC/MS K**	**N/A**	**06/15/12 22:38**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	34	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	1.3	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	2.8	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.85	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	4.3	2.0	1	
Chloromethane	0.97	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	17	0.50	1	
Dichlorodifluoromethane	0.55	0.50	1		Toluene	1.2	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	3.8	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	12	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-18_061112	**12-06-0893-17-A**	**06/11/12 16:35**	**Air**	**GC/MS K**	**N/A**	**06/15/12 23:28**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	72	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.88	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.92	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	2.7	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	72	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	1.2	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	27	0.50	1	
1,1-Dichloroethene	5.7	0.50	1		Trichlorofluoromethane	1.3	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.79	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.3	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 18 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-19_061112	**12-06-0893-18-A**	**06/11/12 16:45**	**Air**	**GC/MS K**	**N/A**	**06/16/12 00:19**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	44	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.52	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.53	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	370	2.5	5	
Dichlorodifluoromethane	0.57	0.50	1		Toluene	0.84	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	31	0.50	1	
1,1-Dichloroethene	34	0.50	1		Trichlorofluoromethane	5.1	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	5.7	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-20_061112	**12-06-0893-19-A**	**06/11/12 15:55**	**Air**	**GC/MS K**	**N/A**	**06/16/12 07:15**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	37	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.79	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	2.8	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.63	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	33	0.50	1	
Dichlorodifluoromethane	0.61	0.50	1		Toluene	1.8	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	5.8	0.50	1	
1,1-Dichloroethene	5.9	0.50	1		Trichlorofluoromethane	1.8	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	7.5	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.68	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.0	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-21_061112	**12-06-0893-20-A**	**06/11/12 15:30**	**Air**	**GC/MS K**	**N/A**	**06/16/12 08:06**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	71	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	1.4	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	0.53	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.78	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	2.5	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	25	0.50	1	
Dichlorodifluoromethane	0.63	0.50	1		Toluene	1.2	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	4.5	0.50	1	
1,1-Dichloroethene	0.79	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.68	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	2.9	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 21 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-22_061112	**12-06-0893-21-A**	**06/11/12 14:30**	**Air**	**GC/MS K**	**N/A**	**06/16/12 08:57**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	51	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.74	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	2.1	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.85	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	42	0.50	1	
Dichlorodifluoromethane	0.62	0.50	1		Toluene	1.8	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	9.7	0.50	1	
1,1-Dichloroethene	2.1	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	1.1	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.61	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	2.8	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-23_061112	**12-06-0893-22-A**	**06/11/12 13:41**	**Air**	**GC/MS K**	**N/A**	**06/16/12 20:38**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	44	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.69	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.79	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	1.6	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	4.5	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	1.8	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.68	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	420	13	26.1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	1.5	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	13	0.50	1	
1,1-Dichloroethene	25	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	1.9	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.68	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.0	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 23 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-24_061112	**12-06-0893-23-A**	**06/11/12 13:33**	**Air**	**GC/MS K**	**N/A**	**06/16/12 21:33**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	69	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.99	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	3.0	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.60	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.75	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	54	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	1.7	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	3.4	0.50	1	
1,1-Dichloroethene	3.6	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.84	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.8	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-25_061112	**12-06-0893-24-A**	**06/11/12 13:45**	**Air**	**GC/MS K**	**N/A**	**06/16/12 22:24**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	48	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.78	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.95	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	2.0	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.66	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	280	7.3	14.6	
Dichlorodifluoromethane	ND	0.50	1		Toluene	1.1	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	4.5	0.50	1	
1,1-Dichloroethene	3.6	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	5.2	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	0.59	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.85	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.8	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-26_061112	**12-06-0893-25-A**	**06/11/12 15:19**	**Air**	**GC/MS K**	**N/A**	**06/16/12 23:10**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	200	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	69	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	4.5	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	ND	2.5	5	
1,1-Dichloroethene	ND	2.5	5		Trichlorofluoromethane	ND	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-27_061112	**12-06-0893-26-A**	**06/11/12 14:49**	**Air**	**GC/MS K**	**N/A**	**06/17/12 00:03**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	35	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.64	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	7.6	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.56	0.50	1		Toluene	1.0	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.54	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	2.4	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-3_061112K	**12-06-0893-27-A**	**06/11/12 15:50**	**Air**	**GC/MS K**	**N/A**	**06/17/12 00:55**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	37	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.82	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	3.2	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	1.0	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.0	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 28 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-18_061112K	**12-06-0893-28-A**	**06/11/12 16:40**	**Air**	**GC/MS K**	**N/A**	**06/17/12 01:48**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	38	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	1.6	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.55	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	90	0.50	1	
Dichlorodifluoromethane	0.62	0.50	1		Toluene	0.64	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	29	0.50	1	
1,1-Dichloroethene	6.3	0.50	1		Trichlorofluoromethane	1.4	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	2.0	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-25_061112K	**12-06-0893-29-A**	**06/11/12 13:47**	**Air**	**GC/MS K**	**N/A**	**06/17/12 02:42**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	42	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.96	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	1.8	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.67	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	300	8.4	16.9	
Dichlorodifluoromethane	0.67	0.50	1		Toluene	0.67	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	5.0	0.50	1	
1,1-Dichloroethene	4.2	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	5.9	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	1.9	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,168**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/14/12 18:45**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,173**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/15/12 17:10**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,175**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/16/12 14:03**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,189**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/18/12 13:58**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-4S_061112	**12-06-0893-1-A**	**06/11/12 16:15**	**Air**	**GC/MS K**	**N/A**	**06/15/12 03:42**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	520	19	4		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.3	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	6.7	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	13	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	2.6	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	3.1	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	210	3.4	1	
Dichlorodifluoromethane	3.2	2.5	1		Toluene	9.3	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	17	2.7	1	
1,1-Dichloroethene	9.2	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	3.4	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.9	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	17	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	56	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	3.5	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-4M_061112	**12-06-0893-2-A**	**06/11/12 16:10**	**Air**	**GC/MS K**	**N/A**	**06/15/12 04:34**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	100	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	3.0	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	2.0	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	15	3.4	1	
Dichlorodifluoromethane	3.0	2.5	1		Toluene	8.7	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	8.1	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5M_061112	**12-06-0893-3-A**	**06/11/12 16:00**	**Air**	**GC/MS K**	**N/A**	**06/15/12 05:28**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	140	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	2.7	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	3.0	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	8.3	7.0	1	
2-Butanone	4.6	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	3.9	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	10	8.7	1	
Chloromethane	1.7	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	3.2	2.5	1		Toluene	17	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-7S_061112	**12-06-0893-4-A**	**06/11/12 14:17**	**Air**	**GC/MS K**	**N/A**	**06/15/12 06:21**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	96	4.8	1		t-1,2-Dichloroethene	2.1	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.0	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	630	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	4.6	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	110	2.7	1	
1,1-Dichloroethene	16	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	5.8	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.5	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	16	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	9.5	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-2_061112	**12-06-0893-5-A**	**06/11/12 16:05**	**Air**	**GC/MS K**	**N/A**	**06/15/12 07:15**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	170	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.4	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	330	3.4	1	
Dichlorodifluoromethane	3.0	2.5	1		Toluene	6.8	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	17	2.7	1	
1,1-Dichloroethene	2.5	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.9	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	17	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	16	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 6 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-3_061112	**12-06-0893-6-A**	**06/11/12 15:45**	**Air**	**GC/MS K**	**N/A**	**06/15/12 08:08**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	75	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	2.0	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.9	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	2.3	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.3	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	34	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	7.4	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.3	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	15	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 7 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-4_061112	**12-06-0893-7-A**	**06/11/12 14:34**	**Air**	**GC/MS K**	**N/A**	**06/15/12 08:59**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	59	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	2.0	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	3.1	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.6	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	1200	19	5.68	
Dichlorodifluoromethane	3.0	2.5	1		Toluene	8.0	1.9	1	
1,1-Dichloroethane	10	2.0	1		Trichloroethene	1100	15	5.68	
1,1-Dichloroethene	500	11	5.68		Trichlorofluoromethane	89	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	190	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-5_061112	**12-06-0893-8-A**	**06/11/12 14:10**	**Air**	**GC/MS K**	**N/A**	**06/15/12 09:51**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	79	4.8	1		t-1,2-Dichloroethene	3.8	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.3	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	13	7.0	1	
2-Butanone	9.0	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	300	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	5.3	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	44	2.7	1	
1,1-Dichloroethene	12	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	2.8	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	12	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-6_061112	**12-06-0893-9-A**	**06/11/12 14:06**	**Air**	**GC/MS K**	**N/A**	**06/15/12 10:36**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	140	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	89000	1700	500	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	150	81	40		Trichloroethene	10000	110	40	
1,1-Dichloroethene	7100	79	40		Trichlorofluoromethane	270	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	11000	460	40	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	1500	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	ND	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-11_061112	**12-06-0893-10-A**	**06/11/12 13:15**	**Air**	**GC/MS K**	**N/A**	**06/15/12 21:49**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	61	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.9	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	2.4	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	1400	14	4	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	3.7	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	75	2.7	1	
1,1-Dichloroethene	25	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.2	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	15	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 11 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-12_061112	**12-06-0893-11-A**	**06/11/12 13:09**	**Air**	**GC/MS K**	**N/A**	**06/16/12 01:06**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	120	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	ND	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	3200	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	130	13	5	
1,1-Dichloroethene	43	9.9	5		Trichlorofluoromethane	ND	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-13_061112	**12-06-0893-12-A**	**06/11/12 12:25**	**Air**	**GC/MS K**	**N/A**	**06/16/12 17:19**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	39	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.8	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	4.3	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	86	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	4.7	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	36	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	4.1	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	18	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 13 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-14_061112	**12-06-0893-13-A**	**06/11/12 12:37**	**Air**	**GC/MS K**	**N/A**	**06/16/12 18:10**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	93	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	5.2	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	110	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	3.1	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	43	3.4	1	
Dichlorodifluoromethane	3.1	2.5	1		Toluene	5.2	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	9.3	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	4.6	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	19	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-15_061112	**12-06-0893-14-A**	**06/11/12 13:01**	**Air**	**GC/MS K**	**N/A**	**06/16/12 18:57**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	560	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	150	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	55	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	2500	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	200	22	10	
Chloroform	ND	24	10		p/m-Xylene	520	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	180	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	1300	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	ND	27	10	
1,1-Dichloroethene	ND	20	10		Trichlorofluoromethane	ND	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	54	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	190	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	84	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 15 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-16_061112	**12-06-0893-15-A**	**06/11/12 12:14**	**Air**	**GC/MS K**	**N/A**	**06/16/12 19:46**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	73	7.6	1.6		t-1,2-Dichloroethene	ND	3.2	1.6	
Benzene	4.0	2.6	1.6		t-1,3-Dichloropropene	ND	7.3	1.6	
Benzyl Chloride	ND	12	1.6		Ethylbenzene	ND	3.5	1.6	
Bromodichloromethane	ND	5.4	1.6		4-Ethyltoluene	7.6	3.9	1.6	
Bromoform	ND	8.3	1.6		Hexachloro-1,3-Butadiene	ND	26	1.6	
Bromomethane	ND	3.1	1.6		Hexane	15	11	1.6	
2-Butanone	ND	7.1	1.6		2-Hexanone	ND	9.8	1.6	
Carbon Disulfide	ND	10	1.6		Methyl-t-Butyl Ether (MTBE)	ND	12	1.6	
Carbon Tetrachloride	ND	5.0	1.6		Methylene Chloride	ND	28	1.6	
Chlorobenzene	ND	3.7	1.6		4-Methyl-2-Pentanone	ND	9.8	1.6	
Chloroethane	ND	2.1	1.6		o-Xylene	3.9	3.5	1.6	
Chloroform	ND	3.9	1.6		p/m-Xylene	ND	14	1.6	
Chloromethane	1.9	1.7	1.6		Styrene	ND	10	1.6	
Dibromochloromethane	ND	6.8	1.6		Tetrachloroethene	770	5.4	1.6	
Dichlorodifluoromethane	ND	4.0	1.6		Toluene	12	3.0	1.6	
1,1-Dichloroethane	ND	3.2	1.6		Trichloroethene	39	4.3	1.6	
1,1-Dichloroethene	8.2	3.2	1.6		Trichlorofluoromethane	ND	9.0	1.6	
1,2-Dibromoethane	ND	6.1	1.6		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	18	1.6	
Dichlorotetrafluoroethane	ND	22	1.6		1,1,1-Trichloroethane	ND	4.4	1.6	
1,2-Dichlorobenzene	ND	4.8	1.6		1,1,2-Trichloroethane	ND	4.4	1.6	
1,2-Dichloroethane	ND	3.2	1.6		1,3,5-Trimethylbenzene	6.9	3.9	1.6	
1,2-Dichloropropane	ND	3.7	1.6		1,1,2,2-Tetrachloroethane	ND	11	1.6	
1,3-Dichlorobenzene	ND	4.8	1.6		1,2,4-Trimethylbenzene	30	12	1.6	
1,4-Dichlorobenzene	ND	4.8	1.6		1,2,4-Trichlorobenzene	ND	24	1.6	
1,4-Dioxane	ND	58	1.6		Vinyl Acetate	ND	11	1.6	
c-1,3-Dichloropropene	ND	3.6	1.6		Vinyl Chloride	ND	2.0	1.6	
c-1,2-Dichloroethene	ND	3.2	1.6		Isopropanol	ND	20	1.6	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-17_061112	**12-06-0893-16-A**	**06/11/12 12:53**	**Air**	**GC/MS K**	**N/A**	**06/15/12 22:38**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	81	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	5.6	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	14	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	3.7	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	19	8.7	1	
Chloromethane	2.0	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	120	3.4	1	
Dichlorodifluoromethane	2.7	2.5	1		Toluene	4.6	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	19	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	59	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-18_061112	**12-06-0893-17-A**	**06/11/12 16:35**	**Air**	**GC/MS K**	**N/A**	**06/15/12 23:28**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	170	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	2.8	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.5	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	7.8	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	490	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	4.6	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	140	2.7	1	
1,1-Dichloroethene	23	2.0	1		Trichlorofluoromethane	7.0	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.9	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	16	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-19_061112	**12-06-0893-18-A**	**06/11/12 16:45**	**Air**	**GC/MS K**	**N/A**	**06/16/12 00:19**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	110	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	1.7	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.1	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2500	17	5	
Dichlorodifluoromethane	2.8	2.5	1		Toluene	3.2	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	170	2.7	1	
1,1-Dichloroethene	130	2.0	1		Trichlorofluoromethane	29	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	44	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-20_061112	**12-06-0893-19-A**	**06/11/12 15:55**	**Air**	**GC/MS K**	**N/A**	**06/16/12 07:15**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	88	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.9	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	14	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.3	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	230	3.4	1	
Dichlorodifluoromethane	3.0	2.5	1		Toluene	6.8	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	31	2.7	1	
1,1-Dichloroethene	23	2.0	1		Trichlorofluoromethane	9.9	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	57	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.3	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	15	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-21_061112	**12-06-0893-20-A**	**06/11/12 15:30**	**Air**	**GC/MS K**	**N/A**	**06/16/12 08:06**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	170	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	4.6	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	2.3	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.8	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	7.7	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	170	3.4	1	
Dichlorodifluoromethane	3.1	2.5	1		Toluene	4.5	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	24	2.7	1	
1,1-Dichloroethene	3.1	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.4	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	14	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-22_061112	**12-06-0893-21-A**	**06/11/12 14:30**	**Air**	**GC/MS K**	**N/A**	**06/16/12 08:57**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	120	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.7	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	6.1	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.8	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	290	3.4	1	
Dichlorodifluoromethane	3.1	2.5	1		Toluene	6.8	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	52	2.7	1	
1,1-Dichloroethene	8.3	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	6.2	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.0	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	14	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-23_061112	**12-06-0893-22-A**	**06/11/12 13:41**	**Air**	**GC/MS K**	**N/A**	**06/16/12 20:38**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	100	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	2.2	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.9	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	4.7	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	16	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	8.8	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2800	89	26.1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	5.6	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	68	2.7	1	
1,1-Dichloroethene	99	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	15	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.3	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	15	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 23 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-24_061112	**12-06-0893-23-A**	**06/11/12 13:33**	**Air**	**GC/MS K**	**N/A**	**06/16/12 21:33**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	160	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.9	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	8.9	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	2.6	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.6	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	360	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	6.3	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	18	2.7	1	
1,1-Dichloroethene	14	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	4.1	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	19	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 24 of 33

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-25_061112	**12-06-0893-24-A**	**06/11/12 13:45**	**Air**	**GC/MS K**	**N/A**	**06/16/12 22:24**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	110	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	2.5	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.7	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	6.0	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	2.9	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	1900	50	14.6	
Dichlorodifluoromethane	ND	2.5	1		Toluene	4.3	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	24	2.7	1	
1,1-Dichloroethene	14	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	40	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	3.5	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	4.2	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	19	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-26_061112	**12-06-0893-25-A**	**06/11/12 15:19**	**Air**	**GC/MS K**	**N/A**	**06/16/12 23:10**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	480	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	200	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	ND	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	30	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	ND	13	5	
1,1-Dichloroethene	ND	9.9	5		Trichlorofluoromethane	ND	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-27_061112	**12-06-0893-26-A**	**06/11/12 14:49**	**Air**	**GC/MS K**	**N/A**	**06/17/12 00:03**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	83	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.1	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	22	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	2.8	2.5	1		Toluene	3.8	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	2.7	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	12	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	06/13/12
Work Order No:	12-06-0893
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-3_061112K	**12-06-0893-27-A**	**06/11/12 15:50**	**Air**	**GC/MS K**	**N/A**	**06/17/12 00:55**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	87	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.7	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	21	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	3.8	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	5.5	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-18_061112K	**12-06-0893-28-A**	**06/11/12 16:40**	**Air**	**GC/MS K**	**N/A**	**06/17/12 01:48**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	91	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	4.8	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.1	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	610	3.4	1	
Dichlorodifluoromethane	3.1	2.5	1		Toluene	2.4	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	160	2.7	1	
1,1-Dichloroethene	25	2.0	1		Trichlorofluoromethane	7.7	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	9.8	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-25_061112K	**12-06-0893-29-A**	**06/11/12 13:47**	**Air**	**GC/MS K**	**N/A**	**06/17/12 02:42**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	100	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	3.1	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	5.2	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2100	57	16.9	
Dichlorodifluoromethane	3.3	2.5	1		Toluene	2.5	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	27	2.7	1	
1,1-Dichloroethene	17	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	45	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	9.2	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,168**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/14/12 18:45**	**120614L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,173**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/15/12 17:10**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,175**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/16/12 14:03**	**120616L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0893
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,189**	**N/A**	**Air**	**GC/MS K**	**N/A**	**06/18/12 13:58**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,168	**Air**	**GC/MS K**	**N/A**	**06/14/12**	**120614L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	122.9	108.0	88	106.3	86	50-150	33-167	2	0-35	
n-Propylbenzene	122.9	107.3	87	105.4	86	50-150	33-167	2	0-35	
Acetone	59.39	60.26	101	59.68	100	50-150	33-167	1	0-35	
Benzene	79.87	83.88	105	84.03	105	60-156	44-172	0	0-40	
Benzyl Chloride	129.4	125.3	97	126.3	98	50-150	33-167	1	0-35	
Bromodichloromethane	167.5	164.4	98	164.5	98	50-150	33-167	0	0-35	
Bromoform	258.4	217.0	84	212.3	82	62-134	50-146	2	0-38	
Bromomethane	97.08	108.6	112	108.9	112	50-150	33-167	0	0-35	
1,3-Butadiene	55.31	59.34	107	59.92	108	50-150	33-167	1	0-35	
2-Butanone	73.73	81.23	110	79.37	108	50-150	33-167	2	0-35	
Carbon Disulfide	77.85	93.14	120	92.83	119	50-150	33-167	0	0-35	
Carbon Tetrachloride	157.3	160.2	102	160.5	102	64-154	49-169	0	0-32	
Chlorobenzene	115.1	115.3	100	114.3	99	50-150	33-167	1	0-35	
Chloroethane	65.96	81.13	123	81.13	123	50-150	33-167	0	0-35	
Chloroform	122.1	115.7	95	115.9	95	50-150	33-167	0	0-35	
Chloromethane	51.63	63.94	124	64.02	124	50-150	33-167	0	0-35	
Cyclohexane	86.05	89.40	104	89.77	104	50-150	33-167	0	0-35	
Dibromochloromethane	213.0	221.5	104	222.0	104	50-150	33-167	0	0-35	
Dichlorodifluoromethane	123.6	121.4	98	129.7	105	50-150	33-167	7	0-35	
Diisopropyl Ether (DIPE)	104.5	96.25	92	95.28	91	50-150	33-167	1	0-35	
1,1-Dichloroethane	101.2	103.7	103	100.2	99	50-150	33-167	3	0-35	
1,1-Dichloroethene	99.12	98.13	99	99.74	101	50-150	33-167	2	0-35	
1,2-Dibromoethane	192.1	197.0	103	197.1	103	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	174.8	155.9	89	156.0	89	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	150.3	139.0	93	138.7	92	34-160	13-181	0	0-47	
1,2-Dichloroethane	101.2	95.25	94	94.95	94	69-153	55-167	0	0-35	
1,2-Dichloropropane	115.5	118.3	102	118.4	102	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	150.3	142.6	95	140.2	93	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	150.3	141.8	94	140.7	94	36-156	16-176	1	0-47	
1,4-Dioxane	90.09	84.67	94	85.44	95	50-150	33-167	1	0-35	
c-1,3-Dichloropropene	113.5	117.9	104	117.6	104	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	99.12	106.3	107	105.2	106	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,168	**Air**	**GC/MS K**	**N/A**	**06/14/12**	**120614L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	99.12	104.3	105	96.97	98	50-150	33-167	7	0-35	
t-1,3-Dichloropropene	113.5	127.6	112	128.1	113	50-150	33-167	0	0-35	
Ethanol	188.4	149.6	79	148.2	79	50-150	33-167	1	0-35	
Ethyl Acetate	90.09	96.32	107	95.04	105	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	104.5	89.94	86	90.17	86	50-150	33-167	0	0-35	
Ethylbenzene	108.6	104.0	96	102.9	95	52-154	35-171	1	0-38	
4-Ethyltoluene	122.9	115.7	94	114.1	93	50-150	33-167	1	0-35	
Heptane	102.5	106.4	104	107.3	105	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	266.6	176.4	66	178.9	67	50-150	33-167	1	0-35	
Hexane	88.12	97.18	110	97.34	110	50-150	33-167	0	0-35	
2-Hexanone	102.4	106.0	103	106.5	104	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	90.13	79.43	88	77.47	86	50-150	33-167	2	0-35	
Methylene Chloride	86.84	92.13	106	93.56	108	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	102.4	106.9	104	106.8	104	50-150	33-167	0	0-35	
Naphthalene	131.1	95.29	73	101.5	77	40-190	15-215	6	0-35	
o-Xylene	108.6	99.26	91	97.98	90	52-148	36-164	1	0-38	
p/m-Xylene	217.1	207.6	96	205.6	95	42-156	23-175	1	0-41	
Propene	43.03	49.81	116	52.12	121	50-150	33-167	5	0-35	
Styrene	106.5	101.3	95	99.41	93	50-150	33-167	2	0-35	
Tert-Amyl-Methyl Ether (TAME)	104.5	80.57	77	81.14	78	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	151.6	119.0	79	121.7	80	50-150	33-167	2	0-35	
Tetrachloroethene	169.6	161.5	95	160.4	95	56-152	40-168	1	0-40	
Tetrahydrofuran	73.73	79.72	108	79.33	108	50-150	33-167	0	0-35	
Toluene	94.21	99.27	105	99.25	105	56-146	41-161	0	0-43	
Trichloroethene	134.3	134.7	100	134.4	100	63-159	47-175	0	0-34	
Trichlorofluoromethane	140.5	131.7	94	132.8	95	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	186.5	97	186.4	97	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	136.4	124.2	91	124.6	91	50-150	33-167	0	0-35	
1,1,2-Trichloroethane	136.4	138.3	101	138.4	101	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	150.7	132.4	88	130.1	86	50-150	33-167	2	0-35	
Acrolein	57.32	60.40	105	61.13	107	50-150	33-167	1	0-35	
Acrylonitrile	54.25	54.31	100	54.65	101	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,168	**Air**	**GC/MS K**	**N/A**	**06/14/12**	**120614L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	102.4	110.4	108	110.4	108	50-150	33-167	0	0-35	
Propane	90.18	99.91	111	108.0	120	50-150	33-167	8	0-35	
Butane	118.9	130.6	110	130.7	110	50-150	33-167	0	0-35	
Methanol	98.28	54.94	56	53.36	54	50-150	33-167	3	0-35	
2,2,4-Trimethyl Pentane	116.8	110.2	94	111.1	95	50-150	33-167	1	0-35	
Isobutane	118.9	129.1	109	129.2	109	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	104.3	110.1	106	110.7	106	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	122.9	113.3	92	113.4	92	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	171.6	159.2	93	157.5	92	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	122.9	113.7	93	113.4	92	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	185.5	136.8	74	142.9	77	50-150	33-167	4	0-35	
Vinyl Acetate	88.03	85.74	97	81.70	93	50-150	33-167	5	0-35	
Vinyl Chloride	63.91	70.67	111	71.30	112	45-177	23-199	1	0-36	
1,1-Difluoroethane	67.54	70.41	104	72.57	107	50-150	33-167	3	0-35	
Isopropanol	61.45	56.02	91	57.02	93	50-150	33-167	2	0-35	
2-Chlorotoluene	129.4	118.0	91	114.2	88	50-150	33-167	3	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,173	**Air**	**GC/MS K**	**N/A**	**06/15/12**	**120615L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	122.9	117.5	96	116.1	94	50-150	33-167	1	0-35	
n-Propylbenzene	122.9	116.6	95	115.8	94	50-150	33-167	1	0-35	
Acetone	59.39	67.21	113	66.79	112	50-150	33-167	1	0-35	
Benzene	79.87	93.98	118	93.96	118	60-156	44-172	0	0-40	
Benzyl Chloride	129.4	135.6	105	133.8	103	50-150	33-167	1	0-35	
Bromodichloromethane	167.5	184.0	110	183.1	109	50-150	33-167	1	0-35	
Bromoform	258.4	235.4	91	234.2	91	62-134	50-146	1	0-38	
Bromomethane	97.08	122.2	126	122.1	126	50-150	33-167	0	0-35	
1,3-Butadiene	55.31	67.15	121	67.59	122	50-150	33-167	1	0-35	
2-Butanone	73.73	91.71	124	90.96	123	50-150	33-167	1	0-35	
Carbon Disulfide	77.85	104.0	134	103.2	133	50-150	33-167	1	0-35	
Carbon Tetrachloride	157.3	177.5	113	178.1	113	64-154	49-169	0	0-32	
Chlorobenzene	115.1	127.9	111	126.6	110	50-150	33-167	1	0-35	
Chloroethane	65.96	91.09	138	90.81	138	50-150	33-167	0	0-35	
Chloroform	122.1	130.3	107	130.6	107	50-150	33-167	0	0-35	
Chloromethane	51.63	72.37	140	72.59	141	50-150	33-167	0	0-35	
Cyclohexane	86.05	99.38	115	99.61	116	50-150	33-167	0	0-35	
Dibromochloromethane	213.0	245.5	115	243.2	114	50-150	33-167	1	0-35	
Dichlorodifluoromethane	123.6	137.1	111	140.5	114	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	104.5	108.1	103	108.0	103	50-150	33-167	0	0-35	
1,1-Dichloroethane	101.2	116.4	115	116.6	115	50-150	33-167	0	0-35	
1,1-Dichloroethene	99.12	111.5	112	110.4	111	50-150	33-167	1	0-35	
1,2-Dibromoethane	192.1	219.8	114	217.6	113	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	174.8	176.2	101	175.8	101	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	150.3	152.3	101	149.6	100	34-160	13-181	2	0-47	
1,2-Dichloroethane	101.2	106.9	106	107.0	106	69-153	55-167	0	0-35	
1,2-Dichloropropane	115.5	131.8	114	131.6	114	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	150.3	154.6	103	152.0	101	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	150.3	153.4	102	151.7	101	36-156	16-176	1	0-47	
1,4-Dioxane	90.09	97.30	108	97.75	108	50-150	33-167	0	0-35	
c-1,3-Dichloropropene	113.5	131.0	115	130.9	115	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	99.12	119.9	121	119.8	121	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,173	**Air**	**GC/MS K**	**N/A**	**06/15/12**	**120615L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	99.12	117.3	118	117.8	119	50-150	33-167	0	0-35	
t-1,3-Dichloropropene	113.5	142.6	126	142.7	126	50-150	33-167	0	0-35	
Ethanol	188.4	174.8	93	177.5	94	50-150	33-167	2	0-35	
Ethyl Acetate	90.09	107.7	120	108.0	120	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	104.5	97.49	93	98.83	95	50-150	33-167	1	0-35	
Ethylbenzene	108.6	115.5	106	114.0	105	52-154	35-171	1	0-38	
4-Ethyltoluene	122.9	124.9	102	124.1	101	50-150	33-167	1	0-35	
Heptane	102.5	119.2	116	119.6	117	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	266.6	194.6	73	191.3	72	50-150	33-167	2	0-35	
Hexane	88.12	109.3	124	109.7	124	50-150	33-167	0	0-35	
2-Hexanone	102.4	116.9	114	114.7	112	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	90.13	86.96	96	87.79	97	50-150	33-167	1	0-35	
Methylene Chloride	86.84	104.8	121	104.0	120	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	102.4	120.1	117	118.8	116	50-150	33-167	1	0-35	
Naphthalene	131.1	108.7	83	103.3	79	40-190	15-215	5	0-35	
o-Xylene	108.6	109.5	101	108.5	100	52-148	36-164	1	0-38	
p/m-Xylene	217.1	228.7	105	227.6	105	42-156	23-175	1	0-41	
Propene	43.03	56.11	130	57.11	133	50-150	33-167	2	0-35	
Styrene	106.5	110.9	104	110.0	103	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	104.5	85.97	82	87.37	84	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	151.6	131.9	87	132.8	88	50-150	33-167	1	0-35	
Tetrachloroethene	169.6	179.5	106	175.7	104	56-152	40-168	2	0-40	
Tetrahydrofuran	73.73	89.73	122	89.51	121	50-150	33-167	0	0-35	
Toluene	94.21	110.3	117	108.6	115	56-146	41-161	2	0-43	
Trichloroethene	134.3	150.6	112	149.4	111	63-159	47-175	1	0-34	
Trichlorofluoromethane	140.5	148.4	106	147.4	105	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	209.2	109	208.6	109	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	136.4	139.3	102	139.4	102	50-150	33-167	0	0-35	
1,1,2-Trichloroethane	136.4	155.4	114	155.3	114	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	150.7	144.0	95	141.1	94	50-150	33-167	2	0-35	
Acrolein	57.32	69.38	121	69.05	120	50-150	33-167	0	0-35	
Acrylonitrile	54.25	61.30	113	61.89	114	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,173	**Air**	**GC/MS K**	**N/A**	**06/15/12**	**120615L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	102.4	123.5	121	123.3	120	50-150	33-167	0	0-35	
Propane	90.18	112.4	125	116.8	129	50-150	33-167	4	0-35	
Butane	118.9	147.8	124	148.0	124	50-150	33-167	0	0-35	
Methanol	98.28	61.00	62	63.64	65	50-150	33-167	4	0-35	
2,2,4-Trimethyl Pentane	116.8	123.4	106	123.1	105	50-150	33-167	0	0-35	
Isobutane	118.9	145.1	122	145.8	123	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	104.3	124.7	120	123.8	119	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	122.9	123.4	100	121.7	99	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	171.6	173.7	101	171.5	100	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	122.9	123.9	101	122.5	100	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	185.5	154.1	83	148.2	80	50-150	33-167	4	0-35	
Vinyl Acetate	88.03	96.65	110	95.44	108	50-150	33-167	1	0-35	
Vinyl Chloride	63.91	80.36	126	80.30	126	45-177	23-199	0	0-36	
1,1-Difluoroethane	67.54	79.27	117	79.63	118	50-150	33-167	0	0-35	
Isopropanol	61.45	64.35	105	64.42	105	50-150	33-167	0	0-35	
2-Chlorotoluene	129.4	127.0	98	126.8	98	50-150	33-167	0	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,175	**Air**	**GC/MS K**	**N/A**	**06/16/12**	**120616L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	122.9	116.3	95	115.7	94	50-150	33-167	1	0-35	
n-Propylbenzene	122.9	116.9	95	114.0	93	50-150	33-167	3	0-35	
Acetone	59.39	64.27	108	65.23	110	50-150	33-167	1	0-35	
Benzene	79.87	90.03	113	90.98	114	60-156	44-172	1	0-40	
Benzyl Chloride	129.4	133.7	103	132.9	103	50-150	33-167	1	0-35	
Bromodichloromethane	167.5	177.9	106	179.0	107	50-150	33-167	1	0-35	
Bromoform	258.4	231.2	89	232.7	90	62-134	50-146	1	0-38	
Bromomethane	97.08	117.0	121	119.0	123	50-150	33-167	2	0-35	
1,3-Butadiene	55.31	65.05	118	65.99	119	50-150	33-167	1	0-35	
2-Butanone	73.73	85.19	116	86.07	117	50-150	33-167	1	0-35	
Carbon Disulfide	77.85	99.73	128	101.8	131	50-150	33-167	2	0-35	
Carbon Tetrachloride	157.3	172.8	110	172.8	110	64-154	49-169	0	0-32	
Chlorobenzene	115.1	124.3	108	124.7	108	50-150	33-167	0	0-35	
Chloroethane	65.96	87.94	133	89.25	135	50-150	33-167	1	0-35	
Chloroform	122.1	126.1	103	127.4	104	50-150	33-167	1	0-35	
Chloromethane	51.63	69.82	135	70.64	137	50-150	33-167	1	0-35	
Cyclohexane	86.05	96.58	112	96.89	113	50-150	33-167	0	0-35	
Dibromochloromethane	213.0	238.7	112	239.4	112	50-150	33-167	0	0-35	
Dichlorodifluoromethane	123.6	139.5	113	136.6	111	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	104.5	103.7	99	104.6	100	50-150	33-167	1	0-35	
1,1-Dichloroethane	101.2	112.7	111	113.0	112	50-150	33-167	0	0-35	
1,1-Dichloroethene	99.12	107.6	109	109.3	110	50-150	33-167	2	0-35	
1,2-Dibromoethane	192.1	214.1	111	215.0	112	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	174.8	171.3	98	171.4	98	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	150.3	150.4	100	147.9	98	34-160	13-181	2	0-47	
1,2-Dichloroethane	101.2	103.2	102	104.8	104	69-153	55-167	1	0-35	
1,2-Dichloropropane	115.5	127.2	110	127.7	111	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	150.3	155.1	103	151.2	101	50-150	33-167	3	0-35	
1,4-Dichlorobenzene	150.3	153.8	102	150.6	100	36-156	16-176	2	0-47	
1,4-Dioxane	90.09	93.55	104	94.17	105	50-150	33-167	1	0-35	
c-1,3-Dichloropropene	113.5	127.1	112	128.2	113	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	99.12	115.2	116	117.3	118	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,175	**Air**	**GC/MS K**	**N/A**	**06/16/12**	**120616L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	99.12	113.4	114	112.9	114	50-150	33-167	0	0-35	
t-1,3-Dichloropropene	113.5	137.2	121	139.1	123	50-150	33-167	1	0-35	
Ethanol	188.4	169.8	90	171.0	91	50-150	33-167	1	0-35	
Ethyl Acetate	90.09	103.8	115	105.0	117	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	104.5	93.04	89	95.51	91	50-150	33-167	3	0-35	
Ethylbenzene	108.6	111.8	103	112.4	104	52-154	35-171	1	0-38	
4-Ethyltoluene	122.9	125.3	102	122.9	100	50-150	33-167	2	0-35	
Heptane	102.5	115.5	113	115.7	113	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	266.6	188.8	71	189.4	71	50-150	33-167	0	0-35	
Hexane	88.12	106.3	121	107.3	122	50-150	33-167	1	0-35	
2-Hexanone	102.4	112.9	110	111.3	109	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	90.13	83.96	93	84.86	94	50-150	33-167	1	0-35	
Methylene Chloride	86.84	100.3	115	101.9	117	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	102.4	114.7	112	115.0	112	50-150	33-167	0	0-35	
Naphthalene	131.1	100.3	77	105.6	81	40-190	15-215	5	0-35	
o-Xylene	108.6	106.7	98	107.1	99	52-148	36-164	0	0-38	
p/m-Xylene	217.1	223.5	103	224.3	103	42-156	23-175	0	0-41	
Propene	43.03	56.30	131	55.85	130	50-150	33-167	1	0-35	
Styrene	106.5	109.2	102	109.3	103	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	104.5	81.98	78	83.39	80	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	151.6	126.9	84	129.3	85	50-150	33-167	2	0-35	
Tetrachloroethene	169.6	173.3	102	172.7	102	56-152	40-168	0	0-40	
Tetrahydrofuran	73.73	86.15	117	87.15	118	50-150	33-167	1	0-35	
Toluene	94.21	106.8	113	106.5	113	56-146	41-161	0	0-43	
Trichloroethene	134.3	145.2	108	145.9	109	63-159	47-175	0	0-34	
Trichlorofluoromethane	140.5	143.1	102	143.7	102	50-150	33-167	0	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	201.2	105	203.7	106	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	136.4	134.3	98	136.2	100	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	136.4	149.3	109	151.1	111	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	150.7	142.7	95	142.2	94	50-150	33-167	0	0-35	
Acrolein	57.32	66.31	116	67.41	118	50-150	33-167	2	0-35	
Acrylonitrile	54.25	59.97	111	59.99	111	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,175	**Air**	**GC/MS K**	**N/A**	**06/16/12**	**120616L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	102.4	119.0	116	120.4	118	50-150	33-167	1	0-35	
Propane	90.18	116.6	129	113.5	126	50-150	33-167	3	0-35	
Butane	118.9	142.9	120	145.1	122	50-150	33-167	1	0-35	
Methanol	98.28	60.09	61	56.43	57	50-150	33-167	6	0-35	
2,2,4-Trimethyl Pentane	116.8	118.8	102	119.1	102	50-150	33-167	0	0-35	
Isobutane	118.9	141.5	119	141.7	119	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	104.3	119.7	115	122.2	117	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	122.9	123.1	100	121.1	99	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	171.6	171.6	100	168.6	98	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	122.9	123.3	100	121.2	99	50-150	33-167	2	0-35	
1,2,4-Trichlorobenzene	185.5	145.1	78	150.1	81	50-150	33-167	3	0-35	
Vinyl Acetate	88.03	91.01	103	93.01	106	50-150	33-167	2	0-35	
Vinyl Chloride	63.91	77.66	122	78.59	123	45-177	23-199	1	0-36	
1,1-Difluoroethane	67.54	77.54	115	77.60	115	50-150	33-167	0	0-35	
Isopropanol	61.45	62.29	101	62.74	102	50-150	33-167	1	0-35	
2-Chlorotoluene	129.4	127.4	98	125.8	97	50-150	33-167	1	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,189	**Air**	**GC/MS K**	**N/A**	**06/18/12**	**120618L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	122.9	106.5	87	106.4	87	50-150	33-167	0	0-35	
n-Propylbenzene	122.9	105.4	86	105.3	86	50-150	33-167	0	0-35	
Acetone	59.39	61.41	103	60.65	102	50-150	33-167	1	0-35	
Benzene	79.87	81.16	102	82.15	103	60-156	44-172	1	0-40	
Benzyl Chloride	129.4	130.8	101	130.2	101	50-150	33-167	0	0-35	
Bromodichloromethane	167.5	163.8	98	164.0	98	50-150	33-167	0	0-35	
Bromoform	258.4	213.4	83	213.7	83	62-134	50-146	0	0-38	
Bromomethane	97.08	108.9	112	109.9	113	50-150	33-167	1	0-35	
1,3-Butadiene	55.31	60.37	109	60.96	110	50-150	33-167	1	0-35	
2-Butanone	73.73	77.60	105	79.25	107	50-150	33-167	2	0-35	
Carbon Disulfide	77.85	93.08	120	93.63	120	50-150	33-167	1	0-35	
Carbon Tetrachloride	157.3	162.2	103	161.6	103	64-154	49-169	0	0-32	
Chlorobenzene	115.1	113.8	99	115.2	100	50-150	33-167	1	0-35	
Chloroethane	65.96	81.67	124	82.43	125	50-150	33-167	1	0-35	
Chloroform	122.1	115.0	94	116.4	95	50-150	33-167	1	0-35	
Chloromethane	51.63	64.25	124	65.72	127	50-150	33-167	2	0-35	
Cyclohexane	86.05	86.51	101	87.65	102	50-150	33-167	1	0-35	
Dibromochloromethane	213.0	222.4	104	225.6	106	50-150	33-167	1	0-35	
Dichlorodifluoromethane	123.6	124.7	101	124.6	101	50-150	33-167	0	0-35	
Diisopropyl Ether (DIPE)	104.5	95.52	91	97.70	94	50-150	33-167	2	0-35	
1,1-Dichloroethane	101.2	101.2	100	104.3	103	50-150	33-167	3	0-35	
1,1-Dichloroethene	99.12	100.5	101	100.5	101	50-150	33-167	0	0-35	
1,2-Dibromoethane	192.1	197.3	103	199.9	104	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	174.8	157.2	90	159.6	91	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	150.3	142.1	95	141.6	94	34-160	13-181	0	0-47	
1,2-Dichloroethane	101.2	95.87	95	96.84	96	69-153	55-167	1	0-35	
1,2-Dichloropropane	115.5	114.8	99	116.7	101	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	150.3	142.2	95	141.2	94	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	150.3	142.3	95	141.2	94	36-156	16-176	1	0-47	
1,4-Dioxane	90.09	84.97	94	85.53	95	50-150	33-167	1	0-35	
c-1,3-Dichloropropene	113.5	115.9	102	116.7	103	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	99.12	102.5	103	105.2	106	50-150	33-167	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,189	**Air**	**GC/MS K**	**N/A**	**06/18/12**	**120618L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	99.12	98.86	100	102.8	104	50-150	33-167	4	0-35	
t-1,3-Dichloropropene	113.5	127.0	112	127.7	113	50-150	33-167	1	0-35	
Ethanol	188.4	160.3	85	161.3	86	50-150	33-167	1	0-35	
Ethyl Acetate	90.09	95.06	106	97.16	108	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	104.5	89.49	86	91.21	87	50-150	33-167	2	0-35	
Ethylbenzene	108.6	102.1	94	103.8	96	52-154	35-171	2	0-38	
4-Ethyltoluene	122.9	113.9	93	113.4	92	50-150	33-167	0	0-35	
Heptane	102.5	103.2	101	104.8	102	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	266.6	186.2	70	187.9	70	50-150	33-167	1	0-35	
Hexane	88.12	95.15	108	97.22	110	50-150	33-167	2	0-35	
2-Hexanone	102.4	103.2	101	105.9	103	50-150	33-167	3	0-35	
Methyl-t-Butyl Ether (MTBE)	90.13	79.62	88	81.10	90	50-150	33-167	2	0-35	
Methylene Chloride	86.84	93.69	108	94.05	108	50-150	33-167	0	0-35	
4-Methyl-2-Pentanone	102.4	103.2	101	104.6	102	50-150	33-167	1	0-35	
Naphthalene	131.1	103.5	79	103.4	79	40-190	15-215	0	0-35	
o-Xylene	108.6	97.82	90	98.25	91	52-148	36-164	0	0-38	
p/m-Xylene	217.1	205.2	95	207.3	95	42-156	23-175	1	0-41	
Propene	43.03	49.86	116	50.25	117	50-150	33-167	1	0-35	
Styrene	106.5	99.17	93	99.17	93	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	104.5	81.97	78	82.57	79	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	151.6	126.7	84	126.7	84	50-150	33-167	0	0-35	
Tetrachloroethene	169.6	160.3	95	163.7	97	56-152	40-168	2	0-40	
Tetrahydrofuran	73.73	77.24	105	79.03	107	50-150	33-167	2	0-35	
Toluene	94.21	97.51	103	99.39	105	56-146	41-161	2	0-43	
Trichloroethene	134.3	131.6	98	133.0	99	63-159	47-175	1	0-34	
Trichlorofluoromethane	140.5	134.1	95	133.7	95	50-150	33-167	0	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	187.8	98	188.5	98	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	136.4	124.8	92	126.3	93	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	136.4	135.7	100	136.1	100	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	150.7	130.8	87	130.6	87	50-150	33-167	0	0-35	
Acrolein	57.32	61.81	108	62.53	109	50-150	33-167	1	0-35	
Acrylonitrile	54.25	55.64	103	56.23	104	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0893
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,189	**Air**	**GC/MS K**	**N/A**	**06/18/12**	**120618L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	102.4	107.6	105	108.7	106	50-150	33-167	1	0-35	
Propane	90.18	102.2	113	103.5	115	50-150	33-167	1	0-35	
Butane	118.9	132.6	112	135.3	114	50-150	33-167	2	0-35	
Methanol	98.28	53.42	54	54.51	55	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	116.8	107.0	92	108.3	93	50-150	33-167	1	0-35	
Isobutane	118.9	131.2	110	133.2	112	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	104.3	109.7	105	110.4	106	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	122.9	113.7	92	113.3	92	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	171.6	156.3	91	156.4	91	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	122.9	114.8	93	114.8	93	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	185.5	147.5	80	148.5	80	50-150	33-167	1	0-35	
Vinyl Acetate	88.03	84.31	96	86.18	98	50-150	33-167	2	0-35	
Vinyl Chloride	63.91	71.58	112	72.63	114	45-177	23-199	1	0-36	
1,1-Difluoroethane	67.54	69.93	104	69.96	104	50-150	33-167	0	0-35	
Isopropanol	61.45	59.90	97	60.12	98	50-150	33-167	0	0-35	
2-Chlorotoluene	129.4	115.4	89	114.4	88	50-150	33-167	1	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-0893**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE-4S_061112	-2.00	-29.70	LC454	Summa Canister 1L
OC_SVE_VE-4M_061112	-2.00	-29.70	LC191	Summa Canister 1L
OC_SVE_VE-5M_061112	-5.00	-29.70	LC275	Summa Canister 1L
OC_SVE_VE-7S_061112	-5.00	-29.70	LC525	Summa Canister 1L
OC_SVE_VMP-2_061112	-5.00	-29.70	LC396	Summa Canister 1L
OC_SVE_VMP-3_061112	-5.00	-29.70	SLC043	Summa Canister 1L
OC_SVE_VMP-4_061112	-2.00	-29.70	LC407	Summa Canister 1L
OC_SVE_VMP-5_061112	-5.00	-29.70	LC371	Summa Canister 1L
OC_SVE_VMP-6_061112	-5.00	-29.70	SLC108	Summa Canister 1L
OC_SVE_VMP-11_061112	-5.00	-29.60	LC521	Summa Canister 1L
OC_SVE_VMP-12_061112	-5.00	-29.70	SLC034	Summa Canister 1L
OC_SVE_VMP-13_061112	-5.00	-29.70	SLC097	Summa Canister 1L
OC_SVE_VMP-14_061112	-5.00	-29.70	LC279	Summa Canister 1L
OC_SVE_VMP-15_061112	-5.00	-29.70	LC349	Summa Canister 1L
OC_SVE_VMP-16_061112	-5.00	-29.70	LC128	Summa Canister 1L
OC_SVE_VMP-17_061112	-5.00	-29.70	SLC096	Summa Canister 1L
OC_SVE_VMP-18_061112	-5.00	-29.70	LC473	Summa Canister 1L
OC_SVE_VMP-19_061112	-5.00	-29.70	LC497	Summa Canister 1L
OC_SVE_VMP-20_061112	-5.00	-29.70	SLC101	Summa Canister 1L
OC_SVE_VMP-21_061112	-5.00	-29.70	LC469	Summa Canister 1L
OC_SVE_VMP-22_061112	-3.00	-29.70	LC131	Summa Canister 1L
OC_SVE_VMP-23_061112	-5.00	-29.70	LC223	Summa Canister 1L
OC_SVE_VMP-24_061112	-5.00	-29.70	LC274	Summa Canister 1L
OC_SVE_VMP-25_061112	-5.00	-29.70	LC427	Summa Canister 1L
OC_SVE_VMP-26_061112	-5.00	-29.70	LC486	Summa Canister 1L
OC_SVE_VMP-27_061112	-5.00	-29.70	LC307	Summa Canister 1L
OC_SVE_VMP-3_061112K	-5.00	-29.70	LC059	Summa Canister 1L
OC_SVE_VMP-18_061112K	-5.00	-29.70	LC282	Summa Canister 1L

Work Order Number: **12-06-0893**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VMP-25_061112K	-5.00	-29.60	LC211	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-0893

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 06/11/12
PAGE: 1 OF 3

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com
SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-06-0893 ☐

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

	LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)
	1	~~OC_SVE_VE-1M_061112~~		~~SV~~		~~1L~~		~~6/11/2012~~			~~6/11/2012~~		CH	x
	2	~~OC_SVE_VE-2S_061112~~		~~SV~~		~~1L~~		~~6/11/2012~~			~~6/11/2012~~		CH	x
	3	~~OC_SVE_VE-2M_061112~~		~~SV~~		~~1L~~		6/11/2012			6/11/2012		CH	x
	4	~~OC_SVE_VE-3S_061112~~		~~SV~~		~~1L~~		~~6/11/2012~~			~~6/11/2012~~		CH	x
	5	~~OC_SVE_VE-3M_061112~~		~~SV~~		~~1L~~		~~6/11/2012~~			~~6/11/2012~~		CH	x
1	6	OC_SVE_VE-4S_061112		SV	LC454	1L	A33	6/11/2012	1610	-30	6/11/2012	1615	-5	x
2	7	OC_SVE_VE-4M_061112		SV	1169	1L	A94	6/11/2012	1605	-30	6/11/2012	1610	-5	x
3	8	OC_SVE_VE-5M_061112		SV	LC275	1L	A02	6/11/2012	1555	-30	6/11/2012	1600	-5	x
4	9	OC_SVE_VE-7S_061112		SV	LC525	1L	A61	6/11/2012	1412	-30	6/11/2012	1417	-5	x
	10	~~OC_SVE_VMP-1_061112~~		~~SV~~		~~1L~~		~~6/11/2012~~			~~6/11/2012~~		CH	x
5	11	OC_SVE_VMP-2_061112		SV	LC396	1L	A315	6/11/2012	1600	-30	6/11/2012	1605	-5	x
6	12	OC_SVE_VMP-3_061112		SV	SLC043	1L	A24	6/11/2012	1540	-30	6/11/2012	1545	-5	x
7	13	OC_SVE_VMP-4_061112		SV	LC407	1L	A249	6/11/2012	1429	-30	6/11/2012	1434	-5	x
8	14	OC_SVE_VMP-5_061112		SV	LC371	1L	A359	6/11/2012	1405	-30	6/11/2012	1410	-5	x
9	15	OC_SVE_VMP-6_061112		SV	SLC108	1L	A243	6/11/2012	1401	-30	6/11/2012	1406	-5	x

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Alex Mayo CEL	6/13/12	1553
Alex Mayo		6/13/12	1715

12/01/11 Revision

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
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AIR CHAIN OF CUSTODY RECORD

DATE: 06/11/12
PAGE: 2 OF 3

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 06-0893

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS
SAMPLER(S): (NAME / SIGNATURE) Carlton Hunn Jr
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ■ EDD
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

	LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)				
10	1	OC_SVE_VMP-11_061112		SV	1338	1L	A166	6/11/2012	1310	-30	6/11/2012	1315	-5	x				
11	2	OC_SVE_VMP-12_061112		SV	SLC034	1L	A128	6/11/2012	1304	-30	6/11/2012	1309	-5	x				
12	3	OC_SVE_VMP-13_061112		SV	SLC097	1L	A125	6/11/2012	1220	-30	6/11/2012	1225	-5	x				
13	4	OC_SVE_VMP-14_061112		SV	1475	1L	A329	6/11/2012	1232	-30	6/11/2012	1237	-5	x				
14	5	OC_SVE_VMP-15_061112		SV	LC349	1L	A263	6/11/2012	1256	-30	6/11/2012	1301	-5	x				
15	6	OC_SVE_VMP-16_061112		SV	LC128	1L	A294	6/11/2012	1209	-30	6/11/2012	1214	-5	x				
16	7	OC_SVE_VMP-17_061112		SV	SLC096	1L	A163	6/11/2012	1248	-30	6/11/2012	1253	-5	x				
17	8	OC_SVE_VMP-18_061112		SV	LC473	1L	A68	6/11/2012	1630	-30	6/11/2012	1635	-5	x				
18	9	OC_SVE_VMP-19_061112		SV	1462	1L	A302	6/11/2012	1640	-30	6/11/2012	1645	-5	x				
19	10	OC_SVE_VMP-20_061112		SV	1346	1L	A205	6/11/2012	1550	-30	6/11/2012	1555	-5	x				
20	11	OC_SVE_VMP-21_061112		SV	LC469	1L	A371	6/11/2012	1525	-30	6/11/2012	1530	-5	x				
21	12	OC_SVE_VMP-22_061112		SV	1101	1L	A80	6/11/2012	1425	-28	6/11/2012	1430	-2	x				
22	13	OC_SVE_VMP-23_061112		SV	1145	1L	A369	6/11/2012	1336	-30	6/11/2012	1341	-5	x				
23	14	OC_SVE_VMP-24_061112		SV	LC274	1L	A274	6/11/2012	1328	-30	6/11/2012	1333	-5	x				
24	15	OC_SVE_VMP-25_061112		SV	1430	1L	A380	6/11/2012	1340	-30	6/11/2012	1345	-5	x				

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/13/12	1553
		6/13/12	1715

12/01/11 Revision

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
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AIR CHAIN OF CUSTODY RECORD

DATE: 06/11/12
PAGE: 3 OF 3

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PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 06-0893

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Henn Jr

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

	LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)				
25	1	OC_SVE_VMP-26_061112		SV	LC486	1L	A114	6/11/2012	1514	-30	6/11/2012	1519	-5	x				
26	2	OC_SVE_VMP-27_061112		SV	LC307	1L	A373	6/11/2012	1444	-30	6/11/2012	1449	-5	x				
27	3	OC_SVE_VMP-3_061112K		SV	LC059	1L	A206	6/11/2012	1545	-30	6/11/2012	1550	-5	x				
28	4	OC_SVE_VMP-18_061112K		SV	LC282	1L	A213	6/11/2012	1635	-30	6/11/2012	1640	-5	x				
29	5	OC_SVE_VMP-25_061112K		SV	1188	1L	A282	6/11/2012	1342	-30	6/11/2012	1347	-5	x				
	6																	
	7																	
	8																	
	9																	
	10																	
	11																	
	12																	
	13																	
	14																	
	15																	

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Aly Mugg CEL	6/13/12	1553
Aly Mugg		6/13/12	1715

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-0893

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: D GMAXIMIS

DATE: 06/13/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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:** AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** YC

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:** YC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** bc

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:** bc

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-0895

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 06/26/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0895
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1M_061212 (12-06-0895-1)						
Acetone	**16**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**58**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**190**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4.9**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**9.4**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-2S_061212 (12-06-0895-2)						
Acetone	**29**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.70**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.52**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**12**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-2M_061212 (12-06-0895-3)						
Acetone	**25**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1.9**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**46**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.6**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-3S_061212 (12-06-0895-4)						
Acetone	**27**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.92**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.55**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**6.6**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.90**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.99**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**3.7**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0895
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-3M_061212 (12-06-0895-5)						
Acetone	**18**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.7**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1.7**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**40**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**5.8**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.70**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.4**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-1_061212 (12-06-0895-6)						
Acetone	**20**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**35**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.1**		0.50	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0895
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1M_061212 (12-06-0895-1)						
Acetone	**37**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**230**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1300**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**26**		13	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**72**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VE-2S_061212 (12-06-0895-2)						
Acetone	**70**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.5**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.6**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**82**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**5.0**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE_VE-2M_061212 (12-06-0895-3)						
Acetone	**58**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.5**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**7.4**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**310**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**14**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE-3S_061212 (12-06-0895-4)						
Acetone	**64**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.5**		2.5	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.5**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**2.4**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**45**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**5.7**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**4.8**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**4.9**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**18**		7.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0895
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-3M_061212 (12-06-0895-5)						
Acetone	**44**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**8.0**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.6**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**6.6**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.1**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**270**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**1.9**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**31**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**3.4**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**12**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-1_061212 (12-06-0895-6)						
Acetone	**48**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.2**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.6**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**4.1**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**240**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**11**		2.7	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1M_061212	**12-06-0895-1-A**	**06/12/12 17:36**	**Air**	**GC/MS HH**	**N/A**	**06/16/12 01:24**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	190	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	4.9	2.5	5	
1,1-Dichloroethene	58	2.5	5		Trichlorofluoromethane	ND	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	9.4	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-2S_061212	**12-06-0895-2-A**	**06/12/12 17:48**	**Air**	**GC/MS HH**	**N/A**	**06/16/12 00:36**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.70	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	12	0.50	1	
Dichlorodifluoromethane	0.52	0.50	1		Toluene	1.3	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	90	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-2M_061212	**12-06-0895-3-A**	**06/12/12 17:43**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 23:43**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	25	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.54	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	46	0.50	1	
Dichlorodifluoromethane	0.51	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	2.6	0.50	1	
1,1-Dichloroethene	1.9	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-3S_061212	**12-06-0895-4-A**	**06/12/12 17:53**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 22:51**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	27	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.92	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	0.55	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.67	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	6.6	0.50	1	
Dichlorodifluoromethane	0.51	0.50	1		Toluene	1.5	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	0.90	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.99	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	3.7	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-3M_061212	**12-06-0895-5-A**	**06/12/12 17:58**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 17:48**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	18	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.63	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	2.7	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.67	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	40	0.50	1	
Dichlorodifluoromethane	0.53	0.50	1		Toluene	0.51	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	5.8	0.50	1	
1,1-Dichloroethene	1.7	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.70	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	2.4	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-1_061212	**12-06-0895-6-A**	**06/12/12 17:38**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 16:56**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	20	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.57	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	35	0.50	1	
Dichlorodifluoromethane	0.53	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	2.1	0.50	1	
1,1-Dichloroethene	1.0	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			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	**095-01-021-10,166**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 16:03**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-1M_061212	**12-06-0895-1-A**	**06/12/12 17:36**	**Air**	**GC/MS HH**	**N/A**	**06/16/12 01:24**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	37	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	ND	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	1300	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	26	13	5	
1,1-Dichloroethene	230	9.9	5		Trichlorofluoromethane	ND	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	72	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-2S_061212	**12-06-0895-2-A**	**06/12/12 17:48**	**Air**	**GC/MS HH**	**N/A**	**06/16/12 00:36**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	70	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.5	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	82	3.4	1	
Dichlorodifluoromethane	2.6	2.5	1		Toluene	5.0	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	90	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-2M_061212	**12-06-0895-3-A**	**06/12/12 17:43**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 23:43**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	58	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.1	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	310	3.4	1	
Dichlorodifluoromethane	2.5	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	14	2.7	1	
1,1-Dichloroethene	7.4	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-3S_061212	**12-06-0895-4-A**	**06/12/12 17:53**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 22:51**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	64	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	4.5	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	2.4	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	45	3.4	1	
Dichlorodifluoromethane	2.5	2.5	1		Toluene	5.7	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	4.8	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	4.9	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	18	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-3M_061212	**12-06-0895-5-A**	**06/12/12 17:58**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 17:48**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	44	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	3.1	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	8.0	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	270	3.4	1	
Dichlorodifluoromethane	2.6	2.5	1		Toluene	1.9	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	31	2.7	1	
1,1-Dichloroethene	6.6	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	3.4	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	12	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-1_061212	**12-06-0895-6-A**	**06/12/12 17:38**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 16:56**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	48	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.2	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	240	3.4	1	
Dichlorodifluoromethane	2.6	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	11	2.7	1	
1,1-Dichloroethene	4.1	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0895
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,166**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**06/15/12 16:03**	**120615L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0895
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,166	**Air**	**GC/MS HH**	**N/A**	**06/15/12**	**120615L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	25.29	101	24.40	98	50-150	33-167	4	0-35	
n-Propylbenzene	25.00	23.99	96	23.30	93	50-150	33-167	3	0-35	
Acetone	25.00	25.67	103	24.56	98	50-150	33-167	4	0-35	
Benzene	25.00	27.29	109	25.85	103	60-156	44-172	5	0-40	
Benzyl Chloride	25.00	23.56	94	23.32	93	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	26.08	104	25.20	101	50-150	33-167	3	0-35	
Bromoform	25.00	26.43	106	25.58	102	62-134	50-146	3	0-38	
Bromomethane	25.00	26.09	104	25.21	101	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	26.50	106	25.28	101	50-150	33-167	5	0-35	
2-Butanone	25.00	26.09	104	24.92	100	50-150	33-167	5	0-35	
Carbon Disulfide	25.00	25.82	103	24.89	100	50-150	33-167	4	0-35	
Carbon Tetrachloride	25.00	25.25	101	24.96	100	64-154	49-169	1	0-32	
Chlorobenzene	25.00	26.55	106	24.95	100	50-150	33-167	6	0-35	
Chloroethane	25.00	26.77	107	25.90	104	50-150	33-167	3	0-35	
Chloroform	25.00	25.20	101	24.59	98	50-150	33-167	2	0-35	
Chloromethane	25.00	26.27	105	25.10	100	50-150	33-167	5	0-35	
Cyclohexane	25.00	26.96	108	25.68	103	50-150	33-167	5	0-35	
Dibromochloromethane	25.00	27.50	110	26.27	105	50-150	33-167	5	0-35	
Dichlorodifluoromethane	25.00	24.77	99	24.10	96	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	25.02	100	24.31	97	50-150	33-167	3	0-35	
1,1-Dichloroethane	25.00	25.98	104	25.05	100	50-150	33-167	4	0-35	
1,1-Dichloroethene	25.00	24.39	98	24.48	98	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	27.45	110	25.45	102	54-144	39-159	8	0-36	
Dichlorotetrafluoroethane	25.00	25.03	100	24.34	97	50-150	33-167	3	0-35	
1,2-Dichlorobenzene	25.00	23.17	93	22.68	91	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	24.45	98	24.01	96	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	26.39	106	25.27	101	67-157	52-172	4	0-35	
1,3-Dichlorobenzene	25.00	22.74	91	22.42	90	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	22.54	90	22.25	89	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	29.72	119	27.07	108	50-150	33-167	9	0-35	
c-1,3-Dichloropropene	25.00	27.84	111	26.58	106	61-157	45-173	5	0-35	
c-1,2-Dichloroethene	25.00	27.58	110	26.43	106	50-150	33-167	4	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0895
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,166	**Air**	**GC/MS HH**	**N/A**	**06/15/12**	**120615L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	27.19	109	25.93	104	50-150	33-167	5	0-35	
t-1,3-Dichloropropene	25.00	27.90	112	26.56	106	50-150	33-167	5	0-35	
Ethanol	100.0	118.2	118	114.7	115	50-150	33-167	3	0-35	
Ethyl Acetate	25.00	26.39	106	25.75	103	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	26.35	105	25.21	101	50-150	33-167	4	0-35	
Ethylbenzene	25.00	26.93	108	25.46	102	52-154	35-171	6	0-38	
4-Ethyltoluene	25.00	24.06	96	23.47	94	50-150	33-167	2	0-35	
Heptane	25.00	27.12	108	25.26	101	50-150	33-167	7	0-35	
Hexachloro-1,3-Butadiene	25.00	23.55	94	23.02	92	50-150	33-167	2	0-35	
Hexane	25.00	26.41	106	25.32	101	50-150	33-167	4	0-35	
2-Hexanone	25.00	26.85	107	23.78	95	50-150	33-167	12	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	26.47	106	25.23	101	50-150	33-167	5	0-35	
Methylene Chloride	25.00	24.48	98	24.44	98	50-150	33-167	0	0-35	
4-Methyl-2-Pentanone	25.00	26.21	105	23.32	93	50-150	33-167	12	0-35	
Naphthalene	25.00	23.80	95	23.48	94	40-190	15-215	1	0-35	
o-Xylene	25.00	26.38	106	25.25	101	52-148	36-164	4	0-38	
p/m-Xylene	50.00	53.51	107	51.30	103	42-156	23-175	4	0-41	
Propene	25.00	29.44	118	27.30	109	50-150	33-167	8	0-35	
Styrene	25.00	26.03	104	24.76	99	50-150	33-167	5	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	26.77	107	25.10	100	50-150	33-167	6	0-35	
Tert-Butyl Alcohol (TBA)	50.00	51.55	103	50.60	101	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	28.01	112	25.92	104	56-152	40-168	8	0-40	
Tetrahydrofuran	25.00	25.97	104	24.68	99	50-150	33-167	5	0-35	
Toluene	25.00	27.24	109	25.52	102	56-146	41-161	7	0-43	
Trichloroethene	25.00	26.59	106	25.60	102	63-159	47-175	4	0-34	
Trichlorofluoromethane	25.00	24.05	96	24.08	96	50-150	33-167	0	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	26.03	104	25.20	101	50-150	33-167	3	0-35	
1,1,1-Trichloroethane	25.00	25.27	101	24.80	99	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	26.22	105	25.09	100	65-149	51-163	4	0-37	
1,2,3-Trichloropropane	25.00	22.60	90	21.70	87	50-150	33-167	4	0-35	
Acrolein	25.00	27.90	112	27.13	109	50-150	33-167	3	0-35	
Acrylonitrile	25.00	27.77	111	27.30	109	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0895
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,166	**Air**	**GC/MS HH**	**N/A**	**06/15/12**	**120615L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	27.92	112	25.88	104	50-150	33-167	8	0-35	
Propane	50.00	54.83	110	52.45	105	50-150	33-167	4	0-35	
Butane	50.00	50.90	102	48.95	98	50-150	33-167	4	0-35	
Methanol	75.00	93.38	124	86.70	116	50-150	33-167	7	0-35	
2,2,4-Trimethyl Pentane	25.00	26.41	106	25.19	101	50-150	33-167	5	0-35	
Isobutane	50.00	51.19	102	49.43	99	50-150	33-167	4	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.93	104	24.68	99	50-150	33-167	5	0-35	
1,3,5-Trimethylbenzene	25.00	24.55	98	24.12	96	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.70	95	22.78	91	50-150	33-167	4	0-35	
1,2,4-Trimethylbenzene	25.00	23.70	95	23.51	94	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	25.09	100	24.37	97	50-150	33-167	3	0-35	
Vinyl Acetate	25.00	26.54	106	25.41	102	50-150	33-167	4	0-35	
Vinyl Chloride	25.00	26.59	106	25.21	101	45-177	23-199	5	0-36	
1,1-Difluoroethane	25.00	26.52	106	25.28	101	50-150	33-167	5	0-35	
Isopropanol	25.00	28.26	113	27.50	110	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	23.96	96	23.23	93	50-150	33-167	3	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-0895**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE-1M_061212	-1.20	-29.70	LC111	Summa Canister 1L
OC_SVE_VE-2S_061212	-2.20	-29.80	LC318	Summa Canister 1L
OC_SVE_VE-2M_061212	-1.70	-29.80	LC104	Summa Canister 1L
OC_SVE_VE-3S_061212	-3.20	-29.80	LC262	Summa Canister 1L
OC_SVE_VE-3M_061212	-4.20	-29.60	LC172	Summa Canister 1L
OC_SVE_VMP-1_061212	-4.80	-29.70	LC271	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-0895

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: _____
PAGE: _____ OF _____

LABORATORY CLIENT: de maximis
ADDRESS: 1377 Scott St. Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: 562 756 8149 E-MAIL: jdinallo@domaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90607
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O.NO.:
LAB CONTACT OR QUOTE NO.
LAB USE ONLY: 12-06-0895

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15 (TAL 2.4)

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Canister ID#	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)
1	OC-SVE-VE-1M-061212		SV	LC111	1L	A222	6/12/12	1728	-30	6/12/12	1736	-5	X
2	OC-SVE-VE-2S-061212		SV	LC318	1L	A240	6/12/12	1740	-30	6/12/12	1748	-5	X
3	OC-SVE-VE-2M-061212		SV	LC104	1L	A349	6/12/12	1735	-30	6/12/12	1743	-5	X
4	OC-SVE-VE-3S-061212		SV	1479	1L	A356	6/12/12	1745	-30	6/12/12	1753	-5	X
5	OC-SVE-VE-3M-061212		SV	1142	1L	A06	6/12/12	1750	-30	6/12/12	1758	-5	X
6	OC-SVE-VMP-1-061212		SV	LC271	1L	A24	6/12/12	1730	-30	6/12/12	1738	-5	X
7													
8													
9													
10													
11													
12													
13													
14													
15													

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/13/12	1553
Relinquished by: (Signature)	Received by: (Signature)	6/13/12	1715
Relinquished by: (Signature)	Received by: (Signature)		

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-0895

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DG Maximis

DATE: 06/13/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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:** AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** YL

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:** YL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** DL

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

Attachment F.5
ISVE2 Laboratory Data Reports

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-04-1630

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE1

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 05/02/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1630
		Project name:	Omega - SVE1
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_042412 (12-04-1630-1)						
Chloroform	**290**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**990**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**9000**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**510**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**160**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**670**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_MID_GAC_042412 (12-04-1630-2)						
1,1-Dichloroethene	**6000**		200	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**670**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**40**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_EFF_GAC_042412 (12-04-1630-3)						
Dichlorodifluoromethane	**2.5**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**330**		6.4	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**140**		13	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1630
		Project name:	Omega - SVE1
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_042412 (12-04-1630-1)						
Chloroform	**1400**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3900**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**61000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**2800**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**930**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5200**		460	ug/m3	EPA TO-15	N/A
OC_SVE2_MID_GAC_042412 (12-04-1630-2)						
1,1-Dichloroethene	**24000**		790	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**3800**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**310**		230	ug/m3	EPA TO-15	N/A
OC_SVE2_EFF_GAC_042412 (12-04-1630-3)						
Dichlorodifluoromethane	**12**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1300**		26	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**760**		72	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1630
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_INF_GAC_042412	**12-04-1630-1-A**	**04/24/12 14:41**	**Air**	**GC/MS HH**	**N/A**	**04/27/12 03:53**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	20	40		Methylene Chloride	ND	200	40	
2-Butanone	ND	60	40		o-Xylene	ND	20	40	
Carbon Disulfide	ND	80	40		Tetrachloroethene	9000	200	400	
Carbon Tetrachloride	ND	20	40		Toluene	ND	20	40	
Chloroform	290	20	40		Trichloroethene	510	20	40	
Dichlorodifluoromethane	ND	20	40		Trichlorofluoromethane	160	40	40	
1,1-Dichloroethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	670	60	40	
1,1-Dichloroethene	990	20	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichloroethane	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,4-Dioxane	ND	400	40		Vinyl Chloride	ND	20	40	
Hexane	ND	80	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	106	78-156					

OC_SVE2_MID_GAC_042412	**12-04-1630-2-A**	**04/24/12 14:39**	**Air**	**GC/MS HH**	**N/A**	**04/27/12 03:04**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	20		Methylene Chloride	ND	100	20	
2-Butanone	ND	30	20		o-Xylene	ND	10	20	
Carbon Disulfide	ND	40	20		Tetrachloroethene	ND	10	20	
Carbon Tetrachloride	ND	10	20		Toluene	ND	10	20	
Chloroform	ND	10	20		Trichloroethene	ND	10	20	
Dichlorodifluoromethane	ND	10	20		Trichlorofluoromethane	670	20	20	
1,1-Dichloroethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	40	30	20	
1,1-Dichloroethene	6000	200	400		1,1,1-Trichloroethane	ND	10	20	
1,2-Dichloroethane	ND	10	20		1,1,2-Trichloroethane	ND	10	20	
1,4-Dioxane	ND	200	20		Vinyl Chloride	ND	10	20	
Hexane	ND	40	20		Isopropanol	ND	100	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1630
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_EFF_GAC_042412	**12-04-1630-3-A**	**04/24/12 14:37**	**Air**	**GC/MS HH**	**N/A**	**04/26/12 22:30**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	2.5	0.50	1		Trichlorofluoromethane	140	13	12.9	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	330	6.4	12.9		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	95	78-156					

Method Blank	**095-01-021-10,026**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**04/26/12 15:03**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1630
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,027**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**04/27/12 13:02**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1630
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_INF_GAC_042412	**12-04-1630-1-A**	**04/24/12 14:41**	**Air**	**GC/MS HH**	**N/A**	**04/27/12 03:53**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	64	40		Methylene Chloride	ND	690	40	
2-Butanone	ND	180	40		o-Xylene	ND	87	40	
Carbon Disulfide	ND	250	40		Tetrachloroethene	61000	1400	400	
Carbon Tetrachloride	ND	130	40		Toluene	ND	75	40	
Chloroform	1400	98	40		Trichloroethene	2800	110	40	
Dichlorodifluoromethane	ND	99	40		Trichlorofluoromethane	930	220	40	
1,1-Dichloroethane	ND	81	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	5200	460	40	
1,1-Dichloroethene	3900	79	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichloroethane	ND	81	40		1,1,2-Trichloroethane	ND	110	40	
1,4-Dioxane	ND	1400	40		Vinyl Chloride	ND	51	40	
Hexane	ND	280	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	106	78-156					

OC_SVE2_MID_GAC_042412	**12-04-1630-2-A**	**04/24/12 14:39**	**Air**	**GC/MS HH**	**N/A**	**04/27/12 03:04**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	32	20		Methylene Chloride	ND	350	20	
2-Butanone	ND	88	20		o-Xylene	ND	43	20	
Carbon Disulfide	ND	120	20		Tetrachloroethene	ND	68	20	
Carbon Tetrachloride	ND	63	20		Toluene	ND	38	20	
Chloroform	ND	49	20		Trichloroethene	ND	54	20	
Dichlorodifluoromethane	ND	49	20		Trichlorofluoromethane	3800	110	20	
1,1-Dichloroethane	ND	40	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	310	230	20	
1,1-Dichloroethene	24000	790	400		1,1,1-Trichloroethane	ND	55	20	
1,2-Dichloroethane	ND	40	20		1,1,2-Trichloroethane	ND	55	20	
1,4-Dioxane	ND	720	20		Vinyl Chloride	ND	26	20	
Hexane	ND	140	20		Isopropanol	ND	250	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1630
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_EFF_GAC_042412	**12-04-1630-3-A**	**04/24/12 14:37**	**Air**	**GC/MS HH**	**N/A**	**04/26/12 22:30**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	12	2.5	1		Trichlorofluoromethane	760	72	12.9	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	1300	26	12.9		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	95	78-156					

Method Blank	**095-01-021-10,026**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**04/26/12 15:03**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1630
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE1			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,027**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**04/27/12 13:02**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1630
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,026	**Air**	**GC/MS HH**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	111	111	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	106	107	50-150	33-167	1	0-35	
Acetone	25.00	97	88	50-150	33-167	10	0-35	
Benzene	25.00	108	110	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	112	110	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	112	112	50-150	33-167	1	0-35	
Bromoform	25.00	124	121	62-134	50-146	3	0-38	
Bromomethane	25.00	103	92	50-150	33-167	11	0-35	
1,3-Butadiene	25.00	108	97	50-150	33-167	11	0-35	
2-Butanone	25.00	104	104	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	107	100	50-150	33-167	7	0-35	
Carbon Tetrachloride	25.00	112	112	64-154	49-169	1	0-32	
Chlorobenzene	25.00	116	115	50-150	33-167	0	0-35	
Chloroethane	25.00	107	94	50-150	33-167	13	0-35	
Chloroform	25.00	106	107	50-150	33-167	1	0-35	
Chloromethane	25.00	109	95	50-150	33-167	14	0-35	
Cyclohexane	25.00	109	110	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	127	125	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	108	110	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	25.00	101	99	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	106	106	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	95	92	50-150	33-167	4	0-35	
1,2-Dibromoethane	25.00	125	123	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	105	94	50-150	33-167	11	0-35	
1,2-Dichlorobenzene	25.00	105	107	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	107	108	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	108	109	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	108	110	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	106	107	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	109	114	50-150	33-167	5	0-35	
c-1,3-Dichloropropene	25.00	115	116	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	108	109	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	107	108	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1630
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,026	**Air**	**GC/MS HH**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	118	118	50-150	33-167	0	0-35	
Ethanol	100.0	110	100	50-150	33-167	10	0-35	
Ethyl Acetate	25.00	107	107	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	110	110	50-150	33-167	0	0-35	
Ethylbenzene	25.00	120	120	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	113	115	50-150	33-167	1	0-35	
Heptane	25.00	108	111	50-150	33-167	3	0-35	
Hexachloro-1,3-Butadiene	25.00	122	133	50-150	33-167	9	0-35	
Hexane	25.00	106	104	50-150	33-167	2	0-35	
2-Hexanone	25.00	118	115	50-150	33-167	3	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	107	107	50-150	33-167	0	0-35	
Methylene Chloride	25.00	91	89	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	108	108	50-150	33-167	0	0-35	
Naphthalene	25.00	115	119	40-190	15-215	3	0-35	
o-Xylene	25.00	121	121	52-148	36-164	0	0-38	
p/m-Xylene	50.00	124	123	42-156	23-175	1	0-41	
Propene	25.00	111	92	50-150	33-167	18	0-35	
Styrene	25.00	116	115	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	112	113	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	99	95	50-150	33-167	4	0-35	
Tetrachloroethene	25.00	127	126	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	106	106	50-150	33-167	0	0-35	
Toluene	25.00	114	114	56-146	41-161	0	0-43	
Trichloroethene	25.00	114	114	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	99	89	50-150	33-167	11	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	112	100	50-150	33-167	11	0-35	
1,1,1-Trichloroethane	25.00	108	109	50-150	33-167	0	0-35	
1,1,2-Trichloroethane	25.00	111	112	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	115	114	50-150	33-167	1	0-35	
Acrolein	25.00	105	93	50-150	33-167	12	0-35	
Acrylonitrile	25.00	105	96	50-150	33-167	9	0-35	
Methyl Methacrylate	25.00	112	113	50-150	33-167	1	0-35	
Propane	50.00	114	112	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1630
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,026	**Air**	**GC/MS HH**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	104	93	50-150	33-167	11	0-35	
Methanol	75.00	116	104	50-150	33-167	10	0-35	
2,2,4-Trimethyl Pentane	25.00	110	111	50-150	33-167	0	0-35	
Isobutane	50.00	108	95	50-150	33-167	13	0-35	
1,1,1,2-Tetrafluoroethane	25.00	106	109	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	114	116	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	116	114	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	110	112	50-150	33-167	2	0-35	
1,2,4-Trichlorobenzene	25.00	122	126	50-150	33-167	3	0-35	
Vinyl Acetate	25.00	106	107	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	105	95	45-177	23-199	11	0-36	
1,1-Difluoroethane	25.00	108	100	50-150	33-167	8	0-35	
Isopropanol	25.00	103	93	50-150	33-167	10	0-35	
2-Chlorotoluene	25.00	116	117	50-150	33-167	1	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1630
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,027	**Air**	**GC/MS HH**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	122	114	50-150	33-167	7	0-35	
n-Propylbenzene	25.00	117	109	50-150	33-167	7	0-35	
Acetone	25.00	110	105	50-150	33-167	5	0-35	
Benzene	25.00	116	110	60-156	44-172	6	0-40	
Benzyl Chloride	25.00	123	117	50-150	33-167	6	0-35	
Bromodichloromethane	25.00	121	114	50-150	33-167	6	0-35	
Bromoform	25.00	140	128	62-134	50-146	8	0-38	ME
Bromomethane	25.00	112	105	50-150	33-167	6	0-35	
1,3-Butadiene	25.00	115	107	50-150	33-167	7	0-35	
2-Butanone	25.00	110	105	50-150	33-167	4	0-35	
Carbon Disulfide	25.00	113	109	50-150	33-167	4	0-35	
Carbon Tetrachloride	25.00	121	114	64-154	49-169	6	0-32	
Chlorobenzene	25.00	127	119	50-150	33-167	6	0-35	
Chloroethane	25.00	115	108	50-150	33-167	6	0-35	
Chloroform	25.00	111	107	50-150	33-167	4	0-35	
Chloromethane	25.00	114	106	50-150	33-167	7	0-35	
Cyclohexane	25.00	116	111	50-150	33-167	5	0-35	
Dibromochloromethane	25.00	141	131	50-150	33-167	7	0-35	
Dichlorodifluoromethane	25.00	113	107	50-150	33-167	6	0-35	
Diisopropyl Ether (DIPE)	25.00	107	102	50-150	33-167	4	0-35	
1,1-Dichloroethane	25.00	109	106	50-150	33-167	3	0-35	
1,1-Dichloroethene	25.00	108	106	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	137	129	54-144	39-159	6	0-36	
Dichlorotetrafluoroethane	25.00	112	104	50-150	33-167	8	0-35	
1,2-Dichlorobenzene	25.00	113	107	34-160	13-181	6	0-47	
1,2-Dichloroethane	25.00	112	107	69-153	55-167	4	0-35	
1,2-Dichloropropane	25.00	116	110	67-157	52-172	6	0-35	
1,3-Dichlorobenzene	25.00	117	111	50-150	33-167	6	0-35	
1,4-Dichlorobenzene	25.00	114	108	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	118	113	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	125	118	61-157	45-173	6	0-35	
c-1,2-Dichloroethene	25.00	111	108	50-150	33-167	3	0-35	
t-1,2-Dichloroethene	25.00	110	107	50-150	33-167	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1630
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,027	**Air**	**GC/MS HH**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	129	121	50-150	33-167	6	0-35	
Ethanol	100.0	123	114	50-150	33-167	7	0-35	
Ethyl Acetate	25.00	111	108	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	113	110	50-150	33-167	2	0-35	
Ethylbenzene	25.00	133	124	52-154	35-171	7	0-38	
4-Ethyltoluene	25.00	124	117	50-150	33-167	6	0-35	
Heptane	25.00	122	111	50-150	33-167	10	0-35	
Hexachloro-1,3-Butadiene	25.00	132	127	50-150	33-167	4	0-35	
Hexane	25.00	112	107	50-150	33-167	5	0-35	
2-Hexanone	25.00	128	119	50-150	33-167	7	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	110	107	50-150	33-167	3	0-35	
Methylene Chloride	25.00	103	102	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	117	109	50-150	33-167	7	0-35	
Naphthalene	25.00	125	118	40-190	15-215	6	0-35	
o-Xylene	25.00	134	124	52-148	36-164	8	0-38	
p/m-Xylene	50.00	139	129	42-156	23-175	8	0-41	
Propene	25.00	113	110	50-150	33-167	3	0-35	
Styrene	25.00	127	118	50-150	33-167	7	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	120	114	50-150	33-167	5	0-35	
Tert-Butyl Alcohol (TBA)	50.00	111	111	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	140	131	56-152	40-168	6	0-40	
Tetrahydrofuran	25.00	110	106	50-150	33-167	4	0-35	
Toluene	25.00	126	118	56-146	41-161	7	0-43	
Trichloroethene	25.00	122	115	63-159	47-175	6	0-34	
Trichlorofluoromethane	25.00	117	109	50-150	33-167	7	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	117	113	50-150	33-167	3	0-35	
1,1,1-Trichloroethane	25.00	114	110	50-150	33-167	4	0-35	
1,1,2-Trichloroethane	25.00	122	115	65-149	51-163	6	0-37	
1,2,3-Trichloropropane	25.00	126	117	50-150	33-167	8	0-35	
Acrolein	25.00	118	111	50-150	33-167	6	0-35	
Acrylonitrile	25.00	121	115	50-150	33-167	5	0-35	
Methyl Methacrylate	25.00	121	115	50-150	33-167	5	0-35	
Propane	50.00	117	113	50-150	33-167	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1630
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,027	**Air**	**GC/MS HH**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	113	104	50-150	33-167	8	0-35	
Methanol	75.00	129	120	50-150	33-167	7	0-35	
2,2,4-Trimethyl Pentane	25.00	118	112	50-150	33-167	5	0-35	
Isobutane	50.00	114	105	50-150	33-167	8	0-35	
1,1,1,2-Tetrafluoroethane	25.00	108	106	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	124	117	50-150	33-167	6	0-35	
1,1,2,2-Tetrachloroethane	25.00	127	118	50-150	33-167	7	0-35	
1,2,4-Trimethylbenzene	25.00	119	113	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	132	126	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	111	108	50-150	33-167	3	0-35	
Vinyl Chloride	25.00	112	104	45-177	23-199	7	0-36	
1,1-Difluoroethane	25.00	111	108	50-150	33-167	3	0-35	
Isopropanol	25.00	121	114	50-150	33-167	6	0-35	
2-Chlorotoluene	25.00	130	121	50-150	33-167	7	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 1
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-04-1630**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_INF_GAC_042412	-2.00	-29.80	LC097	Summa Canister 1L
OC_SVE2_MID_GAC_042412	-2.00	-29.80	LC297	Summa Canister 1L
OC_SVE2_EFF_GAC_042412	-2.00	-29.80	LC246	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-04-1630

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 04/24/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 12-04-1630

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.3)				
1	OC_SVE2_INF_GAC_042412	SP-INF-GAC	SV	1110	1L	NA	4/24/2012	1439	-29	4/24/2012	1441	-2	x				
2	OC_SVE2_MID_GAC_042412	SP-MID-GAC	SV	1573	1L	NA	4/24/2012	1437	-29	4/24/2012	1439	-2	x				
3	OC_SVE2_EFF_GAC_042412	SP-EFF-GAC	SV	1173	1L	NA	4/24/2012	1435	-30	4/24/2012	1437	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Bryan Yuna	4-26-12	1439
CEL	Danny le CEL	4/26/12	15:52

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-04-1630

SAMPLE RECEIPT FORM

Cooler ___ of ___

CLIENT: de Maximis

DATE: 04/26/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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: AY

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AY

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: NC

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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** CV

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:** CV

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-04-1631

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 05/10/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1631
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-20S_042412 (12-04-1631-1)						
Acetone	**150**		10	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**290**		7.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4.7**		2.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-21S_042412 (12-04-1631-2)						
Chloroform	**38**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**540**		4.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**4.3**		4.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3200**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**150**		4.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**110**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**490**		12	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-22S_042412 (12-04-1631-3)						
Chloroform	**330**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1700**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**15000**		120	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**620**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**380**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1900**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-23S_042412 (12-04-1631-4)						
Chloroform	**53**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**4.2**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**280**		2.5	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**4.9**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1300**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**140**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**21**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**58**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-24S_042412 (12-04-1631-5)						
Chloroform	**6.1**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**560**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**790**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**49**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**180**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**520**		60	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1631
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-25S_042412 (12-04-1631-6)						
Chloroform	**400**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**20**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**820**		10	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**12**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**5100**		40	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**680**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**27**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**89**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-26S_042412 (12-04-1631-7)						
Chloroform	**1100**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**42**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**4300**		120	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**66**		20	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**29**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**16000**		120	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1600**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1200**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**6100**		380	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-27S_042412 (12-04-1631-8)						
Chloroform	**500**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**14**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**880**		8.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**11**		8.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3200**		25	ppb (v/v)	EPA TO-15	N/A
Toluene	**9.3**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**470**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**330**		16	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1000**		24	ppb (v/v)	EPA TO-15	N/A
Vinyl Chloride	**56**		8.0	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1631
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-28S_042412 (12-04-1631-9)						
Chloroform	**100**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**4.6**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**72**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**690**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**130**		2.5	ppb (v/v)	EPA TO-15	N/A
Vinyl Chloride	**51**		2.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-29S_042412 (12-04-1631-10)						
Acetone	**10**		10	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**7.5**		7.5	ppb (v/v)	EPA TO-15	N/A
Chloroform	**35**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**3.8**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**240**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**790**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**130**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**25**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**64**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-30S_042412 (12-04-1631-11)						
Chloroform	**190**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**14**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**560**		5.0	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**24**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2400**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**340**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**58**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**140**		15	ppb (v/v)	EPA TO-15	N/A
Vinyl Chloride	**25**		5.0	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1631
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-20S_042412 (12-04-1631-1)						
Acetone	**360**		24	ug/m3	EPA TO-15	N/A
2-Butanone	**850**		22	ug/m3	EPA TO-15	N/A
Trichloroethene	**25**		13	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-21S_042412 (12-04-1631-2)						
Chloroform	**180**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2100**		16	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**17**		16	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**22000**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**820**		21	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**600**		45	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3700**		92	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-22S_042412 (12-04-1631-3)						
Chloroform	**1600**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**6900**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**100000**		850	ug/m3	EPA TO-15	N/A
Trichloroethene	**3300**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**2100**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**15000**		460	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-23S_042412 (12-04-1631-4)						
Chloroform	**260**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**17**		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1100**		9.9	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**20**		10	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**8800**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**740**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**120**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**450**		57	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-24S_042412 (12-04-1631-5)						
Chloroform	**30**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2200**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**5400**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**260**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**990**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**4000**		460	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1631
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-25S_042412 (12-04-1631-6)						
Chloroform	**2000**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**79**		40	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3300**		40	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**48**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**34000**		270	ug/m3	EPA TO-15	N/A
Trichloroethene	**3700**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**150**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**680**		230	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-26S_042412 (12-04-1631-7)						
Chloroform	**5200**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**170**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**17000**		500	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**270**		81	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**110**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**110000**		850	ug/m3	EPA TO-15	N/A
Trichloroethene	**8700**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**6800**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**46000**		2900	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-27S_042412 (12-04-1631-8)						
Chloroform	**2400**		39	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**59**		32	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3500**		32	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**43**		32	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**22000**		170	ug/m3	EPA TO-15	N/A
Toluene	**35**		30	ug/m3	EPA TO-15	N/A
Trichloroethene	**2500**		43	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**1800**		90	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**7700**		180	ug/m3	EPA TO-15	N/A
Vinyl Chloride	**140**		20	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-04-1631
		Project name:	Omega - SVE
		Received:	04/26/12 15:52
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-28S_042412 (12-04-1631-9)						
Chloroform	**500**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**19**		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**290**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4700**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**670**		13	ug/m3	EPA TO-15	N/A
Vinyl Chloride	**130**		6.4	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-29S_042412 (12-04-1631-10)						
Acetone	**24**		24	ug/m3	EPA TO-15	N/A
2-Butanone	**22**		22	ug/m3	EPA TO-15	N/A
Chloroform	**170**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**15**		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**940**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**5300**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**720**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**140**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**490**		57	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-30S_042412 (12-04-1631-11)						
Chloroform	**950**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**57**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2200**		20	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**94**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**16000**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**1800**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**330**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1100**		110	ug/m3	EPA TO-15	N/A
Vinyl Chloride	**63**		13	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-20S_042412	**12-04-1631-1-A**	**04/24/12 14:42**	**Air**	**GC/MS V**	**N/A**	**04/27/12 01:11**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	150	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	290	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	ND	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	4.7	2.5	5	
1,1-Dichloroethene	ND	2.5	5		Trichlorofluoromethane	ND	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	93	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-21S_042412	**12-04-1631-2-A**	**04/24/12 14:44**	**Air**	**GC/MS V**	**N/A**	**04/27/12 01:57**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	16	8		t-1,2-Dichloroethene	ND	4.0	8	
Benzene	ND	4.0	8		t-1,3-Dichloropropene	ND	8.0	8	
Benzyl Chloride	ND	12	8		Ethylbenzene	ND	4.0	8	
Bromodichloromethane	ND	4.0	8		4-Ethyltoluene	ND	4.0	8	
Bromoform	ND	4.0	8		Hexachloro-1,3-Butadiene	ND	12	8	
Bromomethane	ND	4.0	8		Hexane	ND	16	8	
2-Butanone	ND	12	8		2-Hexanone	ND	12	8	
Carbon Disulfide	ND	16	8		Methyl-t-Butyl Ether (MTBE)	ND	16	8	
Carbon Tetrachloride	ND	4.0	8		Methylene Chloride	ND	40	8	
Chlorobenzene	ND	4.0	8		4-Methyl-2-Pentanone	ND	12	8	
Chloroethane	ND	4.0	8		o-Xylene	ND	4.0	8	
Chloroform	38	4.0	8		p/m-Xylene	ND	16	8	
Chloromethane	ND	4.0	8		Styrene	ND	12	8	
Dibromochloromethane	ND	4.0	8		Tetrachloroethene	3200	20	40	
Dichlorodifluoromethane	ND	4.0	8		Toluene	ND	4.0	8	
1,1-Dichloroethane	ND	4.0	8		Trichloroethene	150	4.0	8	
1,1-Dichloroethene	540	4.0	8		Trichlorofluoromethane	110	8.0	8	
1,2-Dibromoethane	ND	4.0	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	490	12	8	
Dichlorotetrafluoroethane	ND	16	8		1,1,1-Trichloroethane	ND	4.0	8	
1,2-Dichlorobenzene	ND	4.0	8		1,1,2-Trichloroethane	ND	4.0	8	
1,2-Dichloroethane	4.3	4.0	8		1,3,5-Trimethylbenzene	ND	4.0	8	
1,2-Dichloropropane	ND	4.0	8		1,1,2,2-Tetrachloroethane	ND	8.0	8	
1,3-Dichlorobenzene	ND	4.0	8		1,2,4-Trimethylbenzene	ND	12	8	
1,4-Dichlorobenzene	ND	4.0	8		1,2,4-Trichlorobenzene	ND	16	8	
1,4-Dioxane	ND	80	8		Vinyl Acetate	ND	16	8	
c-1,3-Dichloropropene	ND	4.0	8		Vinyl Chloride	ND	4.0	8	
c-1,2-Dichloroethene	ND	4.0	8		Isopropanol	ND	40	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	110	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 3 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-22S_042412	**12-04-1631-3-A**	**04/24/12 14:46**	**Air**	**GC/MS V**	**N/A**	**04/27/12 02:41**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	330	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	15000	120	250	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	ND	20	40		Trichloroethene	620	20	40	
1,1-Dichloroethene	1700	20	40		Trichlorofluoromethane	380	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	1900	60	40	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	ND	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	119	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-23S_042412	**12-04-1631-4-A**	**04/24/12 14:48**	**Air**	**GC/MS V**	**N/A**	**04/27/12 03:27**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	53	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	1300	20	40	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	4.2	2.5	5		Trichloroethene	140	2.5	5	
1,1-Dichloroethene	280	2.5	5		Trichlorofluoromethane	21	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	58	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	4.9	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-24S_042412	**12-04-1631-5-A**	**04/24/12 14:50**	**Air**	**GC/MS K**	**N/A**	**04/27/12 20:53**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	6.1	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	790	20	40	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	49	2.5	5	
1,1-Dichloroethene	560	20	40		Trichlorofluoromethane	180	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	520	60	40	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-25S_042412	**12-04-1631-6-A**	**04/24/12 14:52**	**Air**	**GC/MS K**	**N/A**	**04/27/12 21:39**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40	20		t-1,2-Dichloroethene	12	10	20	
Benzene	ND	10	20		t-1,3-Dichloropropene	ND	20	20	
Benzyl Chloride	ND	30	20		Ethylbenzene	ND	10	20	
Bromodichloromethane	ND	10	20		4-Ethyltoluene	ND	10	20	
Bromoform	ND	10	20		Hexachloro-1,3-Butadiene	ND	30	20	
Bromomethane	ND	10	20		Hexane	ND	40	20	
2-Butanone	ND	30	20		2-Hexanone	ND	30	20	
Carbon Disulfide	ND	40	20		Methyl-t-Butyl Ether (MTBE)	ND	40	20	
Carbon Tetrachloride	ND	10	20		Methylene Chloride	ND	100	20	
Chlorobenzene	ND	10	20		4-Methyl-2-Pentanone	ND	30	20	
Chloroethane	ND	10	20		o-Xylene	ND	10	20	
Chloroform	400	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	5100	40	80	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	20	10	20		Trichloroethene	680	10	20	
1,1-Dichloroethene	820	10	20		Trichlorofluoromethane	27	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	89	30	20	
Dichlorotetrafluoroethane	ND	40	20		1,1,1-Trichloroethane	ND	10	20	
1,2-Dichlorobenzene	ND	10	20		1,1,2-Trichloroethane	ND	10	20	
1,2-Dichloroethane	ND	10	20		1,3,5-Trimethylbenzene	ND	10	20	
1,2-Dichloropropane	ND	10	20		1,1,2,2-Tetrachloroethane	ND	20	20	
1,3-Dichlorobenzene	ND	10	20		1,2,4-Trimethylbenzene	ND	30	20	
1,4-Dichlorobenzene	ND	10	20		1,2,4-Trichlorobenzene	ND	40	20	
1,4-Dioxane	ND	200	20		Vinyl Acetate	ND	40	20	
c-1,3-Dichloropropene	ND	10	20		Vinyl Chloride	ND	10	20	
c-1,2-Dichloroethene	ND	10	20		Isopropanol	ND	100	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-26S_042412	**12-04-1631-7-A**	**04/24/12 14:54**	**Air**	**GC/MS K**	**N/A**	**04/27/12 22:25**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	29	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	1100	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	16000	120	250	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	42	20	40		Trichloroethene	1600	20	40	
1,1-Dichloroethene	4300	120	250		Trichlorofluoromethane	1200	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	6100	380	250	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	66	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-27S_042412	**12-04-1631-8-A**	**04/24/12 14:56**	**Air**	**GC/MS K**	**N/A**	**04/27/12 23:11**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	32	16		t-1,2-Dichloroethene	ND	8.0	16	
Benzene	ND	8.0	16		t-1,3-Dichloropropene	ND	16	16	
Benzyl Chloride	ND	24	16		Ethylbenzene	ND	8.0	16	
Bromodichloromethane	ND	8.0	16		4-Ethyltoluene	ND	8.0	16	
Bromoform	ND	8.0	16		Hexachloro-1,3-Butadiene	ND	24	16	
Bromomethane	ND	8.0	16		Hexane	ND	32	16	
2-Butanone	ND	24	16		2-Hexanone	ND	24	16	
Carbon Disulfide	ND	32	16		Methyl-t-Butyl Ether (MTBE)	ND	32	16	
Carbon Tetrachloride	ND	8.0	16		Methylene Chloride	ND	80	16	
Chlorobenzene	ND	8.0	16		4-Methyl-2-Pentanone	ND	24	16	
Chloroethane	ND	8.0	16		o-Xylene	ND	8.0	16	
Chloroform	500	8.0	16		p/m-Xylene	ND	32	16	
Chloromethane	ND	8.0	16		Styrene	ND	24	16	
Dibromochloromethane	ND	8.0	16		Tetrachloroethene	3200	25	50	
Dichlorodifluoromethane	ND	8.0	16		Toluene	9.3	8.0	16	
1,1-Dichloroethane	14	8.0	16		Trichloroethene	470	8.0	16	
1,1-Dichloroethene	880	8.0	16		Trichlorofluoromethane	330	16	16	
1,2-Dibromoethane	ND	8.0	16		1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	24	16	
Dichlorotetrafluoroethane	ND	32	16		1,1,1-Trichloroethane	ND	8.0	16	
1,2-Dichlorobenzene	ND	8.0	16		1,1,2-Trichloroethane	ND	8.0	16	
1,2-Dichloroethane	11	8.0	16		1,3,5-Trimethylbenzene	ND	8.0	16	
1,2-Dichloropropane	ND	8.0	16		1,1,2,2-Tetrachloroethane	ND	16	16	
1,3-Dichlorobenzene	ND	8.0	16		1,2,4-Trimethylbenzene	ND	24	16	
1,4-Dichlorobenzene	ND	8.0	16		1,2,4-Trichlorobenzene	ND	32	16	
1,4-Dioxane	ND	160	16		Vinyl Acetate	ND	32	16	
c-1,3-Dichloropropene	ND	8.0	16		Vinyl Chloride	56	8.0	16	
c-1,2-Dichloroethene	ND	8.0	16		Isopropanol	ND	80	16	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-28S_042412	**12-04-1631-9-A**	**04/24/12 14:58**	**Air**	**GC/MS K**	**N/A**	**04/27/12 23:56**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	100	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	690	20	40	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	4.6	2.5	5		Trichloroethene	130	2.5	5	
1,1-Dichloroethene	72	2.5	5		Trichlorofluoromethane	ND	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	51	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-29S_042412	**12-04-1631-10-A**	**04/24/12 15:00**	**Air**	**GC/MS K**	**N/A**	**04/28/12 00:43**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	10	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	7.5	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	35	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	790	20	40	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	3.8	2.5	5		Trichloroethene	130	2.5	5	
1,1-Dichloroethene	240	2.5	5		Trichlorofluoromethane	25	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	64	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	ND	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-30S_042412	**12-04-1631-11-A**	**04/24/12 15:02**	**Air**	**GC/MS K**	**N/A**	**04/28/12 01:29**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	190	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	2400	50	100	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	14	5.0	10		Trichloroethene	340	5.0	10	
1,1-Dichloroethene	560	5.0	10		Trichlorofluoromethane	58	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	140	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	25	5.0	10	
c-1,2-Dichloroethene	24	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,017**	**N/A**	**Air**	**GC/MS V**	**N/A**	**04/26/12 12:52**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,021**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/27/12 13:33**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,031**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**04/28/12 13:36**	**120428L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	93	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-20S_042412	**12-04-1631-1-A**	**04/24/12 14:42**	**Air**	**GC/MS V**	**N/A**	**04/27/12 01:11**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	360	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	850	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	ND	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	ND	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	25	13	5	
1,1-Dichloroethene	ND	9.9	5		Trichlorofluoromethane	ND	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	93	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-21S_042412	**12-04-1631-2-A**	**04/24/12 14:44**	**Air**	**GC/MS V**	**N/A**	**04/27/12 01:57**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	38	8		t-1,2-Dichloroethene	ND	16	8	
Benzene	ND	13	8		t-1,3-Dichloropropene	ND	36	8	
Benzyl Chloride	ND	62	8		Ethylbenzene	ND	17	8	
Bromodichloromethane	ND	27	8		4-Ethyltoluene	ND	20	8	
Bromoform	ND	41	8		Hexachloro-1,3-Butadiene	ND	130	8	
Bromomethane	ND	16	8		Hexane	ND	56	8	
2-Butanone	ND	35	8		2-Hexanone	ND	49	8	
Carbon Disulfide	ND	50	8		Methyl-t-Butyl Ether (MTBE)	ND	58	8	
Carbon Tetrachloride	ND	25	8		Methylene Chloride	ND	140	8	
Chlorobenzene	ND	18	8		4-Methyl-2-Pentanone	ND	49	8	
Chloroethane	ND	11	8		o-Xylene	ND	17	8	
Chloroform	180	20	8		p/m-Xylene	ND	69	8	
Chloromethane	ND	8.3	8		Styrene	ND	51	8	
Dibromochloromethane	ND	34	8		Tetrachloroethene	22000	140	40	
Dichlorodifluoromethane	ND	20	8		Toluene	ND	15	8	
1,1-Dichloroethane	ND	16	8		Trichloroethene	820	21	8	
1,1-Dichloroethene	2100	16	8		Trichlorofluoromethane	600	45	8	
1,2-Dibromoethane	ND	31	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	3700	92	8	
Dichlorotetrafluoroethane	ND	110	8		1,1,1-Trichloroethane	ND	22	8	
1,2-Dichlorobenzene	ND	24	8		1,1,2-Trichloroethane	ND	22	8	
1,2-Dichloroethane	17	16	8		1,3,5-Trimethylbenzene	ND	20	8	
1,2-Dichloropropane	ND	18	8		1,1,2,2-Tetrachloroethane	ND	55	8	
1,3-Dichlorobenzene	ND	24	8		1,2,4-Trimethylbenzene	ND	59	8	
1,4-Dichlorobenzene	ND	24	8		1,2,4-Trichlorobenzene	ND	120	8	
1,4-Dioxane	ND	290	8		Vinyl Acetate	ND	56	8	
c-1,3-Dichloropropene	ND	18	8		Vinyl Chloride	ND	10	8	
c-1,2-Dichloroethene	ND	16	8		Isopropanol	ND	98	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	110	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-22S_042412	**12-04-1631-3-A**	**04/24/12 14:46**	**Air**	**GC/MS V**	**N/A**	**04/27/12 02:41**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	1600	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	100000	850	250	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	ND	81	40		Trichloroethene	3300	110	40	
1,1-Dichloroethene	6900	79	40		Trichlorofluoromethane	2100	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	15000	460	40	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	ND	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	119	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-23S_042412	**12-04-1631-4-A**	**04/24/12 14:48**	**Air**	**GC/MS V**	**N/A**	**04/27/12 03:27**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	260	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	8800	140	40	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	17	10	5		Trichloroethene	740	13	5	
1,1-Dichloroethene	1100	9.9	5		Trichlorofluoromethane	120	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	450	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	20	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-24S_042412	**12-04-1631-5-A**	**04/24/12 14:50**	**Air**	**GC/MS K**	**N/A**	**04/27/12 20:53**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	30	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	5400	140	40	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	260	13	5	
1,1-Dichloroethene	2200	79	40		Trichlorofluoromethane	990	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	4000	460	40	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-25S_042412	**12-04-1631-6-A**	**04/24/12 14:52**	**Air**	**GC/MS K**	**N/A**	**04/27/12 21:39**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	95	20		t-1,2-Dichloroethene	48	40	20	
Benzene	ND	32	20		t-1,3-Dichloropropene	ND	91	20	
Benzyl Chloride	ND	160	20		Ethylbenzene	ND	43	20	
Bromodichloromethane	ND	67	20		4-Ethyltoluene	ND	49	20	
Bromoform	ND	100	20		Hexachloro-1,3-Butadiene	ND	320	20	
Bromomethane	ND	39	20		Hexane	ND	140	20	
2-Butanone	ND	88	20		2-Hexanone	ND	120	20	
Carbon Disulfide	ND	120	20		Methyl-t-Butyl Ether (MTBE)	ND	140	20	
Carbon Tetrachloride	ND	63	20		Methylene Chloride	ND	350	20	
Chlorobenzene	ND	46	20		4-Methyl-2-Pentanone	ND	120	20	
Chloroethane	ND	26	20		o-Xylene	ND	43	20	
Chloroform	2000	49	20		p/m-Xylene	ND	170	20	
Chloromethane	ND	21	20		Styrene	ND	130	20	
Dibromochloromethane	ND	85	20		Tetrachloroethene	34000	270	80	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	79	40	20		Trichloroethene	3700	54	20	
1,1-Dichloroethene	3300	40	20		Trichlorofluoromethane	150	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	680	230	20	
Dichlorotetrafluoroethane	ND	280	20		1,1,1-Trichloroethane	ND	55	20	
1,2-Dichlorobenzene	ND	60	20		1,1,2-Trichloroethane	ND	55	20	
1,2-Dichloroethane	ND	40	20		1,3,5-Trimethylbenzene	ND	49	20	
1,2-Dichloropropane	ND	46	20		1,1,2,2-Tetrachloroethane	ND	140	20	
1,3-Dichlorobenzene	ND	60	20		1,2,4-Trimethylbenzene	ND	150	20	
1,4-Dichlorobenzene	ND	60	20		1,2,4-Trichlorobenzene	ND	300	20	
1,4-Dioxane	ND	720	20		Vinyl Acetate	ND	140	20	
c-1,3-Dichloropropene	ND	45	20		Vinyl Chloride	ND	26	20	
c-1,2-Dichloroethene	ND	40	20		Isopropanol	ND	250	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-26S_042412	**12-04-1631-7-A**	**04/24/12 14:54**	**Air**	**GC/MS K**	**N/A**	**04/27/12 22:25**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	110	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	5200	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	110000	850	250	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	170	81	40		Trichloroethene	8700	110	40	
1,1-Dichloroethene	17000	500	250		Trichlorofluoromethane	6800	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	46000	2900	250	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	270	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-27S_042412	**12-04-1631-8-A**	**04/24/12 14:56**	**Air**	**GC/MS K**	**N/A**	**04/27/12 23:11**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	76	16		t-1,2-Dichloroethene	ND	32	16	
Benzene	ND	26	16		t-1,3-Dichloropropene	ND	73	16	
Benzyl Chloride	ND	120	16		Ethylbenzene	ND	35	16	
Bromodichloromethane	ND	54	16		4-Ethyltoluene	ND	39	16	
Bromoform	ND	83	16		Hexachloro-1,3-Butadiene	ND	260	16	
Bromomethane	ND	31	16		Hexane	ND	110	16	
2-Butanone	ND	71	16		2-Hexanone	ND	98	16	
Carbon Disulfide	ND	100	16		Methyl-t-Butyl Ether (MTBE)	ND	120	16	
Carbon Tetrachloride	ND	50	16		Methylene Chloride	ND	280	16	
Chlorobenzene	ND	37	16		4-Methyl-2-Pentanone	ND	98	16	
Chloroethane	ND	21	16		o-Xylene	ND	35	16	
Chloroform	2400	39	16		p/m-Xylene	ND	140	16	
Chloromethane	ND	17	16		Styrene	ND	100	16	
Dibromochloromethane	ND	68	16		Tetrachloroethene	22000	170	50	
Dichlorodifluoromethane	ND	40	16		Toluene	35	30	16	
1,1-Dichloroethane	59	32	16		Trichloroethene	2500	43	16	
1,1-Dichloroethene	3500	32	16		Trichlorofluoromethane	1800	90	16	
1,2-Dibromoethane	ND	61	16		1,1,2-Trichloro-1,2,2-Trifluoroethane	7700	180	16	
Dichlorotetrafluoroethane	ND	220	16		1,1,1-Trichloroethane	ND	44	16	
1,2-Dichlorobenzene	ND	48	16		1,1,2-Trichloroethane	ND	44	16	
1,2-Dichloroethane	43	32	16		1,3,5-Trimethylbenzene	ND	39	16	
1,2-Dichloropropane	ND	37	16		1,1,2,2-Tetrachloroethane	ND	110	16	
1,3-Dichlorobenzene	ND	48	16		1,2,4-Trimethylbenzene	ND	120	16	
1,4-Dichlorobenzene	ND	48	16		1,2,4-Trichlorobenzene	ND	240	16	
1,4-Dioxane	ND	580	16		Vinyl Acetate	ND	110	16	
c-1,3-Dichloropropene	ND	36	16		Vinyl Chloride	140	20	16	
c-1,2-Dichloroethene	ND	32	16		Isopropanol	ND	200	16	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 9 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-28S_042412	**12-04-1631-9-A**	**04/24/12 14:58**	**Air**	**GC/MS K**	**N/A**	**04/27/12 23:56**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	500	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	4700	140	40	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	19	10	5		Trichloroethene	670	13	5	
1,1-Dichloroethene	290	9.9	5		Trichlorofluoromethane	ND	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	130	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-29S_042412	**12-04-1631-10-A**	**04/24/12 15:00**	**Air**	**GC/MS K**	**N/A**	**04/28/12 00:43**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	24	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	22	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	170	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	5300	140	40	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	15	10	5		Trichloroethene	720	13	5	
1,1-Dichloroethene	940	9.9	5		Trichlorofluoromethane	140	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	490	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	ND	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	ND	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-30S_042412	**12-04-1631-11-A**	**04/24/12 15:02**	**Air**	**GC/MS K**	**N/A**	**04/28/12 01:29**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	950	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	16000	340	100	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	57	20	10		Trichloroethene	1800	27	10	
1,1-Dichloroethene	2200	20	10		Trichlorofluoromethane	330	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	1100	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	63	13	10	
c-1,2-Dichloroethene	94	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,017**	**N/A**	**Air**	**GC/MS V**	**N/A**	**04/26/12 12:52**	**120426L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,021**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/27/12 13:33**	**120427L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	04/26/12
1322 Scott Street, Suite 104		Work Order No:	12-04-1631
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,031**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**04/28/12 13:36**	**120428L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	93	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,017	**Air**	**GC/MS V**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	99	96	50-150	33-167	4	0-35	
n-Propylbenzene	25.00	96	93	50-150	33-167	3	0-35	
Acetone	25.00	108	105	50-150	33-167	3	0-35	
Benzene	25.00	108	108	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	115	116	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	110	110	50-150	33-167	0	0-35	
Bromoform	25.00	111	106	62-134	50-146	4	0-38	
Bromomethane	25.00	116	114	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	105	104	50-150	33-167	1	0-35	
2-Butanone	25.00	120	117	50-150	33-167	3	0-35	
Carbon Disulfide	25.00	125	126	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	113	114	64-154	49-169	1	0-32	
Chlorobenzene	25.00	107	105	50-150	33-167	1	0-35	
Chloroethane	25.00	120	119	50-150	33-167	1	0-35	
Chloroform	25.00	106	105	50-150	33-167	1	0-35	
Chloromethane	25.00	118	117	50-150	33-167	1	0-35	
Cyclohexane	25.00	110	110	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	111	112	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	110	109	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	104	103	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	106	106	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	103	103	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	111	111	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	96	95	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	110	110	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	111	110	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	108	108	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	25.00	110	108	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	111	111	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	140	131	50-150	33-167	6	0-35	
c-1,3-Dichloropropene	25.00	116	116	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	105	105	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	102	102	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,017	**Air**	**GC/MS V**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	128	129	50-150	33-167	0	0-35	
Ethanol	100.0	95	87	50-150	33-167	9	0-35	
Ethyl Acetate	25.00	110	113	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	108	106	50-150	33-167	2	0-35	
Ethylbenzene	25.00	111	109	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	113	111	50-150	33-167	2	0-35	
Heptane	25.00	105	106	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	105	108	50-150	33-167	2	0-35	
Hexane	25.00	110	109	50-150	33-167	1	0-35	
2-Hexanone	25.00	149	148	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	108	107	50-150	33-167	1	0-35	
Methylene Chloride	25.00	106	107	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	130	129	50-150	33-167	1	0-35	
Naphthalene	25.00	113	112	40-190	15-215	1	0-35	
o-Xylene	25.00	110	106	52-148	36-164	3	0-38	
p/m-Xylene	50.00	111	108	42-156	23-175	2	0-41	
Propene	25.00	113	112	50-150	33-167	1	0-35	
Styrene	25.00	110	106	50-150	33-167	4	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	106	105	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	113	102	50-150	33-167	11	0-35	
Tetrachloroethene	25.00	110	111	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	114	112	50-150	33-167	2	0-35	
Toluene	25.00	109	110	56-146	41-161	0	0-43	
Trichloroethene	25.00	109	108	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	109	107	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	107	107	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	111	111	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	109	108	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	109	106	50-150	33-167	3	0-35	
Acrolein	25.00	112	110	50-150	33-167	1	0-35	
Acrylonitrile	25.00	104	103	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	122	121	50-150	33-167	1	0-35	
Propane	50.00	114	112	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,017	**Air**	**GC/MS V**	**N/A**	**04/26/12**	**120426L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	112	110	50-150	33-167	2	0-35	
Methanol	75.00	47	44	50-150	33-167	7	0-35	ME
2,2,4-Trimethyl Pentane	25.00	103	103	50-150	33-167	0	0-35	
Isobutane	50.00	110	108	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	109	109	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	113	112	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	107	106	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	112	112	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	106	105	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	102	101	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	109	107	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	109	109	50-150	33-167	0	0-35	
Isopropanol	25.00	116	103	50-150	33-167	12	0-35	
2-Chlorotoluene	25.00	121	115	50-150	33-167	5	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 1
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,021	**Air**	**GC/MS K**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	98	87	50-150	33-167	13	0-35	
n-Propylbenzene	25.00	93	82	50-150	33-167	13	0-35	
Acetone	25.00	104	94	50-150	33-167	10	0-35	
Benzene	25.00	123	104	60-156	44-172	16	0-40	
Benzyl Chloride	25.00	121	107	50-150	33-167	12	0-35	
Bromodichloromethane	25.00	124	105	50-150	33-167	16	0-35	
Bromoform	25.00	118	104	62-134	50-146	13	0-38	
Bromomethane	25.00	120	108	50-150	33-167	11	0-35	
1,3-Butadiene	25.00	113	101	50-150	33-167	11	0-35	
2-Butanone	25.00	120	106	50-150	33-167	13	0-35	
Carbon Disulfide	25.00	139	125	50-150	33-167	11	0-35	
Carbon Tetrachloride	25.00	127	107	64-154	49-169	17	0-32	
Chlorobenzene	25.00	112	100	50-150	33-167	12	0-35	
Chloroethane	25.00	127	113	50-150	33-167	12	0-35	
Chloroform	25.00	112	100	50-150	33-167	11	0-35	
Chloromethane	25.00	127	113	50-150	33-167	11	0-35	
Cyclohexane	25.00	125	105	50-150	33-167	17	0-35	
Dibromochloromethane	25.00	116	103	50-150	33-167	12	0-35	
Dichlorodifluoromethane	25.00	112	101	50-150	33-167	11	0-35	
Diisopropyl Ether (DIPE)	25.00	105	94	50-150	33-167	11	0-35	
1,1-Dichloroethane	25.00	118	104	50-150	33-167	12	0-35	
1,1-Dichloroethene	25.00	111	99	50-150	33-167	11	0-35	
1,2-Dibromoethane	25.00	115	103	54-144	39-159	12	0-36	
Dichlorotetrafluoroethane	25.00	100	89	50-150	33-167	11	0-35	
1,2-Dichlorobenzene	25.00	106	94	34-160	13-181	12	0-47	
1,2-Dichloroethane	25.00	115	102	69-153	55-167	12	0-35	
1,2-Dichloropropane	25.00	127	107	67-157	52-172	17	0-35	
1,3-Dichlorobenzene	25.00	109	97	50-150	33-167	12	0-35	
1,4-Dichlorobenzene	25.00	109	96	36-156	16-176	12	0-47	
1,4-Dioxane	25.00	115	99	50-150	33-167	15	0-35	
c-1,3-Dichloropropene	25.00	134	113	61-157	45-173	17	0-35	
c-1,2-Dichloroethene	25.00	117	105	50-150	33-167	10	0-35	
t-1,2-Dichloroethene	25.00	119	105	50-150	33-167	13	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,021	**Air**	**GC/MS K**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	150	127	50-150	33-167	17	0-35	
Ethanol	100.0	91	82	50-150	33-167	10	0-35	
Ethyl Acetate	25.00	116	103	50-150	33-167	12	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	99	90	50-150	33-167	10	0-35	
Ethylbenzene	25.00	115	101	52-154	35-171	13	0-38	
4-Ethyltoluene	25.00	114	101	50-150	33-167	13	0-35	
Heptane	25.00	123	104	50-150	33-167	17	0-35	
Hexachloro-1,3-Butadiene	25.00	113	100	50-150	33-167	12	0-35	
Hexane	25.00	120	107	50-150	33-167	11	0-35	
2-Hexanone	25.00	113	100	50-150	33-167	12	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	107	95	50-150	33-167	12	0-35	
Methylene Chloride	25.00	118	106	50-150	33-167	11	0-35	
4-Methyl-2-Pentanone	25.00	126	106	50-150	33-167	17	0-35	
Naphthalene	25.00	97	86	40-190	15-215	11	0-35	
o-Xylene	25.00	113	100	52-148	36-164	13	0-38	
p/m-Xylene	50.00	114	100	42-156	23-175	13	0-41	
Propene	25.00	124	107	50-150	33-167	15	0-35	
Styrene	25.00	119	105	50-150	33-167	13	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	107	91	50-150	33-167	16	0-35	
Tert-Butyl Alcohol (TBA)	50.00	98	89	50-150	33-167	9	0-35	
Tetrachloroethene	25.00	111	99	56-152	40-168	12	0-40	
Tetrahydrofuran	25.00	121	108	50-150	33-167	11	0-35	
Toluene	25.00	109	96	56-146	41-161	12	0-43	
Trichloroethene	25.00	119	101	63-159	47-175	17	0-34	
Trichlorofluoromethane	25.00	111	98	50-150	33-167	12	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	113	101	50-150	33-167	11	0-35	
1,1,1-Trichloroethane	25.00	116	103	50-150	33-167	12	0-35	
1,1,2-Trichloroethane	25.00	125	105	65-149	51-163	17	0-37	
1,2,3-Trichloropropane	25.00	112	99	50-150	33-167	13	0-35	
Acrolein	25.00	117	105	50-150	33-167	11	0-35	
Acrylonitrile	25.00	108	96	50-150	33-167	11	0-35	
Methyl Methacrylate	25.00	128	109	50-150	33-167	16	0-35	
Propane	50.00	122	102	50-150	33-167	18	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,021	**Air**	**GC/MS K**	**N/A**	**04/27/12**	**120427L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	118	106	50-150	33-167	10	0-35	
Methanol	75.00	56	46	50-150	33-167	20	0-35	ME
2,2,4-Trimethyl Pentane	25.00	118	100	50-150	33-167	17	0-35	
Isobutane	50.00	114	103	50-150	33-167	11	0-35	
1,1,1,2-Tetrafluoroethane	25.00	115	104	50-150	33-167	10	0-35	
1,3,5-Trimethylbenzene	25.00	112	99	50-150	33-167	12	0-35	
1,1,2,2-Tetrachloroethane	25.00	110	96	50-150	33-167	13	0-35	
1,2,4-Trimethylbenzene	25.00	114	101	50-150	33-167	12	0-35	
1,2,4-Trichlorobenzene	25.00	105	94	50-150	33-167	11	0-35	
Vinyl Acetate	25.00	111	99	50-150	33-167	11	0-35	
Vinyl Chloride	25.00	117	104	45-177	23-199	11	0-36	
1,1-Difluoroethane	25.00	117	106	50-150	33-167	10	0-35	
Isopropanol	25.00	109	99	50-150	33-167	11	0-35	
2-Chlorotoluene	25.00	123	109	50-150	33-167	12	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 1
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,031	**Air**	**GC/MS AA**	**N/A**	**04/28/12**	**120428L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	83	84	50-150	33-167	2	0-35	
n-Propylbenzene	25.00	79	80	50-150	33-167	1	0-35	
Acetone	25.00	84	84	50-150	33-167	0	0-35	
Benzene	25.00	93	96	60-156	44-172	2	0-40	
Benzyl Chloride	25.00	87	89	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	95	99	50-150	33-167	3	0-35	
Bromoform	25.00	96	99	62-134	50-146	2	0-38	
Bromomethane	25.00	103	106	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	81	83	50-150	33-167	2	0-35	
2-Butanone	25.00	80	80	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	108	110	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	98	101	64-154	49-169	3	0-32	
Chlorobenzene	25.00	98	99	50-150	33-167	1	0-35	
Chloroethane	25.00	102	102	50-150	33-167	1	0-35	
Chloroform	25.00	88	90	50-150	33-167	2	0-35	
Chloromethane	25.00	89	91	50-150	33-167	2	0-35	
Cyclohexane	25.00	84	86	50-150	33-167	3	0-35	
Dibromochloromethane	25.00	103	104	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	90	93	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	25.00	74	75	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	87	89	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	85	86	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	101	102	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	83	84	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	87	89	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	87	89	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	91	94	67-157	52-172	3	0-35	
1,3-Dichlorobenzene	25.00	87	89	50-150	33-167	3	0-35	
1,4-Dichlorobenzene	25.00	89	90	36-156	16-176	2	0-47	
1,4-Dioxane	25.00	81	83	50-150	33-167	2	0-35	
c-1,3-Dichloropropene	25.00	95	98	61-157	45-173	3	0-35	
c-1,2-Dichloroethene	25.00	93	95	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	90	91	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,031	**Air**	**GC/MS AA**	**N/A**	**04/28/12**	**120428L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	102	105	50-150	33-167	3	0-35	
Ethanol	100.0	67	68	50-150	33-167	2	0-35	
Ethyl Acetate	25.00	92	93	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	84	84	50-150	33-167	1	0-35	
Ethylbenzene	25.00	96	97	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	92	93	50-150	33-167	2	0-35	
Heptane	25.00	98	100	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	52	55	50-150	33-167	5	0-35	
Hexane	25.00	86	87	50-150	33-167	2	0-35	
2-Hexanone	25.00	85	85	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	90	91	50-150	33-167	1	0-35	
Methylene Chloride	25.00	96	97	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	85	87	50-150	33-167	2	0-35	
Naphthalene	25.00	65	67	40-190	15-215	4	0-35	
o-Xylene	25.00	92	93	52-148	36-164	2	0-38	
p/m-Xylene	50.00	93	95	42-156	23-175	2	0-41	
Propene	25.00	80	81	50-150	33-167	1	0-35	
Styrene	25.00	95	96	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	88	90	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	80	81	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	96	97	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	79	79	50-150	33-167	0	0-35	
Toluene	25.00	96	98	56-146	41-161	2	0-43	
Trichloroethene	25.00	94	97	63-159	47-175	3	0-34	
Trichlorofluoromethane	25.00	93	95	50-150	33-167	3	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	93	96	50-150	33-167	3	0-35	
1,1,1-Trichloroethane	25.00	92	93	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	95	98	65-149	51-163	3	0-37	
1,2,3-Trichloropropane	25.00	92	93	50-150	33-167	1	0-35	
Acrolein	25.00	86	88	50-150	33-167	1	0-35	
Acrylonitrile	25.00	77	78	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	95	97	50-150	33-167	2	0-35	
Propane	50.00	78	78	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-04-1631
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,031	**Air**	**GC/MS AA**	**N/A**	**04/28/12**	**120428L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	83	85	50-150	33-167	2	0-35	
Methanol	75.00	46	47	50-150	33-167	1	0-35	ME
2,2,4-Trimethyl Pentane	25.00	82	84	50-150	33-167	2	0-35	
Isobutane	50.00	80	81	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	91	93	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	91	91	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	92	94	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	93	94	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	61	64	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	71	72	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	89	91	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	82	84	50-150	33-167	2	0-35	
Isopropanol	25.00	74	75	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	98	100	50-150	33-167	2	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 1
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-04-1631**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_VE-20S_042412	-5.00	-29.80	LC458	Summa Canister 1L
OC_SVE2_VE-21S_042412	-5.00	-29.70	LC059	Summa Canister 1L
OC_SVE2_VE-22S_042412	-4.00	-29.80	LC401	Summa Canister 1L
OC_SVE2_VE-23S_042412	-5.00	-29.70	LC364	Summa Canister 1L
OC_SVE2_VE-24S_042412	-5.00	-29.80	LC437	Summa Canister 1L
OC_SVE2_VE-25S_042412	-5.00	-29.70	LC071	Summa Canister 1L
OC_SVE2_VE-26S_042412	-4.00	-29.70	LC362	Summa Canister 1L
OC_SVE2_VE-27S_042412	-5.00	-29.80	LC482	Summa Canister 1L
OC_SVE2_VE-28S_042412	-4.00	-29.70	LC120	Summa Canister 1L
OC_SVE2_VE-29S_042412	-5.00	-29.80	LC404	Summa Canister 1L
OC_SVE2_VE-30S_042412	-0.90	-29.70	LC365	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-04-1631

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 04/24/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-04-1631

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)				
1	OC_SVE2_VE-20S_042412	SP-VE-20S	SV	1648	1L	NA	4/24/2012	1440	-30	4/24/2012	1442	-2	x				
2	OC_SVE2_VE-21S_042412	SP-VE-21S	SV	1024	1L	NA	4/24/2012	1442	-30	4/24/2012	1444	-2	x				
3	OC_SVE2_VE-22S_042412	SP-VE-22S	SV	1405	1L	NA	4/24/2012	1444	-30	4/24/2012	1446	-2	x				
4	OC_SVE2_VE-23S_042412	SP-VE-23S	SV	1622	1L	NA	4/24/2012	1446	-30	4/24/2012	1448	-2	x				
5	OC_SVE2_VE-24S_042412	SP-VE-24S	SV	1675	1L	NA	4/24/2012	1448	-30	4/24/2012	1450	-2	x				
6	OC_SVE2_VE-25S_042412	SP-VE-25S	SV	1014	1L	NA	4/24/2012	1450	-30	4/24/2012	1452	-2	x				
7	OC_SVE2_VE-26S_042412	SP-VE-26S	SV	1620	1L	NA	4/24/2012	1452	-30	4/24/2012	1454	-2	x				
8	OC_SVE2_VE-27S_042412	SP-VE-27S	SV	1655	1L	NA	4/24/2012	1454	-30	4/24/2012	1456	-2	x				
9	OC_SVE2_VE-28S_042412	SP-VE-28S	SV	1042	1L	NA	4/24/2012	1456	-30	4/24/2012	1458	-2	x				
10	OC_SVE2_VE-29S_042412	SP-VE-29S	SV	1385	1L	NA	4/24/2012	1458	-30	4/24/2012	1500	-2	x				
11	OC_SVE2_VE-30S_042412	SP-VE-30S	SV	1619	1L	NA	4/24/2012	1500	-30	4/24/2012	1502	-2	x				
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	4-26-12	1439
[signature] CCL	Danny le CCL	4/26/12	[illegible]

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-04-1631

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: de maximis

DATE: 04/26/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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:** AY

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** AY

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** KC

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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-05-1330

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 05/24/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1330
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-21S_051612 (12-05-1330-1)						
Chloroform	**51**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**570**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2300**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**170**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**98**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**430**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-22S_051612 (12-05-1330-2)						
Chloroform	**590**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**28**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3500**		20	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**23**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**15000**		120	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1100**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**840**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**6200**		380	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-23S_051612 (12-05-1330-3)						
Chloroform	**36**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**180**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**760**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**73**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**20**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**50**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-24S_051612 (12-05-1330-4)						
Chloroform	**5.8**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**640**		4.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**900**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**54**		4.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**170**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**490**		12	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1330
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-25S_051612 (12-05-1330-5)						
Chloroform	**560**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**19**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**570**		8.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**14**		8.0	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**8.1**		8.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3900**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**550**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**35**		16	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**130**		24	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-26S_051612 (12-05-1330-6)						
Chloroform	**800**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**27**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**4600**		120	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**67**		20	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**21**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**11000**		120	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1400**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1500**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**7000**		380	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-27S_051612 (12-05-1330-7)						
Chloroform	**370**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**10**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**740**		4.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**14**		4.0	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**4.6**		4.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1800**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**330**		4.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**330**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**870**		60	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1330
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-28S_051612 (12-05-1330-8)						
Acetone	**5.9**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**6.3**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloroform	**90**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**3.2**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**26**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**470**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**76**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1.3**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2.2**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-29S_051612 (12-05-1330-9)						
Chloroform	**27**		2.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**360**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**630**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**100**		2.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**62**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**150**		6.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-30S_051612 (12-05-1330-10)						
Chloroform	**150**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**6.4**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**430**		2.5	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**5.2**		2.5	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.8**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1100**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**180**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**45**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**85**		7.5	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1330
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-21S_051612 (12-05-1330-1)						
Chloroform	**250**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2300**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**16000**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**930**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**550**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3300**		230	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-22S_051612 (12-05-1330-2)						
Chloroform	**2900**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**110**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**14000**		79	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**93**		81	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**100000**		850	ug/m3	EPA TO-15	N/A
Trichloroethene	**5800**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**4700**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**48000**		2900	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-23S_051612 (12-05-1330-3)						
Chloroform	**180**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**710**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**5200**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**390**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**110**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**380**		110	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-24S_051612 (12-05-1330-4)						
Chloroform	**28**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2500**		16	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**6100**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**290**		21	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**940**		45	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3800**		92	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1330
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-25S_051612 (12-05-1330-5)						
Chloroform	**2700**		39	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**76**		32	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2300**		32	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**55**		32	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**32**		32	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**27000**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**3000**		43	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**200**		90	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1000**		180	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-26S_051612 (12-05-1330-6)						
Chloroform	**3900**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**110**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**18000**		500	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**270**		81	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**82**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**73000**		850	ug/m3	EPA TO-15	N/A
Trichloroethene	**7400**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**8500**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**54000**		2900	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-27S_051612 (12-05-1330-7)						
Chloroform	**1800**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**41**		16	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3000**		16	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**56**		16	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**18**		16	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**12000**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**1800**		21	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**1900**		45	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**6700**		460	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1330
		Project name:	Omega - SVE
		Received:	05/17/12 18:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-28S_051612 (12-05-1330-8)						
Acetone	**14**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**1.7**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**19**		4.4	ug/m3	EPA TO-15	N/A
Chloroform	**440**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**13**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**100**		2.0	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**4.5**		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**5.3**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**3200**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**410**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**7.4**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**17**		11	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-29S_051612 (12-05-1330-9)						
Chloroform	**130**		9.8	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1400**		7.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4300**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**550**		11	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**350**		22	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1200**		46	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-30S_051612 (12-05-1330-10)						
Chloroform	**750**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**26**		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1700**		9.9	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**21**		10	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**11**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**7800**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**970**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**250**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**650**		57	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-21S_051612	**12-05-1330-1-A**	**05/16/12 17:58**	**Air**	**GC/MS K**	**N/A**	**05/18/12 01:11**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40	20		t-1,2-Dichloroethene	ND	10	20	
Benzene	ND	10	20		t-1,3-Dichloropropene	ND	20	20	
Benzyl Chloride	ND	30	20		Ethylbenzene	ND	10	20	
Bromodichloromethane	ND	10	20		4-Ethyltoluene	ND	10	20	
Bromoform	ND	10	20		Hexachloro-1,3-Butadiene	ND	30	20	
Bromomethane	ND	10	20		Hexane	ND	40	20	
2-Butanone	ND	30	20		2-Hexanone	ND	30	20	
Carbon Disulfide	ND	40	20		Methyl-t-Butyl Ether (MTBE)	ND	40	20	
Carbon Tetrachloride	ND	10	20		Methylene Chloride	ND	100	20	
Chlorobenzene	ND	10	20		4-Methyl-2-Pentanone	ND	30	20	
Chloroethane	ND	10	20		o-Xylene	ND	10	20	
Chloroform	51	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	2300	20	40	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	ND	10	20		Trichloroethene	170	10	20	
1,1-Dichloroethene	570	10	20		Trichlorofluoromethane	98	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	430	30	20	
Dichlorotetrafluoroethane	ND	40	20		1,1,1-Trichloroethane	ND	10	20	
1,2-Dichlorobenzene	ND	10	20		1,1,2-Trichloroethane	ND	10	20	
1,2-Dichloroethane	ND	10	20		1,3,5-Trimethylbenzene	ND	10	20	
1,2-Dichloropropane	ND	10	20		1,1,2,2-Tetrachloroethane	ND	20	20	
1,3-Dichlorobenzene	ND	10	20		1,2,4-Trimethylbenzene	ND	30	20	
1,4-Dichlorobenzene	ND	10	20		1,2,4-Trichlorobenzene	ND	40	20	
1,4-Dioxane	ND	200	20		Vinyl Acetate	ND	40	20	
c-1,3-Dichloropropene	ND	10	20		Vinyl Chloride	ND	10	20	
c-1,2-Dichloroethene	ND	10	20		Isopropanol	ND	100	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-22S_051612	**12-05-1330-2-A**	**05/16/12 18:03**	**Air**	**GC/MS K**	**N/A**	**05/18/12 01:57**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	590	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	15000	120	250	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	28	20	40		Trichloroethene	1100	20	40	
1,1-Dichloroethene	3500	20	40		Trichlorofluoromethane	840	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	6200	380	250	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	23	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 3 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-23S_051612	**12-05-1330-3-A**	**05/16/12 18:08**	**Air**	**GC/MS K**	**N/A**	**05/18/12 02:44**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	36	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	760	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	73	5.0	10	
1,1-Dichloroethene	180	5.0	10		Trichlorofluoromethane	20	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	50	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 4 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-24S_051612	**12-05-1330-4-A**	**05/16/12 18:13**	**Air**	**GC/MS K**	**N/A**	**05/18/12 04:18**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	16	8		t-1,2-Dichloroethene	ND	4.0	8	
Benzene	ND	4.0	8		t-1,3-Dichloropropene	ND	8.0	8	
Benzyl Chloride	ND	12	8		Ethylbenzene	ND	4.0	8	
Bromodichloromethane	ND	4.0	8		4-Ethyltoluene	ND	4.0	8	
Bromoform	ND	4.0	8		Hexachloro-1,3-Butadiene	ND	12	8	
Bromomethane	ND	4.0	8		Hexane	ND	16	8	
2-Butanone	ND	12	8		2-Hexanone	ND	12	8	
Carbon Disulfide	ND	16	8		Methyl-t-Butyl Ether (MTBE)	ND	16	8	
Carbon Tetrachloride	ND	4.0	8		Methylene Chloride	ND	40	8	
Chlorobenzene	ND	4.0	8		4-Methyl-2-Pentanone	ND	12	8	
Chloroethane	ND	4.0	8		o-Xylene	ND	4.0	8	
Chloroform	5.8	4.0	8		p/m-Xylene	ND	16	8	
Chloromethane	ND	4.0	8		Styrene	ND	12	8	
Dibromochloromethane	ND	4.0	8		Tetrachloroethene	900	10	20	
Dichlorodifluoromethane	ND	4.0	8		Toluene	ND	4.0	8	
1,1-Dichloroethane	ND	4.0	8		Trichloroethene	54	4.0	8	
1,1-Dichloroethene	640	4.0	8		Trichlorofluoromethane	170	8.0	8	
1,2-Dibromoethane	ND	4.0	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	490	12	8	
Dichlorotetrafluoroethane	ND	16	8		1,1,1-Trichloroethane	ND	4.0	8	
1,2-Dichlorobenzene	ND	4.0	8		1,1,2-Trichloroethane	ND	4.0	8	
1,2-Dichloroethane	ND	4.0	8		1,3,5-Trimethylbenzene	ND	4.0	8	
1,2-Dichloropropane	ND	4.0	8		1,1,2,2-Tetrachloroethane	ND	8.0	8	
1,3-Dichlorobenzene	ND	4.0	8		1,2,4-Trimethylbenzene	ND	12	8	
1,4-Dichlorobenzene	ND	4.0	8		1,2,4-Trichlorobenzene	ND	16	8	
1,4-Dioxane	ND	80	8		Vinyl Acetate	ND	16	8	
c-1,3-Dichloropropene	ND	4.0	8		Vinyl Chloride	ND	4.0	8	
c-1,2-Dichloroethene	ND	4.0	8		Isopropanol	ND	40	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 5 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-25S_051612	**12-05-1330-5-A**	**05/16/12 18:18**	**Air**	**GC/MS K**	**N/A**	**05/18/12 05:05**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	32	16		t-1,2-Dichloroethene	8.1	8.0	16	
Benzene	ND	8.0	16		t-1,3-Dichloropropene	ND	16	16	
Benzyl Chloride	ND	24	16		Ethylbenzene	ND	8.0	16	
Bromodichloromethane	ND	8.0	16		4-Ethyltoluene	ND	8.0	16	
Bromoform	ND	8.0	16		Hexachloro-1,3-Butadiene	ND	24	16	
Bromomethane	ND	8.0	16		Hexane	ND	32	16	
2-Butanone	ND	24	16		2-Hexanone	ND	24	16	
Carbon Disulfide	ND	32	16		Methyl-t-Butyl Ether (MTBE)	ND	32	16	
Carbon Tetrachloride	ND	8.0	16		Methylene Chloride	ND	80	16	
Chlorobenzene	ND	8.0	16		4-Methyl-2-Pentanone	ND	24	16	
Chloroethane	ND	8.0	16		o-Xylene	ND	8.0	16	
Chloroform	560	8.0	16		p/m-Xylene	ND	32	16	
Chloromethane	ND	8.0	16		Styrene	ND	24	16	
Dibromochloromethane	ND	8.0	16		Tetrachloroethene	3900	50	100	
Dichlorodifluoromethane	ND	8.0	16		Toluene	ND	8.0	16	
1,1-Dichloroethane	19	8.0	16		Trichloroethene	550	8.0	16	
1,1-Dichloroethene	570	8.0	16		Trichlorofluoromethane	35	16	16	
1,2-Dibromoethane	ND	8.0	16		1,1,2-Trichloro-1,2,2-Trifluoroethane	130	24	16	
Dichlorotetrafluoroethane	ND	32	16		1,1,1-Trichloroethane	ND	8.0	16	
1,2-Dichlorobenzene	ND	8.0	16		1,1,2-Trichloroethane	ND	8.0	16	
1,2-Dichloroethane	14	8.0	16		1,3,5-Trimethylbenzene	ND	8.0	16	
1,2-Dichloropropane	ND	8.0	16		1,1,2,2-Tetrachloroethane	ND	16	16	
1,3-Dichlorobenzene	ND	8.0	16		1,2,4-Trimethylbenzene	ND	24	16	
1,4-Dichlorobenzene	ND	8.0	16		1,2,4-Trichlorobenzene	ND	32	16	
1,4-Dioxane	ND	160	16		Vinyl Acetate	ND	32	16	
c-1,3-Dichloropropene	ND	8.0	16		Vinyl Chloride	ND	8.0	16	
c-1,2-Dichloroethene	ND	8.0	16		Isopropanol	ND	80	16	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 6 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-26S_051612	**12-05-1330-6-A**	**05/16/12 18:23**	**Air**	**GC/MS K**	**N/A**	**05/18/12 03:30**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	21	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	800	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	11000	120	250	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	27	20	40		Trichloroethene	1400	20	40	
1,1-Dichloroethene	4600	120	250		Trichlorofluoromethane	1500	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	7000	380	250	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	67	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-27S_051612	**12-05-1330-7-A**	**05/16/12 18:28**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 05:54**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	16	8		t-1,2-Dichloroethene	4.6	4.0	8	
Benzene	ND	4.0	8		t-1,3-Dichloropropene	ND	8.0	8	
Benzyl Chloride	ND	12	8		Ethylbenzene	ND	4.0	8	
Bromodichloromethane	ND	4.0	8		4-Ethyltoluene	ND	4.0	8	
Bromoform	ND	4.0	8		Hexachloro-1,3-Butadiene	ND	12	8	
Bromomethane	ND	4.0	8		Hexane	ND	16	8	
2-Butanone	ND	12	8		2-Hexanone	ND	12	8	
Carbon Disulfide	ND	16	8		Methyl-t-Butyl Ether (MTBE)	ND	16	8	
Carbon Tetrachloride	ND	4.0	8		Methylene Chloride	ND	40	8	
Chlorobenzene	ND	4.0	8		4-Methyl-2-Pentanone	ND	12	8	
Chloroethane	ND	4.0	8		o-Xylene	ND	4.0	8	
Chloroform	370	4.0	8		p/m-Xylene	ND	16	8	
Chloromethane	ND	4.0	8		Styrene	ND	12	8	
Dibromochloromethane	ND	4.0	8		Tetrachloroethene	1800	20	40	
Dichlorodifluoromethane	ND	4.0	8		Toluene	ND	4.0	8	
1,1-Dichloroethane	10	4.0	8		Trichloroethene	330	4.0	8	
1,1-Dichloroethene	740	4.0	8		Trichlorofluoromethane	330	8.0	8	
1,2-Dibromoethane	ND	4.0	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	870	60	40	
Dichlorotetrafluoroethane	ND	16	8		1,1,1-Trichloroethane	ND	4.0	8	
1,2-Dichlorobenzene	ND	4.0	8		1,1,2-Trichloroethane	ND	4.0	8	
1,2-Dichloroethane	14	4.0	8		1,3,5-Trimethylbenzene	ND	4.0	8	
1,2-Dichloropropane	ND	4.0	8		1,1,2,2-Tetrachloroethane	ND	8.0	8	
1,3-Dichlorobenzene	ND	4.0	8		1,2,4-Trimethylbenzene	ND	12	8	
1,4-Dichlorobenzene	ND	4.0	8		1,2,4-Trichlorobenzene	ND	16	8	
1,4-Dioxane	ND	80	8		Vinyl Acetate	ND	16	8	
c-1,3-Dichloropropene	ND	4.0	8		Vinyl Chloride	ND	4.0	8	
c-1,2-Dichloroethene	ND	4.0	8		Isopropanol	ND	40	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-28S_051612	**12-05-1330-8-A**	**05/16/12 18:33**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 01:55**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.9	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.53	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	6.3	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	90	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	470	5.0	10	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	3.2	0.50	1		Trichloroethene	76	0.50	1	
1,1-Dichloroethene	26	0.50	1		Trichlorofluoromethane	1.3	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	2.2	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	1.1	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	1.3	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-29S_051612	**12-05-1330-9-A**	**05/16/12 18:38**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 04:13**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	8.0	4		t-1,2-Dichloroethene	ND	2.0	4	
Benzene	ND	2.0	4		t-1,3-Dichloropropene	ND	4.0	4	
Benzyl Chloride	ND	6.0	4		Ethylbenzene	ND	2.0	4	
Bromodichloromethane	ND	2.0	4		4-Ethyltoluene	ND	2.0	4	
Bromoform	ND	2.0	4		Hexachloro-1,3-Butadiene	ND	6.0	4	
Bromomethane	ND	2.0	4		Hexane	ND	8.0	4	
2-Butanone	ND	6.0	4		2-Hexanone	ND	6.0	4	
Carbon Disulfide	ND	8.0	4		Methyl-t-Butyl Ether (MTBE)	ND	8.0	4	
Carbon Tetrachloride	ND	2.0	4		Methylene Chloride	ND	20	4	
Chlorobenzene	ND	2.0	4		4-Methyl-2-Pentanone	ND	6.0	4	
Chloroethane	ND	2.0	4		o-Xylene	ND	2.0	4	
Chloroform	27	2.0	4		p/m-Xylene	ND	8.0	4	
Chloromethane	ND	2.0	4		Styrene	ND	6.0	4	
Dibromochloromethane	ND	2.0	4		Tetrachloroethene	630	10	20	
Dichlorodifluoromethane	ND	2.0	4		Toluene	ND	2.0	4	
1,1-Dichloroethane	ND	2.0	4		Trichloroethene	100	2.0	4	
1,1-Dichloroethene	360	2.0	4		Trichlorofluoromethane	62	4.0	4	
1,2-Dibromoethane	ND	2.0	4		1,1,2-Trichloro-1,2,2-Trifluoroethane	150	6.0	4	
Dichlorotetrafluoroethane	ND	8.0	4		1,1,1-Trichloroethane	ND	2.0	4	
1,2-Dichlorobenzene	ND	2.0	4		1,1,2-Trichloroethane	ND	2.0	4	
1,2-Dichloroethane	ND	2.0	4		1,3,5-Trimethylbenzene	ND	2.0	4	
1,2-Dichloropropane	ND	2.0	4		1,1,2,2-Tetrachloroethane	ND	4.0	4	
1,3-Dichlorobenzene	ND	2.0	4		1,2,4-Trimethylbenzene	ND	6.0	4	
1,4-Dichlorobenzene	ND	2.0	4		1,2,4-Trichlorobenzene	ND	8.0	4	
1,4-Dioxane	ND	40	4		Vinyl Acetate	ND	8.0	4	
c-1,3-Dichloropropene	ND	2.0	4		Vinyl Chloride	ND	2.0	4	
c-1,2-Dichloroethene	ND	2.0	4		Isopropanol	ND	20	4	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-30S_051612	**12-05-1330-10-A**	**05/16/12 18:43**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 05:08**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	ND	2.5	5	
Bromodichloromethane	ND	2.5	5		4-Ethyltoluene	ND	2.5	5	
Bromoform	ND	2.5	5		Hexachloro-1,3-Butadiene	ND	7.5	5	
Bromomethane	ND	2.5	5		Hexane	ND	10	5	
2-Butanone	ND	7.5	5		2-Hexanone	ND	7.5	5	
Carbon Disulfide	ND	10	5		Methyl-t-Butyl Ether (MTBE)	ND	10	5	
Carbon Tetrachloride	ND	2.5	5		Methylene Chloride	ND	25	5	
Chlorobenzene	ND	2.5	5		4-Methyl-2-Pentanone	ND	7.5	5	
Chloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
Chloroform	150	2.5	5		p/m-Xylene	ND	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	1100	10	20	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	6.4	2.5	5		Trichloroethene	180	2.5	5	
1,1-Dichloroethene	430	2.5	5		Trichlorofluoromethane	45	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	85	7.5	5	
Dichlorotetrafluoroethane	ND	10	5		1,1,1-Trichloroethane	ND	2.5	5	
1,2-Dichlorobenzene	ND	2.5	5		1,1,2-Trichloroethane	ND	2.5	5	
1,2-Dichloroethane	5.2	2.5	5		1,3,5-Trimethylbenzene	ND	2.5	5	
1,2-Dichloropropane	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
1,3-Dichlorobenzene	ND	2.5	5		1,2,4-Trimethylbenzene	ND	7.5	5	
1,4-Dichlorobenzene	ND	2.5	5		1,2,4-Trichlorobenzene	ND	10	5	
1,4-Dioxane	ND	50	5		Vinyl Acetate	ND	10	5	
c-1,3-Dichloropropene	ND	2.5	5		Vinyl Chloride	ND	2.5	5	
c-1,2-Dichloroethene	2.8	2.5	5		Isopropanol	ND	25	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,069**	**N/A**	**Air**	**GC/MS K**	**N/A**	**05/17/12 21:54**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,070**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**05/17/12 13:48**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,071**	**N/A**	**Air**	**GC/MS II**	**N/A**	**05/18/12 06:02**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-21S_051612	**12-05-1330-1-A**	**05/16/12 17:58**	**Air**	**GC/MS K**	**N/A**	**05/18/12 01:11**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	95	20		t-1,2-Dichloroethene	ND	40	20	
Benzene	ND	32	20		t-1,3-Dichloropropene	ND	91	20	
Benzyl Chloride	ND	160	20		Ethylbenzene	ND	43	20	
Bromodichloromethane	ND	67	20		4-Ethyltoluene	ND	49	20	
Bromoform	ND	100	20		Hexachloro-1,3-Butadiene	ND	320	20	
Bromomethane	ND	39	20		Hexane	ND	140	20	
2-Butanone	ND	88	20		2-Hexanone	ND	120	20	
Carbon Disulfide	ND	120	20		Methyl-t-Butyl Ether (MTBE)	ND	140	20	
Carbon Tetrachloride	ND	63	20		Methylene Chloride	ND	350	20	
Chlorobenzene	ND	46	20		4-Methyl-2-Pentanone	ND	120	20	
Chloroethane	ND	26	20		o-Xylene	ND	43	20	
Chloroform	250	49	20		p/m-Xylene	ND	170	20	
Chloromethane	ND	21	20		Styrene	ND	130	20	
Dibromochloromethane	ND	85	20		Tetrachloroethene	16000	140	40	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	ND	40	20		Trichloroethene	930	54	20	
1,1-Dichloroethene	2300	40	20		Trichlorofluoromethane	550	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	3300	230	20	
Dichlorotetrafluoroethane	ND	280	20		1,1,1-Trichloroethane	ND	55	20	
1,2-Dichlorobenzene	ND	60	20		1,1,2-Trichloroethane	ND	55	20	
1,2-Dichloroethane	ND	40	20		1,3,5-Trimethylbenzene	ND	49	20	
1,2-Dichloropropane	ND	46	20		1,1,2,2-Tetrachloroethane	ND	140	20	
1,3-Dichlorobenzene	ND	60	20		1,2,4-Trimethylbenzene	ND	150	20	
1,4-Dichlorobenzene	ND	60	20		1,2,4-Trichlorobenzene	ND	300	20	
1,4-Dioxane	ND	720	20		Vinyl Acetate	ND	140	20	
c-1,3-Dichloropropene	ND	45	20		Vinyl Chloride	ND	26	20	
c-1,2-Dichloroethene	ND	40	20		Isopropanol	ND	250	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-22S_051612	**12-05-1330-2-A**	**05/16/12 18:03**	**Air**	**GC/MS K**	**N/A**	**05/18/12 01:57**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	2900	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	100000	850	250	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	110	81	40		Trichloroethene	5800	110	40	
1,1-Dichloroethene	14000	79	40		Trichlorofluoromethane	4700	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	48000	2900	250	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	93	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	107	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-23S_051612	**12-05-1330-3-A**	**05/16/12 18:08**	**Air**	**GC/MS K**	**N/A**	**05/18/12 02:44**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	180	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	5200	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	390	27	10	
1,1-Dichloroethene	710	20	10		Trichlorofluoromethane	110	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	380	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	05/17/12
Work Order No:	12-05-1330
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-24S_051612	**12-05-1330-4-A**	**05/16/12 18:13**	**Air**	**GC/MS K**	**N/A**	**05/18/12 04:18**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	38	8		t-1,2-Dichloroethene	ND	16	8	
Benzene	ND	13	8		t-1,3-Dichloropropene	ND	36	8	
Benzyl Chloride	ND	62	8		Ethylbenzene	ND	17	8	
Bromodichloromethane	ND	27	8		4-Ethyltoluene	ND	20	8	
Bromoform	ND	41	8		Hexachloro-1,3-Butadiene	ND	130	8	
Bromomethane	ND	16	8		Hexane	ND	56	8	
2-Butanone	ND	35	8		2-Hexanone	ND	49	8	
Carbon Disulfide	ND	50	8		Methyl-t-Butyl Ether (MTBE)	ND	58	8	
Carbon Tetrachloride	ND	25	8		Methylene Chloride	ND	140	8	
Chlorobenzene	ND	18	8		4-Methyl-2-Pentanone	ND	49	8	
Chloroethane	ND	11	8		o-Xylene	ND	17	8	
Chloroform	28	20	8		p/m-Xylene	ND	69	8	
Chloromethane	ND	8.3	8		Styrene	ND	51	8	
Dibromochloromethane	ND	34	8		Tetrachloroethene	6100	68	20	
Dichlorodifluoromethane	ND	20	8		Toluene	ND	15	8	
1,1-Dichloroethane	ND	16	8		Trichloroethene	290	21	8	
1,1-Dichloroethene	2500	16	8		Trichlorofluoromethane	940	45	8	
1,2-Dibromoethane	ND	31	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	3800	92	8	
Dichlorotetrafluoroethane	ND	110	8		1,1,1-Trichloroethane	ND	22	8	
1,2-Dichlorobenzene	ND	24	8		1,1,2-Trichloroethane	ND	22	8	
1,2-Dichloroethane	ND	16	8		1,3,5-Trimethylbenzene	ND	20	8	
1,2-Dichloropropane	ND	18	8		1,1,2,2-Tetrachloroethane	ND	55	8	
1,3-Dichlorobenzene	ND	24	8		1,2,4-Trimethylbenzene	ND	59	8	
1,4-Dichlorobenzene	ND	24	8		1,2,4-Trichlorobenzene	ND	120	8	
1,4-Dioxane	ND	290	8		Vinyl Acetate	ND	56	8	
c-1,3-Dichloropropene	ND	18	8		Vinyl Chloride	ND	10	8	
c-1,2-Dichloroethene	ND	16	8		Isopropanol	ND	98	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 5 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-25S_051612	**12-05-1330-5-A**	**05/16/12 18:18**	**Air**	**GC/MS K**	**N/A**	**05/18/12 05:05**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	76	16		t-1,2-Dichloroethene	32	32	16	
Benzene	ND	26	16		t-1,3-Dichloropropene	ND	73	16	
Benzyl Chloride	ND	120	16		Ethylbenzene	ND	35	16	
Bromodichloromethane	ND	54	16		4-Ethyltoluene	ND	39	16	
Bromoform	ND	83	16		Hexachloro-1,3-Butadiene	ND	260	16	
Bromomethane	ND	31	16		Hexane	ND	110	16	
2-Butanone	ND	71	16		2-Hexanone	ND	98	16	
Carbon Disulfide	ND	100	16		Methyl-t-Butyl Ether (MTBE)	ND	120	16	
Carbon Tetrachloride	ND	50	16		Methylene Chloride	ND	280	16	
Chlorobenzene	ND	37	16		4-Methyl-2-Pentanone	ND	98	16	
Chloroethane	ND	21	16		o-Xylene	ND	35	16	
Chloroform	2700	39	16		p/m-Xylene	ND	140	16	
Chloromethane	ND	17	16		Styrene	ND	100	16	
Dibromochloromethane	ND	68	16		Tetrachloroethene	27000	340	100	
Dichlorodifluoromethane	ND	40	16		Toluene	ND	30	16	
1,1-Dichloroethane	76	32	16		Trichloroethene	3000	43	16	
1,1-Dichloroethene	2300	32	16		Trichlorofluoromethane	200	90	16	
1,2-Dibromoethane	ND	61	16		1,1,2-Trichloro-1,2,2-Trifluoroethane	1000	180	16	
Dichlorotetrafluoroethane	ND	220	16		1,1,1-Trichloroethane	ND	44	16	
1,2-Dichlorobenzene	ND	48	16		1,1,2-Trichloroethane	ND	44	16	
1,2-Dichloroethane	55	32	16		1,3,5-Trimethylbenzene	ND	39	16	
1,2-Dichloropropane	ND	37	16		1,1,2,2-Tetrachloroethane	ND	110	16	
1,3-Dichlorobenzene	ND	48	16		1,2,4-Trimethylbenzene	ND	120	16	
1,4-Dichlorobenzene	ND	48	16		1,2,4-Trichlorobenzene	ND	240	16	
1,4-Dioxane	ND	580	16		Vinyl Acetate	ND	110	16	
c-1,3-Dichloropropene	ND	36	16		Vinyl Chloride	ND	20	16	
c-1,2-Dichloroethene	ND	32	16		Isopropanol	ND	200	16	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-26S_051612	**12-05-1330-6-A**	**05/16/12 18:23**	**Air**	**GC/MS K**	**N/A**	**05/18/12 03:30**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	82	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	3900	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	73000	850	250	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	110	81	40		Trichloroethene	7400	110	40	
1,1-Dichloroethene	18000	500	250		Trichlorofluoromethane	8500	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	54000	2900	250	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	270	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	105	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-27S_051612	**12-05-1330-7-A**	**05/16/12 18:28**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 05:54**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	38	8		t-1,2-Dichloroethene	18	16	8	
Benzene	ND	13	8		t-1,3-Dichloropropene	ND	36	8	
Benzyl Chloride	ND	62	8		Ethylbenzene	ND	17	8	
Bromodichloromethane	ND	27	8		4-Ethyltoluene	ND	20	8	
Bromoform	ND	41	8		Hexachloro-1,3-Butadiene	ND	130	8	
Bromomethane	ND	16	8		Hexane	ND	56	8	
2-Butanone	ND	35	8		2-Hexanone	ND	49	8	
Carbon Disulfide	ND	50	8		Methyl-t-Butyl Ether (MTBE)	ND	58	8	
Carbon Tetrachloride	ND	25	8		Methylene Chloride	ND	140	8	
Chlorobenzene	ND	18	8		4-Methyl-2-Pentanone	ND	49	8	
Chloroethane	ND	11	8		o-Xylene	ND	17	8	
Chloroform	1800	20	8		p/m-Xylene	ND	69	8	
Chloromethane	ND	8.3	8		Styrene	ND	51	8	
Dibromochloromethane	ND	34	8		Tetrachloroethene	12000	140	40	
Dichlorodifluoromethane	ND	20	8		Toluene	ND	15	8	
1,1-Dichloroethane	41	16	8		Trichloroethene	1800	21	8	
1,1-Dichloroethene	3000	16	8		Trichlorofluoromethane	1900	45	8	
1,2-Dibromoethane	ND	31	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	6700	460	40	
Dichlorotetrafluoroethane	ND	110	8		1,1,1-Trichloroethane	ND	22	8	
1,2-Dichlorobenzene	ND	24	8		1,1,2-Trichloroethane	ND	22	8	
1,2-Dichloroethane	56	16	8		1,3,5-Trimethylbenzene	ND	20	8	
1,2-Dichloropropane	ND	18	8		1,1,2,2-Tetrachloroethane	ND	55	8	
1,3-Dichlorobenzene	ND	24	8		1,2,4-Trimethylbenzene	ND	59	8	
1,4-Dichlorobenzene	ND	24	8		1,2,4-Trichlorobenzene	ND	120	8	
1,4-Dioxane	ND	290	8		Vinyl Acetate	ND	56	8	
c-1,3-Dichloropropene	ND	18	8		Vinyl Chloride	ND	10	8	
c-1,2-Dichloroethene	ND	16	8		Isopropanol	ND	98	8	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-28S_051612	**12-05-1330-8-A**	**05/16/12 18:33**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 01:55**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	14	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	1.7	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	19	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	440	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	3200	34	10	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	13	2.0	1		Trichloroethene	410	2.7	1	
1,1-Dichloroethene	100	2.0	1		Trichlorofluoromethane	7.4	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	17	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	4.5	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	5.3	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-29S_051612	**12-05-1330-9-A**	**05/16/12 18:38**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 04:13**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	19	4		t-1,2-Dichloroethene	ND	7.9	4	
Benzene	ND	6.4	4		t-1,3-Dichloropropene	ND	18	4	
Benzyl Chloride	ND	31	4		Ethylbenzene	ND	8.7	4	
Bromodichloromethane	ND	13	4		4-Ethyltoluene	ND	9.8	4	
Bromoform	ND	21	4		Hexachloro-1,3-Butadiene	ND	64	4	
Bromomethane	ND	7.8	4		Hexane	ND	28	4	
2-Butanone	ND	18	4		2-Hexanone	ND	25	4	
Carbon Disulfide	ND	25	4		Methyl-t-Butyl Ether (MTBE)	ND	29	4	
Carbon Tetrachloride	ND	13	4		Methylene Chloride	ND	69	4	
Chlorobenzene	ND	9.2	4		4-Methyl-2-Pentanone	ND	25	4	
Chloroethane	ND	5.3	4		o-Xylene	ND	8.7	4	
Chloroform	130	9.8	4		p/m-Xylene	ND	35	4	
Chloromethane	ND	4.1	4		Styrene	ND	26	4	
Dibromochloromethane	ND	17	4		Tetrachloroethene	4300	68	20	
Dichlorodifluoromethane	ND	9.9	4		Toluene	ND	7.5	4	
1,1-Dichloroethane	ND	8.1	4		Trichloroethene	550	11	4	
1,1-Dichloroethene	1400	7.9	4		Trichlorofluoromethane	350	22	4	
1,2-Dibromoethane	ND	15	4		1,1,2-Trichloro-1,2,2-Trifluoroethane	1200	46	4	
Dichlorotetrafluoroethane	ND	56	4		1,1,1-Trichloroethane	ND	11	4	
1,2-Dichlorobenzene	ND	12	4		1,1,2-Trichloroethane	ND	11	4	
1,2-Dichloroethane	ND	8.1	4		1,3,5-Trimethylbenzene	ND	9.8	4	
1,2-Dichloropropane	ND	9.2	4		1,1,2,2-Tetrachloroethane	ND	27	4	
1,3-Dichlorobenzene	ND	12	4		1,2,4-Trimethylbenzene	ND	29	4	
1,4-Dichlorobenzene	ND	12	4		1,2,4-Trichlorobenzene	ND	59	4	
1,4-Dioxane	ND	140	4		Vinyl Acetate	ND	28	4	
c-1,3-Dichloropropene	ND	9.1	4		Vinyl Chloride	ND	5.1	4	
c-1,2-Dichloroethene	ND	7.9	4		Isopropanol	ND	49	4	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 10 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-30S_051612	**12-05-1330-10-A**	**05/16/12 18:43**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 05:08**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	ND	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	ND	11	5	
Bromodichloromethane	ND	17	5		4-Ethyltoluene	ND	12	5	
Bromoform	ND	26	5		Hexachloro-1,3-Butadiene	ND	80	5	
Bromomethane	ND	9.7	5		Hexane	ND	35	5	
2-Butanone	ND	22	5		2-Hexanone	ND	31	5	
Carbon Disulfide	ND	31	5		Methyl-t-Butyl Ether (MTBE)	ND	36	5	
Carbon Tetrachloride	ND	16	5		Methylene Chloride	ND	87	5	
Chlorobenzene	ND	12	5		4-Methyl-2-Pentanone	ND	31	5	
Chloroethane	ND	6.6	5		o-Xylene	ND	11	5	
Chloroform	750	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	7800	68	20	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	26	10	5		Trichloroethene	970	13	5	
1,1-Dichloroethene	1700	9.9	5		Trichlorofluoromethane	250	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	650	57	5	
Dichlorotetrafluoroethane	ND	70	5		1,1,1-Trichloroethane	ND	14	5	
1,2-Dichlorobenzene	ND	15	5		1,1,2-Trichloroethane	ND	14	5	
1,2-Dichloroethane	21	10	5		1,3,5-Trimethylbenzene	ND	12	5	
1,2-Dichloropropane	ND	12	5		1,1,2,2-Tetrachloroethane	ND	34	5	
1,3-Dichlorobenzene	ND	15	5		1,2,4-Trimethylbenzene	ND	37	5	
1,4-Dichlorobenzene	ND	15	5		1,2,4-Trichlorobenzene	ND	74	5	
1,4-Dioxane	ND	180	5		Vinyl Acetate	ND	35	5	
c-1,3-Dichloropropene	ND	11	5		Vinyl Chloride	ND	6.4	5	
c-1,2-Dichloroethene	11	9.9	5		Isopropanol	ND	61	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,069**	**N/A**	**Air**	**GC/MS K**	**N/A**	**05/17/12 21:54**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,070**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**05/17/12 13:48**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1330
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,071**	**N/A**	**Air**	**GC/MS II**	**N/A**	**05/18/12 06:02**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-05-1330**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_VE-21S_051612	-2.00	-29.50	LC366	Summa Canister 1L
OC_SVE2_VE-22S_051612	-2.00	-29.70	LC039	Summa Canister 1L
OC_SVE2_VE-23S_051612	-2.00	-29.80	LC172	Summa Canister 1L
OC_SVE2_VE-24S_051612	-2.00	-29.70	LC414	Summa Canister 1L
OC_SVE2_VE-25S_051612	-2.00	-29.70	LC001	Summa Canister 1L
OC_SVE2_VE-26S_051612	-2.00	-29.70	LC350	Summa Canister 1L
OC_SVE2_VE-27S_051612	-2.00	-29.70	LC351	Summa Canister 1L
OC_SVE2_VE-28S_051612	-2.00	-29.70	LC024	Summa Canister 1L
OC_SVE2_VE-29S_051612	-2.00	-29.70	LC469	Summa Canister 1L
OC_SVE2_VE-30S_051612	-2.00	-29.70	LC338	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,069	**Air**	**GC/MS K**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	105	99	50-150	33-167	6	0-35	
n-Propylbenzene	25.00	104	98	50-150	33-167	6	0-35	
Acetone	25.00	98	93	50-150	33-167	5	0-35	
Benzene	25.00	101	98	60-156	44-172	3	0-40	
Benzyl Chloride	25.00	117	110	50-150	33-167	6	0-35	
Bromodichloromethane	25.00	109	103	50-150	33-167	6	0-35	
Bromoform	25.00	111	106	62-134	50-146	5	0-38	
Bromomethane	25.00	107	101	50-150	33-167	6	0-35	
1,3-Butadiene	25.00	105	102	50-150	33-167	3	0-35	
2-Butanone	25.00	107	99	50-150	33-167	8	0-35	
Carbon Disulfide	25.00	117	109	50-150	33-167	7	0-35	
Carbon Tetrachloride	25.00	110	103	64-154	49-169	6	0-32	
Chlorobenzene	25.00	102	97	50-150	33-167	5	0-35	
Chloroethane	25.00	110	104	50-150	33-167	5	0-35	
Chloroform	25.00	103	98	50-150	33-167	5	0-35	
Chloromethane	25.00	100	99	50-150	33-167	1	0-35	
Cyclohexane	25.00	103	99	50-150	33-167	4	0-35	
Dibromochloromethane	25.00	111	105	50-150	33-167	5	0-35	
Dichlorodifluoromethane	25.00	103	99	50-150	33-167	4	0-35	
Diisopropyl Ether (DIPE)	25.00	95	94	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	104	101	50-150	33-167	3	0-35	
1,1-Dichloroethene	25.00	112	100	50-150	33-167	11	0-35	
1,2-Dibromoethane	25.00	108	103	54-144	39-159	5	0-36	
Dichlorotetrafluoroethane	25.00	103	99	50-150	33-167	4	0-35	
1,2-Dichlorobenzene	25.00	98	91	34-160	13-181	7	0-47	
1,2-Dichloroethane	25.00	106	101	69-153	55-167	5	0-35	
1,2-Dichloropropane	25.00	101	98	67-157	52-172	3	0-35	
1,3-Dichlorobenzene	25.00	98	92	50-150	33-167	6	0-35	
1,4-Dichlorobenzene	25.00	97	91	36-156	16-176	6	0-47	
1,4-Dioxane	25.00	106	102	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	118	113	61-157	45-173	4	0-35	
c-1,2-Dichloroethene	25.00	103	100	50-150	33-167	3	0-35	
t-1,2-Dichloroethene	25.00	108	103	50-150	33-167	4	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,069	**Air**	**GC/MS K**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	125	121	50-150	33-167	4	0-35	
Ethanol	100.0	103	99	50-150	33-167	4	0-35	
Ethyl Acetate	25.00	109	106	50-150	33-167	3	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	89	91	50-150	33-167	2	0-35	
Ethylbenzene	25.00	105	101	52-154	35-171	5	0-38	
4-Ethyltoluene	25.00	103	97	50-150	33-167	6	0-35	
Heptane	25.00	105	101	50-150	33-167	5	0-35	
Hexachloro-1,3-Butadiene	25.00	101	95	50-150	33-167	7	0-35	
Hexane	25.00	102	100	50-150	33-167	2	0-35	
2-Hexanone	25.00	108	104	50-150	33-167	4	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	92	95	50-150	33-167	2	0-35	
Methylene Chloride	25.00	101	97	50-150	33-167	4	0-35	
4-Methyl-2-Pentanone	25.00	106	102	50-150	33-167	3	0-35	
Naphthalene	25.00	104	100	40-190	15-215	4	0-35	
o-Xylene	25.00	104	100	52-148	36-164	5	0-38	
p/m-Xylene	50.00	106	100	42-156	23-175	5	0-41	
Propene	25.00	104	105	50-150	33-167	0	0-35	
Styrene	25.00	107	103	50-150	33-167	4	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	89	92	50-150	33-167	3	0-35	
Tert-Butyl Alcohol (TBA)	50.00	93	94	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	110	98	56-152	40-168	11	0-40	
Tetrahydrofuran	25.00	104	101	50-150	33-167	3	0-35	
Toluene	25.00	102	98	56-146	41-161	4	0-43	
Trichloroethene	25.00	120	99	63-159	47-175	20	0-34	
Trichlorofluoromethane	25.00	107	99	50-150	33-167	8	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	113	104	50-150	33-167	8	0-35	
1,1,1-Trichloroethane	25.00	107	103	50-150	33-167	5	0-35	
1,1,2-Trichloroethane	25.00	104	100	65-149	51-163	4	0-37	
1,2,3-Trichloropropane	25.00	102	96	50-150	33-167	6	0-35	
Acrolein	25.00	108	103	50-150	33-167	5	0-35	
Acrylonitrile	25.00	107	103	50-150	33-167	4	0-35	
Methyl Methacrylate	25.00	109	105	50-150	33-167	4	0-35	
Propane	50.00	107	107	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,069	**Air**	**GC/MS K**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	104	101	50-150	33-167	3	0-35	
Methanol	75.00	102	98	50-150	33-167	4	0-35	
2,2,4-Trimethyl Pentane	25.00	102	98	50-150	33-167	5	0-35	
Isobutane	50.00	103	101	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	102	100	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	102	96	50-150	33-167	6	0-35	
1,1,2,2-Tetrachloroethane	25.00	100	95	50-150	33-167	5	0-35	
1,2,4-Trimethylbenzene	25.00	104	97	50-150	33-167	6	0-35	
1,2,4-Trichlorobenzene	25.00	108	102	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	106	104	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	105	102	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	102	100	50-150	33-167	2	0-35	
Isopropanol	25.00	98	95	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	102	97	50-150	33-167	6	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,071	**Air**	**GC/MS II**	**N/A**	**05/18/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	89	91	50-150	33-167	2	0-35	
n-Propylbenzene	25.00	86	89	50-150	33-167	3	0-35	
Acetone	25.00	81	81	50-150	33-167	0	0-35	
Benzene	25.00	97	98	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	103	95	50-150	33-167	8	0-35	
Bromodichloromethane	25.00	97	98	50-150	33-167	1	0-35	
Bromoform	25.00	93	94	62-134	50-146	1	0-38	
Bromomethane	25.00	98	99	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	92	93	50-150	33-167	0	0-35	
2-Butanone	25.00	112	112	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	113	112	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	99	99	64-154	49-169	1	0-32	
Chlorobenzene	25.00	97	98	50-150	33-167	1	0-35	
Chloroethane	25.00	102	101	50-150	33-167	1	0-35	
Chloroform	25.00	98	98	50-150	33-167	0	0-35	
Chloromethane	25.00	102	101	50-150	33-167	2	0-35	
Cyclohexane	25.00	101	101	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	97	99	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	88	92	50-150	33-167	4	0-35	
Diisopropyl Ether (DIPE)	25.00	88	89	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	105	104	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	100	99	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	98	99	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	81	81	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	94	91	34-160	13-181	3	0-47	
1,2-Dichloroethane	25.00	100	101	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	99	100	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	94	89	50-150	33-167	6	0-35	
1,4-Dichlorobenzene	25.00	96	93	36-156	16-176	3	0-47	
1,4-Dioxane	25.00	92	96	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	101	103	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	103	102	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	101	100	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,071	**Air**	**GC/MS II**	**N/A**	**05/18/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	111	111	50-150	33-167	0	0-35	
Ethanol	100.0	70	72	50-150	33-167	3	0-35	
Ethyl Acetate	25.00	109	109	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	102	102	50-150	33-167	0	0-35	
Ethylbenzene	25.00	94	95	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	91	94	50-150	33-167	3	0-35	
Heptane	25.00	99	100	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	87	89	50-150	33-167	2	0-35	
Hexane	25.00	106	107	50-150	33-167	1	0-35	
2-Hexanone	25.00	100	101	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	106	104	50-150	33-167	1	0-35	
Methylene Chloride	25.00	107	105	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	102	103	50-150	33-167	1	0-35	
Naphthalene	25.00	78	79	40-190	15-215	1	0-35	
o-Xylene	25.00	92	93	52-148	36-164	1	0-38	
p/m-Xylene	50.00	90	91	42-156	23-175	1	0-41	
Propene	25.00	128	129	50-150	33-167	1	0-35	
Styrene	25.00	98	100	50-150	33-167	2	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	98	98	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	94	96	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	96	97	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	111	112	50-150	33-167	1	0-35	
Toluene	25.00	98	99	56-146	41-161	1	0-43	
Trichloroethene	25.00	95	96	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	139	83	50-150	33-167	50	0-35	X
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	101	99	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	90	97	50-150	33-167	8	0-35	
1,1,2-Trichloroethane	25.00	98	100	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	89	90	50-150	33-167	1	0-35	
Acrolein	25.00	93	93	50-150	33-167	0	0-35	
Acrylonitrile	25.00	126	125	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	104	105	50-150	33-167	1	0-35	
Propane	50.00	130	132	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,071	**Air**	**GC/MS II**	**N/A**	**05/18/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	93	93	50-150	33-167	0	0-35	
Methanol	75.00	35	37	50-150	33-167	5	0-35	ME
2,2,4-Trimethyl Pentane	25.00	96	97	50-150	33-167	1	0-35	
Isobutane	50.00	91	90	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	91	92	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	92	96	50-150	33-167	4	0-35	
1,1,2,2-Tetrachloroethane	25.00	90	91	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	101	96	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	86	87	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	104	102	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	93	91	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	95	98	50-150	33-167	2	0-35	
Isopropanol	25.00	132	70	50-150	33-167	61	0-35	X
2-Chlorotoluene	25.00	93	95	50-150	33-167	2	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 1
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,070	**Air**	**GC/MS YY**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	90	89	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	87	86	50-150	33-167	1	0-35	
Acetone	25.00	91	91	50-150	33-167	0	0-35	
Benzene	25.00	91	91	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	75	76	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	102	100	50-150	33-167	2	0-35	
Bromoform	25.00	100	98	62-134	50-146	2	0-38	
Bromomethane	25.00	97	96	50-150	33-167	2	0-35	
1,3-Butadiene	25.00	97	96	50-150	33-167	1	0-35	
2-Butanone	25.00	98	97	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	92	91	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	106	103	64-154	49-169	2	0-32	
Chlorobenzene	25.00	94	93	50-150	33-167	0	0-35	
Chloroethane	25.00	96	95	50-150	33-167	1	0-35	
Chloroform	25.00	97	97	50-150	33-167	1	0-35	
Chloromethane	25.00	98	97	50-150	33-167	1	0-35	
Cyclohexane	25.00	95	95	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	104	102	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	101	99	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	97	95	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	94	94	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	99	97	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	98	98	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	97	95	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	76	76	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	100	98	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	92	93	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	82	81	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	80	80	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	93	86	50-150	33-167	8	0-35	
c-1,3-Dichloropropene	25.00	95	94	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	91	91	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	91	90	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,070	**Air**	**GC/MS YY**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	97	95	50-150	33-167	2	0-35	
Ethanol	100.0	98	92	50-150	33-167	7	0-35	
Ethyl Acetate	25.00	95	94	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	90	90	50-150	33-167	1	0-35	
Ethylbenzene	25.00	96	95	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	86	85	50-150	33-167	2	0-35	
Heptane	25.00	93	92	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	107	105	50-150	33-167	2	0-35	
Hexane	25.00	96	95	50-150	33-167	1	0-35	
2-Hexanone	25.00	97	96	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	89	91	50-150	33-167	2	0-35	
Methylene Chloride	25.00	87	87	50-150	33-167	0	0-35	
4-Methyl-2-Pentanone	25.00	96	94	50-150	33-167	1	0-35	
Naphthalene	25.00	104	101	40-190	15-215	3	0-35	
o-Xylene	25.00	95	94	52-148	36-164	1	0-38	
p/m-Xylene	50.00	97	96	42-156	23-175	1	0-41	
Propene	25.00	100	98	50-150	33-167	2	0-35	
Styrene	25.00	92	92	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	90	88	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	93	93	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	95	95	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	98	97	50-150	33-167	1	0-35	
Toluene	25.00	94	93	56-146	41-161	0	0-43	
Trichloroethene	25.00	97	95	63-159	47-175	2	0-34	
Trichlorofluoromethane	25.00	102	100	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	96	95	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	100	97	50-150	33-167	3	0-35	
1,1,2-Trichloroethane	25.00	95	93	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	88	87	50-150	33-167	1	0-35	
Acrolein	25.00	108	110	50-150	33-167	1	0-35	
Acrylonitrile	25.00	94	94	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	93	92	50-150	33-167	1	0-35	
Propane	50.00	104	101	50-150	33-167	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1330
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,070	**Air**	**GC/MS YY**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	100	98	50-150	33-167	2	0-35	
Methanol	75.00	100	86	50-150	33-167	15	0-35	
2,2,4-Trimethyl Pentane	25.00	98	96	50-150	33-167	1	0-35	
Isobutane	50.00	101	99	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	93	92	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	86	84	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	87	87	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	85	84	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	105	103	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	96	96	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	96	95	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	98	96	50-150	33-167	1	0-35	
Isopropanol	25.00	98	94	50-150	33-167	4	0-35	
2-Chlorotoluene	25.00	90	88	50-150	33-167	2	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-05-1330**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_VE-21S_051612	-2.00	-29.50	LC366	Summa Canister 1L
OC_SVE2_VE-22S_051612	-2.00	-29.70	LC039	Summa Canister 1L
OC_SVE2_VE-23S_051612	-2.00	-29.80	LC172	Summa Canister 1L
OC_SVE2_VE-24S_051612	-2.00	-29.70	LC414	Summa Canister 1L
OC_SVE2_VE-25S_051612	-2.00	-29.70	LC001	Summa Canister 1L
OC_SVE2_VE-26S_051612	-2.00	-29.70	LC350	Summa Canister 1L
OC_SVE2_VE-27S_051612	-2.00	-29.70	LC351	Summa Canister 1L
OC_SVE2_VE-28S_051612	-2.00	-29.70	LC024	Summa Canister 1L
OC_SVE2_VE-29S_051612	-2.00	-29.70	LC469	Summa Canister 1L
OC_SVE2_VE-30S_051612	-2.00	-29.70	LC338	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-05-1330

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 05/16/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis	CLIENT PROJECT NAME / NUMBER: Omega
ADDRESS: 1322 Scott St., Suite 104	PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: San Diego STATE: CA ZIP: 92106	CITY: Whittier STATE: CA ZIP: 90602
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com	PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com
TURNAROUND TIME: ☐ SAME DAY ■ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS	SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-05-1330

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:
* Requesting 24HR TAT please, thank you!

REQUESTED ANALYSES

	LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)
	~~1~~	~~OC_SVE2_VE-20S_051612~~	~~SP-VE-20S~~	~~SV~~		~~1L~~	~~NA~~	~~5/16/2012~~			~~5/16/2012~~			~~x~~
1	2	OC_SVE2_VE-21S_051612	SP-VE-21S	SV	1640	1L	NA	5/16/2012	1755	-30	5/16/2012	1758	-2	x
2	3	OC_SVE2_VE-22S_051612	SP-VE-22S	SV	LC039	1L	NA	5/16/2012	1800	-30	5/16/2012	1803	-2	x
3	4	OC_SVE2_VE-23S_051612	SP-VE-23S	SV	1142	1L	NA	5/16/2012	1805	-30	5/16/2012	1808	-2	x
4	5	OC_SVE2_VE-24S_051612	SP-VE-24S	SV	1406	1L	NA	5/16/2012	1810	-30	5/16/2012	1813	-2	x
5	6	OC_SVE2_VE-25S_051612	SP-VE-25S	SV	LC001	1L	NA	5/16/2012	1815	-30	5/16/2012	1818	-2	x
6	7	OC_SVE2_VE-26S_051612	SP-VE-26S	SV	1612	1L	NA	5/16/2012	1820	-30	5/16/2012	1823	-2	x
7	8	OC_SVE2_VE-27S_051612	SP-VE-27S	SV	LC351	1L	NA	5/16/2012	1825	-28	5/16/2012	1828	-2	x
8	9	OC_SVE2_VE-28S_051612	SP-VE-28S	SV	LC024	1L	NA	5/16/2012	1830	-30	5/16/2012	1833	-2	x
9	10	OC_SVE2_VE-29S_051612	SP-VE-29S	SV	1686	1L	NA	5/16/2012	1835	-30	5/16/2012	1838	-2	x
10	11	OC_SVE2_VE-30S_051612	SP-VE-30S	SV	1549	1L	NA	5/16/2012	1840	-30	5/16/2012	1843	-2	x
	12													
	13													
	14													
	15													

Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 5/17/12	Time: 1354
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 5/17/12	Time: 1810
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-05-1330

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 05/17/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °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:** PCE

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** PCE

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** M

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:** M

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** C

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:** C

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-05-1331

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE1

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 05/24/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

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Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1331
		Project name:	Omega - SVE1
		Received:	05/17/12 18:00
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_051612 (12-05-1331-1)						
Chloroform	**330**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**14**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1200**		10	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**16**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**5000**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**460**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**300**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1300**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_MID_GAC_051612 (12-05-1331-2)						
1,1-Dichloroethene	**3200**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**420**		10	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_EFF_GAC_051612 (12-05-1331-3)						
Benzene	**0.80**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**2.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**14**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**20**		1.0	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-05-1331
		Project name:	Omega - SVE1
		Received:	05/17/12 18:00
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_051612 (12-05-1331-1)						
Chloroform	**1600**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**56**		40	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**4600**		40	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**66**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**34000**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**2400**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**1700**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**9600**		230	ug/m3	EPA TO-15	N/A
OC_SVE2_MID_GAC_051612 (12-05-1331-2)						
1,1-Dichloroethene	**13000**		79	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**2300**		56	ug/m3	EPA TO-15	N/A
OC_SVE2_EFF_GAC_051612 (12-05-1331-3)						
Benzene	**2.5**		1.6	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**12**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**56**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**10**		3.4	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**110**		5.6	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1331
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_INF_GAC_051612	**12-05-1331-1-A**	**05/16/12 17:48**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 03:27**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	20		Methylene Chloride	ND	100	20	
2-Butanone	ND	30	20		o-Xylene	ND	10	20	
Carbon Disulfide	ND	40	20		Tetrachloroethene	5000	50	100	
Carbon Tetrachloride	ND	10	20		Toluene	ND	10	20	
Chloroform	330	10	20		Trichloroethene	460	10	20	
Dichlorodifluoromethane	ND	10	20		Trichlorofluoromethane	300	20	20	
1,1-Dichloroethane	14	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	1300	30	20	
1,1-Dichloroethene	1200	10	20		1,1,1-Trichloroethane	ND	10	20	
1,2-Dichloroethane	16	10	20		1,1,2-Trichloroethane	ND	10	20	
1,4-Dioxane	ND	200	20		Vinyl Chloride	ND	10	20	
Hexane	ND	40	20		Isopropanol	ND	100	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	96	78-156					

OC_SVE2_MID_GAC_051612	**12-05-1331-2-A**	**05/16/12 17:43**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 02:41**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	10		Methylene Chloride	ND	50	10	
2-Butanone	ND	15	10		o-Xylene	ND	5.0	10	
Carbon Disulfide	ND	20	10		Tetrachloroethene	ND	5.0	10	
Carbon Tetrachloride	ND	5.0	10		Toluene	ND	5.0	10	
Chloroform	ND	5.0	10		Trichloroethene	ND	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Trichlorofluoromethane	420	10	10	
1,1-Dichloroethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	15	10	
1,1-Dichloroethene	3200	20	40		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,4-Dioxane	ND	100	10		Vinyl Chloride	ND	5.0	10	
Hexane	ND	20	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1331
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_EFF_GAC_051612	**12-05-1331-3-A**	**05/16/12 17:38**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 01:00**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.80	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	1.5	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	2.4	0.50	1		Trichlorofluoromethane	20	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	14	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

Method Blank	**095-01-021-10,070**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**05/17/12 13:48**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1331
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_INF_GAC_051612	**12-05-1331-1-A**	**05/16/12 17:48**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 03:27**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	32	20		Methylene Chloride	ND	350	20	
2-Butanone	ND	88	20		o-Xylene	ND	43	20	
Carbon Disulfide	ND	120	20		Tetrachloroethene	34000	340	100	
Carbon Tetrachloride	ND	63	20		Toluene	ND	38	20	
Chloroform	1600	49	20		Trichloroethene	2400	54	20	
Dichlorodifluoromethane	ND	49	20		Trichlorofluoromethane	1700	110	20	
1,1-Dichloroethane	56	40	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	9600	230	20	
1,1-Dichloroethene	4600	40	20		1,1,1-Trichloroethane	ND	55	20	
1,2-Dichloroethane	66	40	20		1,1,2-Trichloroethane	ND	55	20	
1,4-Dioxane	ND	720	20		Vinyl Chloride	ND	26	20	
Hexane	ND	140	20		Isopropanol	ND	250	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	96	78-156					

OC_SVE2_MID_GAC_051612	**12-05-1331-2-A**	**05/16/12 17:43**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 02:41**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	10		Methylene Chloride	ND	170	10	
2-Butanone	ND	44	10		o-Xylene	ND	22	10	
Carbon Disulfide	ND	62	10		Tetrachloroethene	ND	34	10	
Carbon Tetrachloride	ND	31	10		Toluene	ND	19	10	
Chloroform	ND	24	10		Trichloroethene	ND	27	10	
Dichlorodifluoromethane	ND	25	10		Trichlorofluoromethane	2300	56	10	
1,1-Dichloroethane	ND	20	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	10	
1,1-Dichloroethene	13000	79	40		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,1,2-Trichloroethane	ND	27	10	
1,4-Dioxane	ND	360	10		Vinyl Chloride	ND	13	10	
Hexane	ND	70	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	05/17/12
1322 Scott Street, Suite 104		Work Order No:	12-05-1331
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_EFF_GAC_051612	**12-05-1331-3-A**	**05/16/12 17:38**	**Air**	**GC/MS YY**	**N/A**	**05/18/12 01:00**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.5	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	10	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	12	2.5	1		Trichlorofluoromethane	110	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	56	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

Method Blank	**095-01-021-10,070**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**05/17/12 13:48**	**120517L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1331
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,070	**Air**	**GC/MS YY**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	90	89	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	87	86	50-150	33-167	1	0-35	
Acetone	25.00	91	91	50-150	33-167	0	0-35	
Benzene	25.00	91	91	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	75	76	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	102	100	50-150	33-167	2	0-35	
Bromoform	25.00	100	98	62-134	50-146	2	0-38	
Bromomethane	25.00	97	96	50-150	33-167	2	0-35	
1,3-Butadiene	25.00	97	96	50-150	33-167	1	0-35	
2-Butanone	25.00	98	97	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	92	91	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	106	103	64-154	49-169	2	0-32	
Chlorobenzene	25.00	94	93	50-150	33-167	0	0-35	
Chloroethane	25.00	96	95	50-150	33-167	1	0-35	
Chloroform	25.00	97	97	50-150	33-167	1	0-35	
Chloromethane	25.00	98	97	50-150	33-167	1	0-35	
Cyclohexane	25.00	95	95	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	104	102	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	101	99	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	97	95	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	94	94	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	99	97	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	98	98	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	97	95	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	76	76	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	100	98	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	92	93	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	82	81	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	80	80	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	93	86	50-150	33-167	8	0-35	
c-1,3-Dichloropropene	25.00	95	94	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	91	91	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	91	90	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1331
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,070	**Air**	**GC/MS YY**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	97	95	50-150	33-167	2	0-35	
Ethanol	100.0	98	92	50-150	33-167	7	0-35	
Ethyl Acetate	25.00	95	94	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	90	90	50-150	33-167	1	0-35	
Ethylbenzene	25.00	96	95	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	86	85	50-150	33-167	2	0-35	
Heptane	25.00	93	92	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	107	105	50-150	33-167	2	0-35	
Hexane	25.00	96	95	50-150	33-167	1	0-35	
2-Hexanone	25.00	97	96	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	89	91	50-150	33-167	2	0-35	
Methylene Chloride	25.00	87	87	50-150	33-167	0	0-35	
4-Methyl-2-Pentanone	25.00	96	94	50-150	33-167	1	0-35	
Naphthalene	25.00	104	101	40-190	15-215	3	0-35	
o-Xylene	25.00	95	94	52-148	36-164	1	0-38	
p/m-Xylene	50.00	97	96	42-156	23-175	1	0-41	
Propene	25.00	100	98	50-150	33-167	2	0-35	
Styrene	25.00	92	92	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	90	88	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	93	93	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	95	95	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	98	97	50-150	33-167	1	0-35	
Toluene	25.00	94	93	56-146	41-161	0	0-43	
Trichloroethene	25.00	97	95	63-159	47-175	2	0-34	
Trichlorofluoromethane	25.00	102	100	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	96	95	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	100	97	50-150	33-167	3	0-35	
1,1,2-Trichloroethane	25.00	95	93	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	88	87	50-150	33-167	1	0-35	
Acrolein	25.00	108	110	50-150	33-167	1	0-35	
Acrylonitrile	25.00	94	94	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	93	92	50-150	33-167	1	0-35	
Propane	50.00	104	101	50-150	33-167	3	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-05-1331
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,070	**Air**	**GC/MS YY**	**N/A**	**05/17/12**	**120517L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	100	98	50-150	33-167	2	0-35	
Methanol	75.00	100	86	50-150	33-167	15	0-35	
2,2,4-Trimethyl Pentane	25.00	98	96	50-150	33-167	1	0-35	
Isobutane	50.00	101	99	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	93	92	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	86	84	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	87	87	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	85	84	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	105	103	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	96	96	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	96	95	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	98	96	50-150	33-167	1	0-35	
Isopropanol	25.00	98	94	50-150	33-167	4	0-35	
2-Chlorotoluene	25.00	90	88	50-150	33-167	2	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-05-1331**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_INF_GAC_051612	-2.00	-29.70	SLC063	Summa Canister 1L
OC_SVE2_MID_GAC_051612	-2.00	-29.60	LC183	Summa Canister 1L
OC_SVE2_EFF_GAC_051612	-2.00	-29.70	LC164	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-05-1331

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 05/16/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 12-05-1331

TURNAROUND TIME: ☐ SAME DAY ■ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS CH
SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ■ EDD
SPECIAL INSTRUCTIONS: * Requesting 24 Hr TAT please, thank you!

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.3)				
1	OC_SVE2_INF_GAC_051612	SP-INF-GAC	SV	1305	1L	NA	5/16/2012	1745	-30	5/16/2012	1748	-2	x				
2	OC_SVE2_MID_GAC_051612	SP-MID-GAC	SV	1207	1L	NA	5/16/2012	1740	-30	5/16/2012	1743	-2	x				
3	OC_SVE2_EFF_GAC_051612	SP-EFF-GAC	SV	1131	1L	NA	5/16/2012	1735	-30	5/16/2012	1738	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	5/17/12	1354
	CEL	5/17/12	1810

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-05-1331

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 05/17/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °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: DEE

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Initial: DEE

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: [illegible]

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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-0455

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE1

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 06/12/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0455
		Project name:	Omega - SVE1
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_060512 (12-06-0455-1)						
Benzene	**2.8**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.3**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloroform	**280**		14	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.7**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**13**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**870**		14	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**18**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3600**		55	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**330**		14	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**210**		28	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**980**		41	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_MID_GAC_060512 (12-06-0455-2)						
Dichlorodifluoromethane	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**340**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**81**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1.7**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_EFF_GAC_060512 (12-06-0455-3)						
Dichlorodifluoromethane	**2.0**		0.50	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0455
		Project name:	Omega - SVE1
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_060512 (12-06-0455-1)						
Benzene	**9.0**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**6.9**		4.4	ug/m3	EPA TO-15	N/A
Chloroform	**1400**		67	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**8.5**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**51**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3500**		55	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**74**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**25000**		370	ug/m3	EPA TO-15	N/A
Trichloroethene	**1800**		74	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**1200**		150	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**7500**		320	ug/m3	EPA TO-15	N/A
OC_SVE2_MID_GAC_060512 (12-06-0455-2)						
Dichlorodifluoromethane	**6.4**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1400**		20	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**450**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**13**		11	ug/m3	EPA TO-15	N/A
OC_SVE2_EFF_GAC_060512 (12-06-0455-3)						
Dichlorodifluoromethane	**10**		2.5	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0455
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_INF_GAC_060512	**12-06-0455-1-A**	**06/05/12 16:28**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 04:34**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.8	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	2.3	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	3600	55	110	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	280	14	27.5		Trichloroethene	330	14	27.5	
Dichlorodifluoromethane	1.7	0.50	1		Trichlorofluoromethane	210	28	27.5	
1,1-Dichloroethane	13	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	980	41	27.5	
1,1-Dichloroethene	870	14	27.5		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	18	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	99	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_MID_GAC_060512	**12-06-0455-2-A**	**06/05/12 16:33**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 05:25**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	1.3	0.50	1		Trichlorofluoromethane	81	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	1.7	1.5	1	
1,1-Dichloroethene	340	5.0	10.1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0455
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_EFF_GAC_060512	**12-06-0455-3-A**	**06/05/12 16:38**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 06:17**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	2.0	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	99	78-156					

Method Blank	**095-01-021-10,142**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/08/12 11:59**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0455
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE1			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,143**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 14:00**	**120609L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	ND	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	ND	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,1-Dichloroethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
1,1-Dichloroethene	ND	0.50	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,4-Dioxane	ND	10	1		Vinyl Chloride	ND	0.50	1	
Hexane	ND	2.0	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0455
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_INF_GAC_060512	**12-06-0455-1-A**	**06/05/12 16:28**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 04:34**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	9.0	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	6.9	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	25000	370	110	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	1400	67	27.5		Trichloroethene	1800	74	27.5	
Dichlorodifluoromethane	8.5	2.5	1		Trichlorofluoromethane	1200	150	27.5	
1,1-Dichloroethane	51	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	7500	320	27.5	
1,1-Dichloroethene	3500	55	27.5		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	74	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	99	78-156					

OC_SVE2_MID_GAC_060512	**12-06-0455-2-A**	**06/05/12 16:33**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 05:25**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	6.4	2.5	1		Trichlorofluoromethane	450	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	13	11	1	
1,1-Dichloroethene	1400	20	10.1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0455
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_EFF_GAC_060512	**12-06-0455-3-A**	**06/05/12 16:38**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 06:17**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	10	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	99	78-156					

Method Blank	**095-01-021-10,142**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/08/12 11:59**	**120608L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0455
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE1			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,143**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/09/12 14:00**	**120609L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	ND	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	ND	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	ND	2.5	1		Trichlorofluoromethane	ND	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	ND	2.0	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,4-Dioxane	ND	36	1		Vinyl Chloride	ND	1.3	1	
Hexane	ND	7.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	57-129		1,2-Dichloroethane-d4	103	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0455
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,142	**Air**	**GC/MS YY**	**N/A**	**06/08/12**	**120608L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	23.27	93	23.27	93	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	22.07	88	22.15	89	50-150	33-167	0	0-35	
Acetone	25.00	24.13	97	24.15	97	50-150	33-167	0	0-35	
Benzene	25.00	24.97	100	25.00	100	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	28.51	114	28.60	114	50-150	33-167	0	0-35	
Bromodichloromethane	25.00	26.46	106	26.29	105	50-150	33-167	1	0-35	
Bromoform	25.00	25.78	103	25.61	102	62-134	50-146	1	0-38	
Bromomethane	25.00	27.41	110	27.23	109	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	26.94	108	27.35	109	50-150	33-167	2	0-35	
2-Butanone	25.00	25.68	103	25.88	104	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	25.27	101	25.41	102	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	27.68	111	27.30	109	64-154	49-169	1	0-32	
Chlorobenzene	25.00	24.98	100	25.02	100	50-150	33-167	0	0-35	
Chloroethane	25.00	26.93	108	26.94	108	50-150	33-167	0	0-35	
Chloroform	25.00	26.26	105	26.14	105	50-150	33-167	0	0-35	
Chloromethane	25.00	25.77	103	26.76	107	50-150	33-167	4	0-35	
Cyclohexane	25.00	25.49	102	25.60	102	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	26.87	107	26.73	107	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	27.35	109	27.10	108	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	24.21	97	23.37	93	50-150	33-167	4	0-35	
1,1-Dichloroethane	25.00	25.93	104	26.09	104	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	25.89	104	25.82	103	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	25.95	104	25.99	104	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	26.96	108	27.14	109	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	23.05	92	23.01	92	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	26.63	107	26.48	106	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	25.03	100	25.42	102	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	22.46	90	22.66	91	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	22.31	89	22.63	91	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	27.55	110	25.07	100	50-150	33-167	9	0-35	
c-1,3-Dichloropropene	25.00	25.96	104	26.02	104	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	25.27	101	25.45	102	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0455
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,142	**Air**	**GC/MS YY**	**N/A**	**06/08/12**	**120608L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	25.39	102	25.24	101	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	26.63	107	26.62	106	50-150	33-167	0	0-35	
Ethanol	100.0	110.6	111	104.1	104	50-150	33-167	6	0-35	
Ethyl Acetate	25.00	26.46	106	25.83	103	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	26.28	105	26.42	106	50-150	33-167	1	0-35	
Ethylbenzene	25.00	25.26	101	25.08	100	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	22.96	92	23.05	92	50-150	33-167	0	0-35	
Heptane	25.00	25.91	104	25.99	104	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	29.22	117	28.65	115	50-150	33-167	2	0-35	
Hexane	25.00	25.61	102	25.54	102	50-150	33-167	0	0-35	
2-Hexanone	25.00	25.73	103	25.87	103	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	26.91	108	27.40	110	50-150	33-167	2	0-35	
Methylene Chloride	25.00	24.43	98	24.71	99	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	25.38	102	25.42	102	50-150	33-167	0	0-35	
Naphthalene	25.00	25.47	102	24.99	100	40-190	15-215	2	0-35	
o-Xylene	25.00	24.77	99	24.68	99	52-148	36-164	0	0-38	
p/m-Xylene	50.00	50.22	100	50.14	100	42-156	23-175	0	0-41	
Propene	25.00	26.37	105	26.61	106	50-150	33-167	1	0-35	
Styrene	25.00	25.26	101	25.28	101	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	26.76	107	26.12	104	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	53.68	107	53.26	107	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	26.14	105	25.93	104	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	25.84	103	26.12	104	50-150	33-167	1	0-35	
Toluene	25.00	25.25	101	25.28	101	56-146	41-161	0	0-43	
Trichloroethene	25.00	25.56	102	25.47	102	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	27.08	108	26.78	107	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	26.37	105	26.34	105	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	25.00	26.80	107	26.16	105	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	25.30	101	25.27	101	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	22.98	92	23.07	92	50-150	33-167	0	0-35	
Acrolein	25.00	26.91	108	27.10	108	50-150	33-167	1	0-35	
Acrylonitrile	25.00	25.85	103	26.03	104	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0455
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,142	**Air**	**GC/MS YY**	**N/A**	**06/08/12**	**120608L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	25.54	102	25.62	102	50-150	33-167	0	0-35	
Propane	50.00	53.95	108	54.00	108	50-150	33-167	0	0-35	
Butane	50.00	53.23	106	53.83	108	50-150	33-167	1	0-35	
Methanol	75.00	73.43	98	71.91	96	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	25.60	102	25.69	103	50-150	33-167	0	0-35	
Isobutane	50.00	52.77	106	54.15	108	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.40	102	25.69	103	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	23.25	93	23.35	93	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.32	93	23.54	94	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	24.38	98	24.40	98	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	29.45	118	28.97	116	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	26.02	104	26.59	106	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	26.64	107	26.96	108	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	25.66	103	26.07	104	50-150	33-167	2	0-35	
Isopropanol	25.00	26.74	107	25.93	104	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	22.96	92	22.90	92	50-150	33-167	0	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0455
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,143	**Air**	**GC/MS YY**	**N/A**	**06/09/12**	**120609L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	22.99	92	23.29	93	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	22.16	89	22.58	90	50-150	33-167	2	0-35	
Acetone	25.00	24.81	99	25.36	101	50-150	33-167	2	0-35	
Benzene	25.00	25.59	102	25.64	103	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	25.09	100	27.10	108	50-150	33-167	8	0-35	
Bromodichloromethane	25.00	25.89	104	25.87	103	50-150	33-167	0	0-35	
Bromoform	25.00	24.55	98	24.83	99	62-134	50-146	1	0-38	
Bromomethane	25.00	25.80	103	26.10	104	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	27.89	112	28.32	113	50-150	33-167	2	0-35	
2-Butanone	25.00	28.00	112	28.19	113	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	25.60	102	25.93	104	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	25.98	104	25.77	103	64-154	49-169	1	0-32	
Chlorobenzene	25.00	24.75	99	24.89	100	50-150	33-167	1	0-35	
Chloroethane	25.00	26.65	107	26.93	108	50-150	33-167	1	0-35	
Chloroform	25.00	25.73	103	25.82	103	50-150	33-167	0	0-35	
Chloromethane	25.00	27.43	110	27.97	112	50-150	33-167	2	0-35	
Cyclohexane	25.00	27.35	109	27.34	109	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	25.85	103	25.99	104	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	25.55	102	25.59	102	50-150	33-167	0	0-35	
Diisopropyl Ether (DIPE)	25.00	26.13	105	25.78	103	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	26.41	106	26.94	108	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	25.99	104	26.30	105	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	25.19	101	25.47	102	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	25.64	103	25.85	103	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	21.21	85	22.39	90	34-160	13-181	5	0-47	
1,2-Dichloroethane	25.00	25.94	104	26.05	104	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	26.39	106	26.82	107	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	21.33	85	22.13	89	50-150	33-167	4	0-35	
1,4-Dichlorobenzene	25.00	21.12	84	22.14	89	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	28.53	114	29.45	118	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	26.12	104	26.13	105	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	25.43	102	25.82	103	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0455
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,143	**Air**	**GC/MS YY**	**N/A**	**06/09/12**	**120609L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	25.32	101	25.16	101	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	26.33	105	26.25	105	50-150	33-167	0	0-35	
Ethanol	100.0	117.2	117	121.0	121	50-150	33-167	3	0-35	
Ethyl Acetate	25.00	27.73	111	27.43	110	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	26.58	106	26.88	108	50-150	33-167	1	0-35	
Ethylbenzene	25.00	24.94	100	25.20	101	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	22.66	91	23.21	93	50-150	33-167	2	0-35	
Heptane	25.00	26.07	104	26.08	104	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	25.78	103	25.96	104	50-150	33-167	1	0-35	
Hexane	25.00	27.49	110	27.61	110	50-150	33-167	0	0-35	
2-Hexanone	25.00	27.03	108	27.03	108	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	26.37	105	27.01	108	50-150	33-167	2	0-35	
Methylene Chloride	25.00	24.90	100	25.20	101	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	26.83	107	26.74	107	50-150	33-167	0	0-35	
Naphthalene	25.00	25.08	100	24.94	100	40-190	15-215	1	0-35	
o-Xylene	25.00	24.43	98	24.62	98	52-148	36-164	1	0-38	
p/m-Xylene	50.00	49.55	99	49.92	100	42-156	23-175	1	0-41	
Propene	25.00	28.57	114	28.10	112	50-150	33-167	2	0-35	
Styrene	25.00	25.27	101	25.61	102	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	25.96	104	25.33	101	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	53.81	108	54.51	109	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	24.67	99	24.75	99	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	28.78	115	29.08	116	50-150	33-167	1	0-35	
Toluene	25.00	25.44	102	25.62	102	56-146	41-161	1	0-43	
Trichloroethene	25.00	25.30	101	25.19	101	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	24.91	100	25.11	100	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	25.60	102	25.89	104	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	25.43	102	24.95	100	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	25.56	102	25.54	102	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	22.95	92	23.42	94	50-150	33-167	2	0-35	
Acrolein	25.00	24.58	98	28.19	113	50-150	33-167	14	0-35	
Acrylonitrile	25.00	27.78	111	28.07	112	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0455
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,143	**Air**	**GC/MS YY**	**N/A**	**06/09/12**	**120609L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	26.37	105	26.33	105	50-150	33-167	0	0-35	
Propane	50.00	57.25	114	54.43	109	50-150	33-167	5	0-35	
Butane	50.00	55.12	110	55.83	112	50-150	33-167	1	0-35	
Methanol	75.00	79.41	106	65.13	87	50-150	33-167	20	0-35	
2,2,4-Trimethyl Pentane	25.00	27.28	109	27.19	109	50-150	33-167	0	0-35	
Isobutane	50.00	54.69	109	55.46	111	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.84	103	26.13	105	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	22.57	90	23.23	93	50-150	33-167	3	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.47	94	24.02	96	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	23.33	93	24.24	97	50-150	33-167	4	0-35	
1,2,4-Trichlorobenzene	25.00	27.42	110	27.74	111	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	28.21	113	28.82	115	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	26.58	106	26.79	107	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	27.19	109	27.61	110	50-150	33-167	2	0-35	
Isopropanol	25.00	28.54	114	29.15	117	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	22.80	91	23.29	93	50-150	33-167	2	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-0455**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_INF_GAC_060512	-2.00	-29.70	LC144	Summa Canister 1L
OC_SVE2_MID_GAC_060512	-2.00	-29.70	LC460	Summa Canister 1L
OC_SVE2_EFF_GAC_060512	-2.00	-29.70	LC087	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-0455

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 06/05/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY ☐ 12-06-0455

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr.

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.3)				
1	OC_SVE2_INF_GAC_060512	SP-INF-GAC	SV	1081	1L	NA	6/5/2012	1625	-30	6/5/2012	1628	-2	x				
2	OC_SVE2_MID_GAC_060512	SP-MID-GAC	SV	1680	1L	NA	6/5/2012	1630	-30	6/5/2012	1633	-2	x				
3	OC_SVE2_EFF_GAC_060512	SP-EFF-GAC	SV	1092	1L	NA	6/5/2012	1635	-30	6/5/2012	1638	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/7/12	1410
		06/07/12	1720

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-0455

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 06/7/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °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: RM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Initial: RM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: NC

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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-0456

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 06/21/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0456
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-20S_060512 (12-06-0456-1)						
1,1-Dichloroethene	**100**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**140**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**57**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**360**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-21S_060512 (12-06-0456-2)						
Chloroform	**45**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**480**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**6.2**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1900**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**140**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**84**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**420**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-22S_060512 (12-06-0456-3)						
Chloroform	**430**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**26**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2500**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**12000**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**720**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**550**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2900**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-23S_060512 (12-06-0456-4)						
Benzene	**13**		5.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**23**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**110**		5.0	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**5.0**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**470**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**42**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**13**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**29**		15	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0456
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-24S_060512 (12-06-0456-5)						
Chloroform	**6.1**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**480**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**590**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**41**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**96**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**220**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-25S_060512 (12-06-0456-6)						
Chloroform	**420**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**15**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**210**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**13**		5.0	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**5.0**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1900**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**270**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-26S_060512 (12-06-0456-7)						
Chloroform	**640**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**28**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3200**		200	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**63**		10	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**19**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**8900**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**900**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**800**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**4400**		600	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-27S_060512 (12-06-0456-8)						
Chloroform	**310**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**8.6**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**630**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**14**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1600**		12	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**250**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**230**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**660**		15	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0456
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-28S_060512 (12-06-0456-9)						
Chloroform	**76**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**14**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**310**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**43**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-29S_060512 (12-06-0456-10)						
Chloroform	**19**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**310**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**500**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**69**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**45**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**100**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-30S_060512 (12-06-0456-11)						
Chloroform	**99**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**330**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**990**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**110**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**31**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**62**		15	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0456
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-20S_060512 (12-06-0456-1)						
1,1-Dichloroethene	**410**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**950**		34	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**320**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2800**		110	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-21S_060512 (12-06-0456-2)						
Chloroform	**220**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1900**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**25**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**13000**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**780**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**470**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3200**		110	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-22S_060512 (12-06-0456-3)						
Chloroform	**2100**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**110**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**9900**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**79000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**3900**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**3100**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**22000**		460	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-23S_060512 (12-06-0456-4)						
Benzene	**41**		16	ug/m3	EPA TO-15	N/A
Chloroform	**110**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**430**		20	ug/m3	EPA TO-15	N/A
Ethylbenzene	**22**		22	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**3200**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**220**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**71**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**220**		110	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0456
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-24S_060512 (12-06-0456-5)						
Chloroform	**30**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1900**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4000**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**220**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**540**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1700**		110	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-25S_060512 (12-06-0456-6)						
Chloroform	**2100**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**60**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**810**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**54**		20	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**20**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**13000**		140	ug/m3	EPA TO-15	N/A
Trichloroethene	**1400**		27	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-26S_060512 (12-06-0456-7)						
Chloroform	**3100**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**110**		40	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**13000**		790	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**260**		40	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**74**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**61000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**4900**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**4500**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**34000**		4600	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-27S_060512 (12-06-0456-8)						
Chloroform	**1500**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**35**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2500**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**58**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**11000**		85	ug/m3	EPA TO-15	N/A
Trichloroethene	**1300**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**1300**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5100**		110	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0456
		Project name:	Omega - SVE
		Received:	06/07/12 17:20
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-28S_060512 (12-06-0456-9)						
Chloroform	**370**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**54**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2100**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**230**		27	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-29S_060512 (12-06-0456-10)						
Chloroform	**94**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1200**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**3400**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**370**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**250**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**790**		110	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-30S_060512 (12-06-0456-11)						
Chloroform	**480**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1300**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**6700**		54	ug/m3	EPA TO-15	N/A
Trichloroethene	**570**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**170**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**470**		110	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-20S_060512	**12-06-0456-1-A**	**06/05/12 16:43**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 16:54**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	ND	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	140	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	ND	5.0	10	
1,1-Dichloroethene	100	5.0	10		Trichlorofluoromethane	57	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	360	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-21S_060512	**12-06-0456-2-A**	**06/05/12 16:48**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 17:39**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	45	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	1900	20	40	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	140	5.0	10	
1,1-Dichloroethene	480	5.0	10		Trichlorofluoromethane	84	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	420	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	6.2	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-22S_060512	**12-06-0456-3-A**	**06/05/12 16:53**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 18:24**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	430	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	12000	200	400	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	26	20	40		Trichloroethene	720	20	40	
1,1-Dichloroethene	2500	20	40		Trichlorofluoromethane	550	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	2900	60	40	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	ND	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	117	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-23S_060512	**12-06-0456-4-A**	**06/05/12 16:58**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 19:09**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	13	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	5.0	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	23	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	470	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	42	5.0	10	
1,1-Dichloroethene	110	5.0	10		Trichlorofluoromethane	13	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	29	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	120	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-24S_060512	**12-06-0456-5-A**	**06/05/12 17:03**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 19:54**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	6.1	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	590	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	41	5.0	10	
1,1-Dichloroethene	480	5.0	10		Trichlorofluoromethane	96	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	220	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-25S_060512	**12-06-0456-6-A**	**06/05/12 17:08**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 20:39**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	5.0	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	420	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	1900	20	40	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	15	5.0	10		Trichloroethene	270	5.0	10	
1,1-Dichloroethene	210	5.0	10		Trichlorofluoromethane	ND	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	13	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-26S_060512	**12-06-0456-7-A**	**06/05/12 17:13**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 21:24**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40	20		t-1,2-Dichloroethene	19	10	20	
Benzene	ND	10	20		t-1,3-Dichloropropene	ND	20	20	
Benzyl Chloride	ND	30	20		Ethylbenzene	ND	10	20	
Bromodichloromethane	ND	10	20		4-Ethyltoluene	ND	10	20	
Bromoform	ND	10	20		Hexachloro-1,3-Butadiene	ND	30	20	
Bromomethane	ND	10	20		Hexane	ND	40	20	
2-Butanone	ND	30	20		2-Hexanone	ND	30	20	
Carbon Disulfide	ND	40	20		Methyl-t-Butyl Ether (MTBE)	ND	40	20	
Carbon Tetrachloride	ND	10	20		Methylene Chloride	ND	100	20	
Chlorobenzene	ND	10	20		4-Methyl-2-Pentanone	ND	30	20	
Chloroethane	ND	10	20		o-Xylene	ND	10	20	
Chloroform	640	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	8900	200	400	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	28	10	20		Trichloroethene	900	10	20	
1,1-Dichloroethene	3200	200	400		Trichlorofluoromethane	800	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	4400	600	400	
Dichlorotetrafluoroethane	ND	40	20		1,1,1-Trichloroethane	ND	10	20	
1,2-Dichlorobenzene	ND	10	20		1,1,2-Trichloroethane	ND	10	20	
1,2-Dichloroethane	63	10	20		1,3,5-Trimethylbenzene	ND	10	20	
1,2-Dichloropropane	ND	10	20		1,1,2,2-Tetrachloroethane	ND	20	20	
1,3-Dichlorobenzene	ND	10	20		1,2,4-Trimethylbenzene	ND	30	20	
1,4-Dichlorobenzene	ND	10	20		1,2,4-Trichlorobenzene	ND	40	20	
1,4-Dioxane	ND	200	20		Vinyl Acetate	ND	40	20	
c-1,3-Dichloropropene	ND	10	20		Vinyl Chloride	ND	10	20	
c-1,2-Dichloroethene	ND	10	20		Isopropanol	ND	100	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	114	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-27S_060512	**12-06-0456-8-A**	**06/05/12 17:18**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 22:09**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	310	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	1600	12	25	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	8.6	5.0	10		Trichloroethene	250	5.0	10	
1,1-Dichloroethene	630	5.0	10		Trichlorofluoromethane	230	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	660	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	14	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	114	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-28S_060512	**12-06-0456-9-A**	**06/05/12 17:23**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 22:55**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	76	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	310	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	43	5.0	10	
1,1-Dichloroethene	14	5.0	10		Trichlorofluoromethane	ND	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-29S_060512	**12-06-0456-10-A**	**06/05/12 17:28**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 23:40**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	19	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	500	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	69	5.0	10	
1,1-Dichloroethene	310	5.0	10		Trichlorofluoromethane	45	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	100	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	115	57-129		1,2-Dichloroethane-d4	113	47-137	
Toluene-d8	104	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-30S_060512	**12-06-0456-11-A**	**06/05/12 17:33**	**Air**	**GC/MS YY**	**N/A**	**06/11/12 00:25**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	10		t-1,2-Dichloroethene	ND	5.0	10	
Benzene	ND	5.0	10		t-1,3-Dichloropropene	ND	10	10	
Benzyl Chloride	ND	15	10		Ethylbenzene	ND	5.0	10	
Bromodichloromethane	ND	5.0	10		4-Ethyltoluene	ND	5.0	10	
Bromoform	ND	5.0	10		Hexachloro-1,3-Butadiene	ND	15	10	
Bromomethane	ND	5.0	10		Hexane	ND	20	10	
2-Butanone	ND	15	10		2-Hexanone	ND	15	10	
Carbon Disulfide	ND	20	10		Methyl-t-Butyl Ether (MTBE)	ND	20	10	
Carbon Tetrachloride	ND	5.0	10		Methylene Chloride	ND	50	10	
Chlorobenzene	ND	5.0	10		4-Methyl-2-Pentanone	ND	15	10	
Chloroethane	ND	5.0	10		o-Xylene	ND	5.0	10	
Chloroform	99	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	990	8.0	16	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	110	5.0	10	
1,1-Dichloroethene	330	5.0	10		Trichlorofluoromethane	31	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	62	15	10	
Dichlorotetrafluoroethane	ND	20	10		1,1,1-Trichloroethane	ND	5.0	10	
1,2-Dichlorobenzene	ND	5.0	10		1,1,2-Trichloroethane	ND	5.0	10	
1,2-Dichloroethane	ND	5.0	10		1,3,5-Trimethylbenzene	ND	5.0	10	
1,2-Dichloropropane	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
1,3-Dichlorobenzene	ND	5.0	10		1,2,4-Trimethylbenzene	ND	15	10	
1,4-Dichlorobenzene	ND	5.0	10		1,2,4-Trichlorobenzene	ND	20	10	
1,4-Dioxane	ND	100	10		Vinyl Acetate	ND	20	10	
c-1,3-Dichloropropene	ND	5.0	10		Vinyl Chloride	ND	5.0	10	
c-1,2-Dichloroethene	ND	5.0	10		Isopropanol	ND	50	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	115	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,152**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/11/12 18:51**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,157**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 12:49**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	110	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-20S_060512	**12-06-0456-1-A**	**06/05/12 16:43**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 16:54**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	ND	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	950	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	ND	27	10	
1,1-Dichloroethene	410	20	10		Trichlorofluoromethane	320	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	2800	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-21S_060512	**12-06-0456-2-A**	**06/05/12 16:48**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 17:39**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	220	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	13000	140	40	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	780	27	10	
1,1-Dichloroethene	1900	20	10		Trichlorofluoromethane	470	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	3200	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	25	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	108	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-22S_060512	**12-06-0456-3-A**	**06/05/12 16:53**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 18:24**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	2100	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	79000	1400	400	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	110	81	40		Trichloroethene	3900	110	40	
1,1-Dichloroethene	9900	79	40		Trichlorofluoromethane	3100	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	22000	460	40	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	ND	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	117	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-23S_060512	**12-06-0456-4-A**	**06/05/12 16:58**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 19:09**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	41	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	22	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	110	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	3200	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	220	27	10	
1,1-Dichloroethene	430	20	10		Trichlorofluoromethane	71	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	220	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	120	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-24S_060512	**12-06-0456-5-A**	**06/05/12 17:03**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 19:54**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	30	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	4000	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	220	27	10	
1,1-Dichloroethene	1900	20	10		Trichlorofluoromethane	540	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	1700	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-25S_060512	**12-06-0456-6-A**	**06/05/12 17:08**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 20:39**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	20	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	2100	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	13000	140	40	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	60	20	10		Trichloroethene	1400	27	10	
1,1-Dichloroethene	810	20	10		Trichlorofluoromethane	ND	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	54	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	110	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-26S_060512	**12-06-0456-7-A**	**06/05/12 17:13**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 21:24**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	95	20		t-1,2-Dichloroethene	74	40	20	
Benzene	ND	32	20		t-1,3-Dichloropropene	ND	91	20	
Benzyl Chloride	ND	160	20		Ethylbenzene	ND	43	20	
Bromodichloromethane	ND	67	20		4-Ethyltoluene	ND	49	20	
Bromoform	ND	100	20		Hexachloro-1,3-Butadiene	ND	320	20	
Bromomethane	ND	39	20		Hexane	ND	140	20	
2-Butanone	ND	88	20		2-Hexanone	ND	120	20	
Carbon Disulfide	ND	120	20		Methyl-t-Butyl Ether (MTBE)	ND	140	20	
Carbon Tetrachloride	ND	63	20		Methylene Chloride	ND	350	20	
Chlorobenzene	ND	46	20		4-Methyl-2-Pentanone	ND	120	20	
Chloroethane	ND	26	20		o-Xylene	ND	43	20	
Chloroform	3100	49	20		p/m-Xylene	ND	170	20	
Chloromethane	ND	21	20		Styrene	ND	130	20	
Dibromochloromethane	ND	85	20		Tetrachloroethene	61000	1400	400	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	110	40	20		Trichloroethene	4900	54	20	
1,1-Dichloroethene	13000	790	400		Trichlorofluoromethane	4500	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	34000	4600	400	
Dichlorotetrafluoroethane	ND	280	20		1,1,1-Trichloroethane	ND	55	20	
1,2-Dichlorobenzene	ND	60	20		1,1,2-Trichloroethane	ND	55	20	
1,2-Dichloroethane	260	40	20		1,3,5-Trimethylbenzene	ND	49	20	
1,2-Dichloropropane	ND	46	20		1,1,2,2-Tetrachloroethane	ND	140	20	
1,3-Dichlorobenzene	ND	60	20		1,2,4-Trimethylbenzene	ND	150	20	
1,4-Dichlorobenzene	ND	60	20		1,2,4-Trichlorobenzene	ND	300	20	
1,4-Dioxane	ND	720	20		Vinyl Acetate	ND	140	20	
c-1,3-Dichloropropene	ND	45	20		Vinyl Chloride	ND	26	20	
c-1,2-Dichloroethene	ND	40	20		Isopropanol	ND	250	20	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	114	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-27S_060512	**12-06-0456-8-A**	**06/05/12 17:18**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 22:09**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	1500	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	11000	85	25	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	35	20	10		Trichloroethene	1300	27	10	
1,1-Dichloroethene	2500	20	10		Trichlorofluoromethane	1300	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	5100	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	58	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	114	57-129		1,2-Dichloroethane-d4	109	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-28S_060512	**12-06-0456-9-A**	**06/05/12 17:23**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 22:55**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	370	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	2100	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	230	27	10	
1,1-Dichloroethene	54	20	10		Trichlorofluoromethane	ND	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	100	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-29S_060512	**12-06-0456-10-A**	**06/05/12 17:28**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 23:40**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	94	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	3400	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	370	27	10	
1,1-Dichloroethene	1200	20	10		Trichlorofluoromethane	250	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	790	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	115	57-129		1,2-Dichloroethane-d4	113	47-137	
Toluene-d8	104	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-30S_060512	**12-06-0456-11-A**	**06/05/12 17:33**	**Air**	**GC/MS YY**	**N/A**	**06/11/12 00:25**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	48	10		t-1,2-Dichloroethene	ND	20	10	
Benzene	ND	16	10		t-1,3-Dichloropropene	ND	45	10	
Benzyl Chloride	ND	78	10		Ethylbenzene	ND	22	10	
Bromodichloromethane	ND	34	10		4-Ethyltoluene	ND	25	10	
Bromoform	ND	52	10		Hexachloro-1,3-Butadiene	ND	160	10	
Bromomethane	ND	19	10		Hexane	ND	70	10	
2-Butanone	ND	44	10		2-Hexanone	ND	61	10	
Carbon Disulfide	ND	62	10		Methyl-t-Butyl Ether (MTBE)	ND	72	10	
Carbon Tetrachloride	ND	31	10		Methylene Chloride	ND	170	10	
Chlorobenzene	ND	23	10		4-Methyl-2-Pentanone	ND	61	10	
Chloroethane	ND	13	10		o-Xylene	ND	22	10	
Chloroform	480	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	6700	54	16	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	570	27	10	
1,1-Dichloroethene	1300	20	10		Trichlorofluoromethane	170	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	470	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	ND	27	10	
1,2-Dichloroethane	ND	20	10		1,3,5-Trimethylbenzene	ND	25	10	
1,2-Dichloropropane	ND	23	10		1,1,2,2-Tetrachloroethane	ND	69	10	
1,3-Dichlorobenzene	ND	30	10		1,2,4-Trimethylbenzene	ND	74	10	
1,4-Dichlorobenzene	ND	30	10		1,2,4-Trichlorobenzene	ND	150	10	
1,4-Dioxane	ND	360	10		Vinyl Acetate	ND	70	10	
c-1,3-Dichloropropene	ND	23	10		Vinyl Chloride	ND	13	10	
c-1,2-Dichloroethene	ND	20	10		Isopropanol	ND	120	10	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	57-129		1,2-Dichloroethane-d4	115	47-137	
Toluene-d8	101	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,152**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/11/12 18:51**	**120611L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	104	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/07/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0456
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,157**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/10/12 12:49**	**120610L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	110	57-129		1,2-Dichloroethane-d4	105	47-137	
Toluene-d8	102	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0456
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,157	**Air**	**GC/MS YY**	**N/A**	**06/10/12**	**120610L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	22.43	90	22.30	89	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	22.20	89	21.56	86	50-150	33-167	3	0-35	
Acetone	25.00	24.56	98	24.91	100	50-150	33-167	1	0-35	
Benzene	25.00	24.32	97	24.65	99	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	26.94	108	24.17	97	50-150	33-167	11	0-35	
Bromodichloromethane	25.00	24.83	99	24.93	100	50-150	33-167	0	0-35	
Bromoform	25.00	23.88	96	23.65	95	62-134	50-146	1	0-38	
Bromomethane	25.00	24.68	99	24.89	100	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	27.60	110	27.88	112	50-150	33-167	1	0-35	
2-Butanone	25.00	27.84	111	27.92	112	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	24.54	98	24.92	100	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	24.73	99	24.96	100	64-154	49-169	1	0-32	
Chlorobenzene	25.00	23.65	95	24.05	96	50-150	33-167	2	0-35	
Chloroethane	25.00	25.94	104	26.07	104	50-150	33-167	1	0-35	
Chloroform	25.00	24.58	98	24.90	100	50-150	33-167	1	0-35	
Chloromethane	25.00	27.39	110	27.75	111	50-150	33-167	1	0-35	
Cyclohexane	25.00	26.55	106	27.07	108	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	24.72	99	25.31	101	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	24.43	98	24.59	98	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	26.24	105	25.67	103	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	25.43	102	26.08	104	50-150	33-167	3	0-35	
1,1-Dichloroethene	25.00	25.19	101	25.51	102	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	23.96	96	24.94	100	54-144	39-159	4	0-36	
Dichlorotetrafluoroethane	25.00	24.59	98	24.76	99	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	22.97	92	20.48	82	34-160	13-181	11	0-47	
1,2-Dichloroethane	25.00	25.08	100	25.15	101	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	25.40	102	26.17	105	67-157	52-172	3	0-35	
1,3-Dichlorobenzene	25.00	22.15	89	20.68	83	50-150	33-167	7	0-35	
1,4-Dichlorobenzene	25.00	22.39	90	20.58	82	36-156	16-176	8	0-47	
1,4-Dioxane	25.00	25.92	104	21.31	85	50-150	33-167	20	0-35	
c-1,3-Dichloropropene	25.00	24.97	100	25.17	101	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	24.21	97	24.64	99	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0456
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,157	**Air**	**GC/MS YY**	**N/A**	**06/10/12**	**120610L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	24.10	96	24.24	97	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	25.13	101	25.17	101	50-150	33-167	0	0-35	
Ethanol	100.0	112.0	112	98.23	98	50-150	33-167	13	0-35	
Ethyl Acetate	25.00	27.31	109	27.10	108	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	25.16	101	25.62	102	50-150	33-167	2	0-35	
Ethylbenzene	25.00	24.19	97	24.37	97	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	22.94	92	22.02	88	50-150	33-167	4	0-35	
Heptane	25.00	24.78	99	25.09	100	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	24.21	97	24.91	100	50-150	33-167	3	0-35	
Hexane	25.00	27.10	108	27.25	109	50-150	33-167	1	0-35	
2-Hexanone	25.00	25.82	103	27.21	109	50-150	33-167	5	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	24.35	97	25.38	102	50-150	33-167	4	0-35	
Methylene Chloride	25.00	23.81	95	24.21	97	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	26.15	105	26.57	106	50-150	33-167	2	0-35	
Naphthalene	25.00	23.88	96	23.46	94	40-190	15-215	2	0-35	
o-Xylene	25.00	23.66	95	23.85	95	52-148	36-164	1	0-38	
p/m-Xylene	50.00	47.84	96	48.40	97	42-156	23-175	1	0-41	
Propene	25.00	29.14	117	29.46	118	50-150	33-167	1	0-35	
Styrene	25.00	24.51	98	24.48	98	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	24.11	96	24.10	96	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	50.27	101	49.31	99	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	23.13	93	23.97	96	56-152	40-168	4	0-40	
Tetrahydrofuran	25.00	28.82	115	28.89	116	50-150	33-167	0	0-35	
Toluene	25.00	24.14	97	24.97	100	56-146	41-161	3	0-43	
Trichloroethene	25.00	24.10	96	24.39	98	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	24.03	96	24.25	97	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	24.47	98	24.89	100	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	24.31	97	23.95	96	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	24.54	98	24.71	99	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	23.01	92	22.43	90	50-150	33-167	3	0-35	
Acrolein	25.00	27.32	109	28.18	113	50-150	33-167	3	0-35	
Acrylonitrile	25.00	27.38	110	27.52	110	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0456
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,157	**Air**	**GC/MS YY**	**N/A**	**06/10/12**	**120610L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	25.26	101	25.47	102	50-150	33-167	1	0-35	
Propane	50.00	57.99	116	60.10	120	50-150	33-167	4	0-35	
Butane	50.00	54.83	110	55.36	111	50-150	33-167	1	0-35	
Methanol	75.00	75.71	101	67.39	90	50-150	33-167	12	0-35	
2,2,4-Trimethyl Pentane	25.00	26.52	106	26.99	108	50-150	33-167	2	0-35	
Isobutane	50.00	54.58	109	55.19	110	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.13	101	25.42	102	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	23.04	92	22.03	88	50-150	33-167	4	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.69	95	23.21	93	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	24.30	97	22.84	91	50-150	33-167	6	0-35	
1,2,4-Trichlorobenzene	25.00	26.23	105	26.23	105	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	27.87	111	28.54	114	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	25.95	104	26.16	105	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	27.46	110	27.62	110	50-150	33-167	1	0-35	
Isopropanol	25.00	27.81	111	25.52	102	50-150	33-167	9	0-35	
2-Chlorotoluene	25.00	22.61	90	22.14	89	50-150	33-167	2	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0456
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,152	**Air**	**GC/MS YY**	**N/A**	**06/11/12**	**120611L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	23.34	93	22.26	89	50-150	33-167	5	0-35	
n-Propylbenzene	25.00	22.07	88	21.10	84	50-150	33-167	5	0-35	
Acetone	25.00	23.97	96	23.53	94	50-150	33-167	2	0-35	
Benzene	25.00	26.01	104	25.43	102	60-156	44-172	2	0-40	
Benzyl Chloride	25.00	22.81	91	21.73	87	50-150	33-167	5	0-35	
Bromodichloromethane	25.00	24.09	96	23.55	94	50-150	33-167	2	0-35	
Bromoform	25.00	23.88	96	22.67	91	62-134	50-146	5	0-38	
Bromomethane	25.00	23.07	92	22.80	91	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	23.45	94	23.12	92	50-150	33-167	1	0-35	
2-Butanone	25.00	24.37	97	24.03	96	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	25.59	102	25.21	101	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	23.08	92	22.47	90	64-154	49-169	3	0-32	
Chlorobenzene	25.00	25.93	104	24.57	98	50-150	33-167	5	0-35	
Chloroethane	25.00	23.97	96	23.47	94	50-150	33-167	2	0-35	
Chloroform	25.00	23.39	94	22.91	92	50-150	33-167	2	0-35	
Chloromethane	25.00	23.13	93	22.97	92	50-150	33-167	1	0-35	
Cyclohexane	25.00	25.51	102	24.90	100	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	25.63	103	24.20	97	50-150	33-167	6	0-35	
Dichlorodifluoromethane	25.00	22.60	90	21.52	86	50-150	33-167	5	0-35	
Diisopropyl Ether (DIPE)	25.00	24.19	97	22.97	92	50-150	33-167	5	0-35	
1,1-Dichloroethane	25.00	24.43	98	24.40	98	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	23.90	96	23.52	94	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	25.79	103	24.62	98	54-144	39-159	5	0-36	
Dichlorotetrafluoroethane	25.00	22.46	90	22.18	89	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	19.74	79	18.95	76	34-160	13-181	4	0-47	
1,2-Dichloroethane	25.00	22.68	91	22.28	89	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	25.64	103	25.34	101	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	20.27	81	19.18	77	50-150	33-167	6	0-35	
1,4-Dichlorobenzene	25.00	19.81	79	18.86	75	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	27.34	109	26.58	106	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	25.88	104	25.27	101	61-157	45-173	2	0-35	
c-1,2-Dichloroethene	25.00	25.80	103	25.48	102	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0456
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,152	**Air**	**GC/MS YY**	**N/A**	**06/11/12**	**120611L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	25.79	103	25.15	101	50-150	33-167	3	0-35	
t-1,3-Dichloropropene	25.00	25.41	102	24.89	100	50-150	33-167	2	0-35	
Ethanol	100.0	93.13	93	91.84	92	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	26.44	106	25.38	102	50-150	33-167	4	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	25.89	104	25.42	102	50-150	33-167	2	0-35	
Ethylbenzene	25.00	25.44	102	24.07	96	52-154	35-171	6	0-38	
4-Ethyltoluene	25.00	21.65	87	20.65	83	50-150	33-167	5	0-35	
Heptane	25.00	26.20	105	25.35	101	50-150	33-167	3	0-35	
Hexachloro-1,3-Butadiene	25.00	27.68	111	25.79	103	50-150	33-167	7	0-35	
Hexane	25.00	24.78	99	24.13	97	50-150	33-167	3	0-35	
2-Hexanone	25.00	27.71	111	26.14	105	50-150	33-167	6	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	25.22	101	25.22	101	50-150	33-167	0	0-35	
Methylene Chloride	25.00	24.65	99	24.31	97	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	25.44	102	24.70	99	50-150	33-167	3	0-35	
Naphthalene	25.00	30.64	123	28.39	114	40-190	15-215	8	0-35	
o-Xylene	25.00	24.64	99	23.46	94	52-148	36-164	5	0-38	
p/m-Xylene	50.00	50.01	100	47.56	95	42-156	23-175	5	0-41	
Propene	25.00	24.43	98	23.97	96	50-150	33-167	2	0-35	
Styrene	25.00	25.49	102	24.21	97	50-150	33-167	5	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	26.63	107	25.50	102	50-150	33-167	4	0-35	
Tert-Butyl Alcohol (TBA)	50.00	55.12	110	54.06	108	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	26.70	107	25.23	101	56-152	40-168	6	0-40	
Tetrahydrofuran	25.00	25.34	101	24.83	99	50-150	33-167	2	0-35	
Toluene	25.00	27.11	108	25.64	103	56-146	41-161	6	0-43	
Trichloroethene	25.00	24.89	100	24.27	97	63-159	47-175	3	0-34	
Trichlorofluoromethane	25.00	22.42	90	22.02	88	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	24.57	98	24.26	97	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	23.35	93	22.68	91	50-150	33-167	3	0-35	
1,1,2-Trichloroethane	25.00	24.88	100	24.29	97	65-149	51-163	2	0-37	
1,2,3-Trichloropropane	25.00	22.71	91	21.61	86	50-150	33-167	5	0-35	
Acrolein	25.00	25.53	102	25.28	101	50-150	33-167	1	0-35	
Acrylonitrile	25.00	25.87	103	25.62	102	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0456
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,152	**Air**	**GC/MS YY**	**N/A**	**06/11/12**	**120611L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	25.93	104	25.37	101	50-150	33-167	2	0-35	
Propane	50.00	50.10	100	48.32	97	50-150	33-167	4	0-35	
Butane	50.00	46.83	94	46.03	92	50-150	33-167	2	0-35	
Methanol	75.00	75.92	101	76.09	101	50-150	33-167	0	0-35	
2,2,4-Trimethyl Pentane	25.00	25.52	102	24.98	100	50-150	33-167	2	0-35	
Isobutane	50.00	47.09	94	46.38	93	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	24.56	98	24.25	97	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	21.30	85	20.30	81	50-150	33-167	5	0-35	
1,1,2,2-Tetrachloroethane	25.00	23.61	94	22.36	89	50-150	33-167	5	0-35	
1,2,4-Trimethylbenzene	25.00	20.92	84	19.98	80	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	31.41	126	29.28	117	50-150	33-167	7	0-35	
Vinyl Acetate	25.00	24.06	96	23.95	96	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	23.34	93	23.06	92	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	23.53	94	23.36	93	50-150	33-167	1	0-35	
Isopropanol	25.00	27.17	109	26.82	107	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	22.67	91	21.68	87	50-150	33-167	4	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-0456**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_VE-20S_060512	-4.00	-29.70	LC035	Summa Canister 1L
OC_SVE2_VE-21S_060512	-4.00	-29.70	LC323	Summa Canister 1L
OC_SVE2_VE-22S_060512	-4.00	-29.70	LC489	Summa Canister 1L
OC_SVE2_VE-23S_060512	0.00	-29.70	LC426	Summa Canister 1L
OC_SVE2_VE-24S_060512	-4.00	-29.70	SLC069	Summa Canister 1L
OC_SVE2_VE-25S_060512	-4.00	-29.70	LC488	Summa Canister 1L
OC_SVE2_VE-26S_060512	-4.00	-29.70	LC005	Summa Canister 1L
OC_SVE2_VE-27S_060512	-4.00	-29.60	LC061	Summa Canister 1L
OC_SVE2_VE-28S_060512	-5.00	-29.70	SLC037	Summa Canister 1L
OC_SVE2_VE-29S_060512	-4.00	-29.70	SLC057	Summa Canister 1L
OC_SVE2_VE-30S_060512	-4.00	-29.60	LC485	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-0456

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 06/05/12
PAGE: 1 OF 1

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 12-06-0456

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)				
1	OC_SVE2_VE-20S_060512	SP-VE-20S	SV	LC035	1L	NA	6/5/2012	1640	-30	6/5/2012	1643	-2	x				
2	OC_SVE2_VE-21S_060512	SP-VE-21S	SV	1534	1L	NA	6/5/2012	1645	-30	6/5/2012	1648	-2	x				
3	OC_SVE2_VE-22S_060512	SP-VE-22S	SV	1337	1L	NA	6/5/2012	1650	-30	6/5/2012	1653	-2	x				
4	OC_SVE2_VE-23S_060512	SP-VE-23S	SV	1432	1L	NA	6/5/2012	1655	-30	6/5/2012	1658	-2	x				
5	OC_SVE2_VE-24S_060512	SP-VE-24S	SV	1292	1L	NA	6/5/2012	1700	-30	6/5/2012	1703	-2	x				
6	OC_SVE2_VE-25S_060512	SP-VE-25S	SV	1485	1L	NA	6/5/2012	1705	-30	6/5/2012	1708	-2	x				
7	OC_SVE2_VE-26S_060512	SP-VE-26S	SV	LC005	1L	NA	6/5/2012	1710	-30	6/5/2012	1713	-2	x				
8	OC_SVE2_VE-27S_060512	SP-VE-27S	SV	1019	1L	NA	6/5/2012	1715	-30	6/5/2012	1718	-2	x				
9	OC_SVE2_VE-28S_060512	SP-VE-28S	SV	1248	1L	NA	6/5/2012	1720	-30	6/5/2012	1723	-2	x				
10	OC_SVE2_VE-29S_060512	SP-VE-29S	SV	1312	1L	NA	6/5/2012	1725	-30	6/5/2012	1728	-2	x				
11	OC_SVE2_VE-30S_060512	SP-VE-30S	SV	LC485	1L	NA	6/5/2012	1730	-30	6/5/2012	1733	-2	x				
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/7/12	1410
		06/07/12	1720

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-0456

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 06/7/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °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: RM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Initial: RM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: NC

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:** NC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** [illegible]

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:** [illegible]

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-06-0894

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: de maximis, inc.

Client Project Name: Omega - SVE

Attention: Jaime Dinello
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Approved for release on 06/26/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) 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 attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0894
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_FRR-VMP-3-12'_061212 (12-06-0894-1)						
Acetone	**58**		2.3	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**10**		1.7	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**1.7**		0.56	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**0.97**		0.56	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**1.0**		0.56	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**3.3**		2.3	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**43**		0.56	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**1.2**		0.56	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**4.0**		1.7	ppb (v/v)	EPA TO-15	N/A
Vinyl Acetate	**4.8**		2.3	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_FRR-VMP-5-12'_061212 (12-06-0894-2)						
Acetone	**26**		2.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2.1**		0.56	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**83**		0.56	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4.7**		0.56	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_FRR-VMP-13-12'_061212 (12-06-0894-3)						
Acetone	**35**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.7**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**5.9**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**110**		3.4	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.78**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**8.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.4**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-28-24'_061212 (12-06-0894-4)						
Acetone	**67**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.6**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**3.3**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.96**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**340**		7.4	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.99**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.7**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5.6**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0894
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VMP-29-24'_061212 (12-06-0894-5)						
Acetone	**67**		2.2	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.79**		0.55	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.5**		1.6	ppb (v/v)	EPA TO-15	N/A
Chloroform	**5.5**		0.55	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.65**		0.55	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**0.83**		0.55	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**11**		0.55	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1100**		15	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.97**		0.55	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**46**		0.55	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1.9**		1.6	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**2.0**		1.6	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-30-24'_061212 (12-06-0894-6)						
Acetone	**41**		2.1	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.61**		0.53	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.6**		1.6	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.74**		0.53	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.3**		0.53	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-31-24'_061212 (12-06-0894-7)						
Acetone	**40**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.6**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.50**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**4.9**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-32-24'_061212 (12-06-0894-8)						
Acetone	**50**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**4.3**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.55**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**230**		2.6	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

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		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VMP-33-24'_061212 (12-06-0894-9)						
Acetone	**16**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**420**		2.5	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.7**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-34-24'_061212 (12-06-0894-10)						
Acetone	**160**		80	ppb (v/v)	EPA TO-15	N/A
Chloroform	**88**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**800**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**17000**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**720**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**350**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1100**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-34-24'_061212K (12-06-0894-11)						
Chloroform	**120**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**840**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**25000**		400	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**830**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**290**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**760**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-35-24'_061212 (12-06-0894-12)						
Acetone	**35**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.99**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**350**		2.5	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.82**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**9.5**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**1.7**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-36-24'_061212 (12-06-0894-13)						
Acetone	**30**		2.0	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**36**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.60**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**1.9**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0894
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VMP-37-24'_061212 (12-06-0894-14)						
Acetone	**29**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**9.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-47-24'_061212 (12-06-0894-15)						
Acetone	**33**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.52**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**15**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**3.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**1.7**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VMP-48-24'_061212 (12-06-0894-16)						
Acetone	**38**		2.2	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.7**		1.7	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**110**		1.5	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.65**		0.56	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.62**		0.56	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**4.5**		1.7	ppb (v/v)	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0894
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_FRR-VMP-3-12'_061212 (12-06-0894-1)						
Acetone	**140**		5.4	ug/m3	EPA TO-15	N/A
2-Butanone	**31**		5.0	ug/m3	EPA TO-15	N/A
Chloromethane	**3.6**		1.2	ug/m3	EPA TO-15	N/A
Ethylbenzene	**4.2**		2.5	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**5.1**		2.8	ug/m3	EPA TO-15	N/A
p/m-Xylene	**14**		9.8	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**290**		3.8	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**5.9**		2.8	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**20**		8.3	ug/m3	EPA TO-15	N/A
Vinyl Acetate	**17**		8.0	ug/m3	EPA TO-15	N/A
OC_SVE2_FRR-VMP-5-12'_061212 (12-06-0894-2)						
Acetone	**62**		5.3	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**8.1**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**560**		3.8	ug/m3	EPA TO-15	N/A
Trichloroethene	**25**		3.0	ug/m3	EPA TO-15	N/A
OC_SVE2_FRR-VMP-13-12'_061212 (12-06-0894-3)						
Acetone	**84**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**5.0**		4.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**23**		2.0	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**2.5**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**780**		23	ug/m3	EPA TO-15	N/A
Toluene	**2.9**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**44**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**2.5**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**12**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-28-24'_061212 (12-06-0894-4)						
Acetone	**160**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**5.2**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**9.7**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**2.0**		1.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	**4.4**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2300**		50	ug/m3	EPA TO-15	N/A
Toluene	**3.7**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**14**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**43**		11	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0894
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VMP-29-24'_061212 (12-06-0894-5)						
Acetone	**160**		5.2	ug/m3	EPA TO-15	N/A
Benzene	**2.5**		1.8	ug/m3	EPA TO-15	N/A
2-Butanone	**7.5**		4.9	ug/m3	EPA TO-15	N/A
Chloroform	**27**		2.7	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**3.4**		2.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**43**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**7100**		100	ug/m3	EPA TO-15	N/A
Toluene	**3.7**		2.1	ug/m3	EPA TO-15	N/A
Trichloroethene	**250**		3.0	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**15**		13	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**9.6**		8.1	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-30-24'_061212 (12-06-0894-6)						
Acetone	**98**		5.0	ug/m3	EPA TO-15	N/A
Benzene	**2.0**		1.7	ug/m3	EPA TO-15	N/A
2-Butanone	**4.7**		4.7	ug/m3	EPA TO-15	N/A
Chloromethane	**1.5**		1.1	ug/m3	EPA TO-15	N/A
Toluene	**4.7**		2.0	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-31-24'_061212 (12-06-0894-7)						
Acetone	**94**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**4.8**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.0**		1.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**33**		3.4	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-32-24'_061212 (12-06-0894-8)						
Acetone	**120**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**13**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.2**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.7**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1600**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**6.8**		2.7	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0894
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VMP-33-24'_061212 (12-06-0894-9)						
Acetone	**37**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2800**		17	ug/m3	EPA TO-15	N/A
Toluene	**2.0**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**9.1**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-34-24'_061212 (12-06-0894-10)						
Acetone	**390**		190	ug/m3	EPA TO-15	N/A
Chloroform	**430**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3200**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**120000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**3900**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**1900**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**8200**		460	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-34-24'_061212K (12-06-0894-11)						
Chloroform	**590**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3300**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**170000**		2700	ug/m3	EPA TO-15	N/A
Trichloroethene	**4500**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**1600**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5800**		460	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-35-24'_061212 (12-06-0894-12)						
Acetone	**84**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**4.9**		2.4	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3.9**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2400**		17	ug/m3	EPA TO-15	N/A
Toluene	**3.1**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**51**		2.7	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**8.4**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-36-24'_061212 (12-06-0894-13)						
Acetone	**72**		4.8	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**2.5**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**250**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.3**		1.9	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**9.4**		7.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-06-0894
		Project name:	Omega - SVE
		Received:	06/13/12 17:15
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VMP-37-24'_061212 (12-06-0894-14)						
Acetone	**69**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**3.0**		2.4	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**63**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**4.4**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-47-24'_061212 (12-06-0894-15)						
Acetone	**79**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**100**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.4**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**16**		2.7	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**8.5**		7.4	ug/m3	EPA TO-15	N/A
OC_SVE2_VMP-48-24'_061212 (12-06-0894-16)						
Acetone	**89**		5.3	ug/m3	EPA TO-15	N/A
2-Butanone	**5.1**		4.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**720**		10	ug/m3	EPA TO-15	N/A
Toluene	**2.5**		2.1	ug/m3	EPA TO-15	N/A
Trichloroethene	**3.4**		3.0	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**34**		13	ug/m3	EPA TO-15	N/A

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 1 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_FRR-VMP-3-12'_061212	**12-06-0894-1-A**	**06/12/12 13:58**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 00:59**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	58	2.3	1.13		t-1,2-Dichloroethene	ND	0.56	1.13	
Benzene	ND	0.56	1.13		t-1,3-Dichloropropene	ND	1.1	1.13	
Benzyl Chloride	ND	1.7	1.13		Ethylbenzene	0.97	0.56	1.13	
Bromodichloromethane	ND	0.56	1.13		4-Ethyltoluene	1.0	0.56	1.13	
Bromoform	ND	0.56	1.13		Hexachloro-1,3-Butadiene	ND	1.7	1.13	
Bromomethane	ND	0.56	1.13		Hexane	ND	2.3	1.13	
2-Butanone	10	1.7	1.13		2-Hexanone	ND	1.7	1.13	
Carbon Disulfide	ND	2.3	1.13		Methyl-t-Butyl Ether (MTBE)	ND	2.3	1.13	
Carbon Tetrachloride	ND	0.56	1.13		Methylene Chloride	ND	5.6	1.13	
Chlorobenzene	ND	0.56	1.13		4-Methyl-2-Pentanone	ND	1.7	1.13	
Chloroethane	ND	0.56	1.13		o-Xylene	ND	0.56	1.13	
Chloroform	ND	0.56	1.13		p/m-Xylene	3.3	2.3	1.13	
Chloromethane	1.7	0.56	1.13		Styrene	ND	1.7	1.13	
Dibromochloromethane	ND	0.56	1.13		Tetrachloroethene	43	0.56	1.13	
Dichlorodifluoromethane	ND	0.56	1.13		Toluene	ND	0.56	1.13	
1,1-Dichloroethane	ND	0.56	1.13		Trichloroethene	ND	0.56	1.13	
1,1-Dichloroethene	ND	0.56	1.13		Trichlorofluoromethane	ND	1.1	1.13	
1,2-Dibromoethane	ND	0.56	1.13		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.7	1.13	
Dichlorotetrafluoroethane	ND	2.3	1.13		1,1,1-Trichloroethane	ND	0.56	1.13	
1,2-Dichlorobenzene	ND	0.56	1.13		1,1,2-Trichloroethane	ND	0.56	1.13	
1,2-Dichloroethane	ND	0.56	1.13		1,3,5-Trimethylbenzene	1.2	0.56	1.13	
1,2-Dichloropropane	ND	0.56	1.13		1,1,2,2-Tetrachloroethane	ND	1.1	1.13	
1,3-Dichlorobenzene	ND	0.56	1.13		1,2,4-Trimethylbenzene	4.0	1.7	1.13	
1,4-Dichlorobenzene	ND	0.56	1.13		1,2,4-Trichlorobenzene	ND	2.3	1.13	
1,4-Dioxane	ND	11	1.13		Vinyl Acetate	4.8	2.3	1.13	
c-1,3-Dichloropropene	ND	0.56	1.13		Vinyl Chloride	ND	0.56	1.13	
c-1,2-Dichloroethene	ND	0.56	1.13		Isopropanol	ND	5.6	1.13	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_FRR-VMP-5-12'_061212	**12-06-0894-2-A**	**06/12/12 13:43**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 01:53**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	26	2.2	1.12		t-1,2-Dichloroethene	ND	0.56	1.12	
Benzene	ND	0.56	1.12		t-1,3-Dichloropropene	ND	1.1	1.12	
Benzyl Chloride	ND	1.7	1.12		Ethylbenzene	ND	0.56	1.12	
Bromodichloromethane	ND	0.56	1.12		4-Ethyltoluene	ND	0.56	1.12	
Bromoform	ND	0.56	1.12		Hexachloro-1,3-Butadiene	ND	1.7	1.12	
Bromomethane	ND	0.56	1.12		Hexane	ND	2.2	1.12	
2-Butanone	ND	1.7	1.12		2-Hexanone	ND	1.7	1.12	
Carbon Disulfide	ND	2.2	1.12		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.12	
Carbon Tetrachloride	ND	0.56	1.12		Methylene Chloride	ND	5.6	1.12	
Chlorobenzene	ND	0.56	1.12		4-Methyl-2-Pentanone	ND	1.7	1.12	
Chloroethane	ND	0.56	1.12		o-Xylene	ND	0.56	1.12	
Chloroform	ND	0.56	1.12		p/m-Xylene	ND	2.2	1.12	
Chloromethane	ND	0.56	1.12		Styrene	ND	1.7	1.12	
Dibromochloromethane	ND	0.56	1.12		Tetrachloroethene	83	0.56	1.12	
Dichlorodifluoromethane	ND	0.56	1.12		Toluene	ND	0.56	1.12	
1,1-Dichloroethane	ND	0.56	1.12		Trichloroethene	4.7	0.56	1.12	
1,1-Dichloroethene	2.1	0.56	1.12		Trichlorofluoromethane	ND	1.1	1.12	
1,2-Dibromoethane	ND	0.56	1.12		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.7	1.12	
Dichlorotetrafluoroethane	ND	2.2	1.12		1,1,1-Trichloroethane	ND	0.56	1.12	
1,2-Dichlorobenzene	ND	0.56	1.12		1,1,2-Trichloroethane	ND	0.56	1.12	
1,2-Dichloroethane	ND	0.56	1.12		1,3,5-Trimethylbenzene	ND	0.56	1.12	
1,2-Dichloropropane	ND	0.56	1.12		1,1,2,2-Tetrachloroethane	ND	1.1	1.12	
1,3-Dichlorobenzene	ND	0.56	1.12		1,2,4-Trimethylbenzene	ND	1.7	1.12	
1,4-Dichlorobenzene	ND	0.56	1.12		1,2,4-Trichlorobenzene	ND	2.2	1.12	
1,4-Dioxane	ND	11	1.12		Vinyl Acetate	ND	2.2	1.12	
c-1,3-Dichloropropene	ND	0.56	1.12		Vinyl Chloride	ND	0.56	1.12	
c-1,2-Dichloroethene	ND	0.56	1.12		Isopropanol	ND	5.6	1.12	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 3 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_FRR-VMP-13-12'_061212	**12-06-0894-3-A**	**06/12/12 13:28**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 02:47**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	35	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.51	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	1.7	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	110	3.4	6.9	
Dichlorodifluoromethane	ND	0.50	1		Toluene	0.78	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	8.1	0.50	1	
1,1-Dichloroethene	5.9	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	0.51	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	2.4	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 4 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-28-24'_061212	**12-06-0894-4-A**	**06/12/12 16:13**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 03:42**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	67	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	1.6	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	1.0	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	3.3	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.96	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	340	7.4	14.8	
Dichlorodifluoromethane	ND	0.50	1		Toluene	0.99	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	2.7	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	5.6	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 5 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-29-24'_061212	**12-06-0894-5-A**	**06/12/12 13:08**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 04:37**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	67	2.2	1.1		t-1,2-Dichloroethene	ND	0.55	1.1	
Benzene	0.79	0.55	1.1		t-1,3-Dichloropropene	ND	1.1	1.1	
Benzyl Chloride	ND	1.6	1.1		Ethylbenzene	ND	0.55	1.1	
Bromodichloromethane	ND	0.55	1.1		4-Ethyltoluene	ND	0.55	1.1	
Bromoform	ND	0.55	1.1		Hexachloro-1,3-Butadiene	ND	1.6	1.1	
Bromomethane	ND	0.55	1.1		Hexane	ND	2.2	1.1	
2-Butanone	2.5	1.6	1.1		2-Hexanone	ND	1.6	1.1	
Carbon Disulfide	ND	2.2	1.1		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.1	
Carbon Tetrachloride	ND	0.55	1.1		Methylene Chloride	ND	5.5	1.1	
Chlorobenzene	ND	0.55	1.1		4-Methyl-2-Pentanone	ND	1.6	1.1	
Chloroethane	ND	0.55	1.1		o-Xylene	ND	0.55	1.1	
Chloroform	5.5	0.55	1.1		p/m-Xylene	ND	2.2	1.1	
Chloromethane	0.65	0.55	1.1		Styrene	ND	1.6	1.1	
Dibromochloromethane	ND	0.55	1.1		Tetrachloroethene	1100	15	29.5	
Dichlorodifluoromethane	ND	0.55	1.1		Toluene	0.97	0.55	1.1	
1,1-Dichloroethane	0.83	0.55	1.1		Trichloroethene	46	0.55	1.1	
1,1-Dichloroethene	11	0.55	1.1		Trichlorofluoromethane	ND	1.1	1.1	
1,2-Dibromoethane	ND	0.55	1.1		1,1,2-Trichloro-1,2,2-Trifluoroethane	1.9	1.6	1.1	
Dichlorotetrafluoroethane	ND	2.2	1.1		1,1,1-Trichloroethane	ND	0.55	1.1	
1,2-Dichlorobenzene	ND	0.55	1.1		1,1,2-Trichloroethane	ND	0.55	1.1	
1,2-Dichloroethane	ND	0.55	1.1		1,3,5-Trimethylbenzene	ND	0.55	1.1	
1,2-Dichloropropane	ND	0.55	1.1		1,1,2,2-Tetrachloroethane	ND	1.1	1.1	
1,3-Dichlorobenzene	ND	0.55	1.1		1,2,4-Trimethylbenzene	2.0	1.6	1.1	
1,4-Dichlorobenzene	ND	0.55	1.1		1,2,4-Trichlorobenzene	ND	2.2	1.1	
1,4-Dioxane	ND	11	1.1		Vinyl Acetate	ND	2.2	1.1	
c-1,3-Dichloropropene	ND	0.55	1.1		Vinyl Chloride	ND	0.55	1.1	
c-1,2-Dichloroethene	ND	0.55	1.1		Isopropanol	ND	5.5	1.1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-30-24'_061212	**12-06-0894-6-A**	**06/12/12 12:43**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 05:32**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	41	2.1	1.06		t-1,2-Dichloroethene	ND	0.53	1.06	
Benzene	0.61	0.53	1.06		t-1,3-Dichloropropene	ND	1.1	1.06	
Benzyl Chloride	ND	1.6	1.06		Ethylbenzene	ND	0.53	1.06	
Bromodichloromethane	ND	0.53	1.06		4-Ethyltoluene	ND	0.53	1.06	
Bromoform	ND	0.53	1.06		Hexachloro-1,3-Butadiene	ND	1.6	1.06	
Bromomethane	ND	0.53	1.06		Hexane	ND	2.1	1.06	
2-Butanone	1.6	1.6	1.06		2-Hexanone	ND	1.6	1.06	
Carbon Disulfide	ND	2.1	1.06		Methyl-t-Butyl Ether (MTBE)	ND	2.1	1.06	
Carbon Tetrachloride	ND	0.53	1.06		Methylene Chloride	ND	5.3	1.06	
Chlorobenzene	ND	0.53	1.06		4-Methyl-2-Pentanone	ND	1.6	1.06	
Chloroethane	ND	0.53	1.06		o-Xylene	ND	0.53	1.06	
Chloroform	ND	0.53	1.06		p/m-Xylene	ND	2.1	1.06	
Chloromethane	0.74	0.53	1.06		Styrene	ND	1.6	1.06	
Dibromochloromethane	ND	0.53	1.06		Tetrachloroethene	ND	0.53	1.06	
Dichlorodifluoromethane	ND	0.53	1.06		Toluene	1.3	0.53	1.06	
1,1-Dichloroethane	ND	0.53	1.06		Trichloroethene	ND	0.53	1.06	
1,1-Dichloroethene	ND	0.53	1.06		Trichlorofluoromethane	ND	1.1	1.06	
1,2-Dibromoethane	ND	0.53	1.06		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.6	1.06	
Dichlorotetrafluoroethane	ND	2.1	1.06		1,1,1-Trichloroethane	ND	0.53	1.06	
1,2-Dichlorobenzene	ND	0.53	1.06		1,1,2-Trichloroethane	ND	0.53	1.06	
1,2-Dichloroethane	ND	0.53	1.06		1,3,5-Trimethylbenzene	ND	0.53	1.06	
1,2-Dichloropropane	ND	0.53	1.06		1,1,2,2-Tetrachloroethane	ND	1.1	1.06	
1,3-Dichlorobenzene	ND	0.53	1.06		1,2,4-Trimethylbenzene	ND	1.6	1.06	
1,4-Dichlorobenzene	ND	0.53	1.06		1,2,4-Trichlorobenzene	ND	2.1	1.06	
1,4-Dioxane	ND	11	1.06		Vinyl Acetate	ND	2.1	1.06	
c-1,3-Dichloropropene	ND	0.53	1.06		Vinyl Chloride	ND	0.53	1.06	
c-1,2-Dichloroethene	ND	0.53	1.06		Isopropanol	ND	5.3	1.06	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-31-24'_061212	**12-06-0894-7-A**	**06/12/12 16:48**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 06:26**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	40	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	1.6	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.50	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	4.9	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-32-24'_061212	**12-06-0894-8-A**	**06/12/12 16:33**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 16:46**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	50	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	4.3	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.59	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	230	2.6	5.12	
Dichlorodifluoromethane	0.55	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.3	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	109	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-33-24'_061212	**12-06-0894-9-A**	**06/12/12 16:23**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 17:37**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.54	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	420	2.5	5	
Dichlorodifluoromethane	ND	0.50	1		Toluene	0.54	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.7	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-34-24'_061212	**12-06-0894-10-A**	**06/12/12 11:28**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 14:24**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	160	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	88	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	17000	200	400	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	ND	20	40		Trichloroethene	720	20	40	
1,1-Dichloroethene	800	20	40		Trichlorofluoromethane	350	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	1100	60	40	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	ND	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	113	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	93	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 11 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-34-24'_061212K	**12-06-0894-11-A**	**06/12/12 11:33**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 15:08**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	ND	20	40	
Benzene	ND	20	40		t-1,3-Dichloropropene	ND	40	40	
Benzyl Chloride	ND	60	40		Ethylbenzene	ND	20	40	
Bromodichloromethane	ND	20	40		4-Ethyltoluene	ND	20	40	
Bromoform	ND	20	40		Hexachloro-1,3-Butadiene	ND	60	40	
Bromomethane	ND	20	40		Hexane	ND	80	40	
2-Butanone	ND	60	40		2-Hexanone	ND	60	40	
Carbon Disulfide	ND	80	40		Methyl-t-Butyl Ether (MTBE)	ND	80	40	
Carbon Tetrachloride	ND	20	40		Methylene Chloride	ND	200	40	
Chlorobenzene	ND	20	40		4-Methyl-2-Pentanone	ND	60	40	
Chloroethane	ND	20	40		o-Xylene	ND	20	40	
Chloroform	120	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	25000	400	800	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	ND	20	40		Trichloroethene	830	20	40	
1,1-Dichloroethene	840	20	40		Trichlorofluoromethane	290	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	760	60	40	
Dichlorotetrafluoroethane	ND	80	40		1,1,1-Trichloroethane	ND	20	40	
1,2-Dichlorobenzene	ND	20	40		1,1,2-Trichloroethane	ND	20	40	
1,2-Dichloroethane	ND	20	40		1,3,5-Trimethylbenzene	ND	20	40	
1,2-Dichloropropane	ND	20	40		1,1,2,2-Tetrachloroethane	ND	40	40	
1,3-Dichlorobenzene	ND	20	40		1,2,4-Trimethylbenzene	ND	60	40	
1,4-Dichlorobenzene	ND	20	40		1,2,4-Trichlorobenzene	ND	80	40	
1,4-Dioxane	ND	400	40		Vinyl Acetate	ND	80	40	
c-1,3-Dichloropropene	ND	20	40		Vinyl Chloride	ND	20	40	
c-1,2-Dichloroethene	ND	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	84	47-137	
Toluene-d8	86	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 12 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-35-24'_061212	**12-06-0894-12-A**	**06/12/12 12:03**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 18:30**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	35	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	1.0	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	350	2.5	5.06	
Dichlorodifluoromethane	ND	0.50	1		Toluene	0.82	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	9.5	0.50	1	
1,1-Dichloroethene	0.99	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	1.7	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 13 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-36-24'_061212	**12-06-0894-13-A**	**06/12/12 12:18**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 19:22**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	30	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.51	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	36	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	0.60	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	1.9	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 14 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-37-24'_061212	**12-06-0894-14-A**	**06/12/12 17:08**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 20:26**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	0.61	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	9.2	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	1.2	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 15 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-47-24'_061212	**12-06-0894-15-A**	**06/12/12 14:18**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 21:19**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	33	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.52	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	15	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	0.64	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	3.1	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	1.7	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 16 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-48-24'_061212	**12-06-0894-16-A**	**06/12/12 15:48**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 22:14**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	38	2.2	1.11		t-1,2-Dichloroethene	ND	0.56	1.11	
Benzene	ND	0.56	1.11		t-1,3-Dichloropropene	ND	1.1	1.11	
Benzyl Chloride	ND	1.7	1.11		Ethylbenzene	ND	0.56	1.11	
Bromodichloromethane	ND	0.56	1.11		4-Ethyltoluene	ND	0.56	1.11	
Bromoform	ND	0.56	1.11		Hexachloro-1,3-Butadiene	ND	1.7	1.11	
Bromomethane	ND	0.56	1.11		Hexane	ND	2.2	1.11	
2-Butanone	1.7	1.7	1.11		2-Hexanone	ND	1.7	1.11	
Carbon Disulfide	ND	2.2	1.11		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.11	
Carbon Tetrachloride	ND	0.56	1.11		Methylene Chloride	ND	5.6	1.11	
Chlorobenzene	ND	0.56	1.11		4-Methyl-2-Pentanone	ND	1.7	1.11	
Chloroethane	ND	0.56	1.11		o-Xylene	ND	0.56	1.11	
Chloroform	ND	0.56	1.11		p/m-Xylene	ND	2.2	1.11	
Chloromethane	ND	0.56	1.11		Styrene	ND	1.7	1.11	
Dibromochloromethane	ND	0.56	1.11		Tetrachloroethene	110	1.5	3.06	
Dichlorodifluoromethane	ND	0.56	1.11		Toluene	0.65	0.56	1.11	
1,1-Dichloroethane	ND	0.56	1.11		Trichloroethene	0.62	0.56	1.11	
1,1-Dichloroethene	ND	0.56	1.11		Trichlorofluoromethane	ND	1.1	1.11	
1,2-Dibromoethane	ND	0.56	1.11		1,1,2-Trichloro-1,2,2-Trifluoroethane	4.5	1.7	1.11	
Dichlorotetrafluoroethane	ND	2.2	1.11		1,1,1-Trichloroethane	ND	0.56	1.11	
1,2-Dichlorobenzene	ND	0.56	1.11		1,1,2-Trichloroethane	ND	0.56	1.11	
1,2-Dichloroethane	ND	0.56	1.11		1,3,5-Trimethylbenzene	ND	0.56	1.11	
1,2-Dichloropropane	ND	0.56	1.11		1,1,2,2-Tetrachloroethane	ND	1.1	1.11	
1,3-Dichlorobenzene	ND	0.56	1.11		1,2,4-Trimethylbenzene	ND	1.7	1.11	
1,4-Dichlorobenzene	ND	0.56	1.11		1,2,4-Trichlorobenzene	ND	2.2	1.11	
1,4-Dioxane	ND	11	1.11		Vinyl Acetate	ND	2.2	1.11	
c-1,3-Dichloropropene	ND	0.56	1.11		Vinyl Chloride	ND	0.56	1.11	
c-1,2-Dichloroethene	ND	0.56	1.11		Isopropanol	ND	5.6	1.11	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	104	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,181**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/18/12 13:40**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,185**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 13:29**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Bromomethane	ND	0.50	1		Hexane	ND	2.0	1	
2-Butanone	ND	1.5	1		2-Hexanone	ND	1.5	1	
Carbon Disulfide	ND	2.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.5	1	
Chloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
1,4-Dioxane	ND	10	1		Vinyl Acetate	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1		Isopropanol	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_FRR-VMP-3-12'_061212	**12-06-0894-1-A**	**06/12/12 13:58**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 00:59**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	140	5.4	1.13		t-1,2-Dichloroethene	ND	2.2	1.13	
Benzene	ND	1.8	1.13		t-1,3-Dichloropropene	ND	5.1	1.13	
Benzyl Chloride	ND	8.8	1.13		Ethylbenzene	4.2	2.5	1.13	
Bromodichloromethane	ND	3.8	1.13		4-Ethyltoluene	5.1	2.8	1.13	
Bromoform	ND	5.8	1.13		Hexachloro-1,3-Butadiene	ND	18	1.13	
Bromomethane	ND	2.2	1.13		Hexane	ND	8.0	1.13	
2-Butanone	31	5.0	1.13		2-Hexanone	ND	6.9	1.13	
Carbon Disulfide	ND	7.0	1.13		Methyl-t-Butyl Ether (MTBE)	ND	8.1	1.13	
Carbon Tetrachloride	ND	3.6	1.13		Methylene Chloride	ND	20	1.13	
Chlorobenzene	ND	2.6	1.13		4-Methyl-2-Pentanone	ND	6.9	1.13	
Chloroethane	ND	1.5	1.13		o-Xylene	ND	2.5	1.13	
Chloroform	ND	2.8	1.13		p/m-Xylene	14	9.8	1.13	
Chloromethane	3.6	1.2	1.13		Styrene	ND	7.2	1.13	
Dibromochloromethane	ND	4.8	1.13		Tetrachloroethene	290	3.8	1.13	
Dichlorodifluoromethane	ND	2.8	1.13		Toluene	ND	2.1	1.13	
1,1-Dichloroethane	ND	2.3	1.13		Trichloroethene	ND	3.0	1.13	
1,1-Dichloroethene	ND	2.2	1.13		Trichlorofluoromethane	ND	6.3	1.13	
1,2-Dibromoethane	ND	4.3	1.13		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	13	1.13	
Dichlorotetrafluoroethane	ND	16	1.13		1,1,1-Trichloroethane	ND	3.1	1.13	
1,2-Dichlorobenzene	ND	3.4	1.13		1,1,2-Trichloroethane	ND	3.1	1.13	
1,2-Dichloroethane	ND	2.3	1.13		1,3,5-Trimethylbenzene	5.9	2.8	1.13	
1,2-Dichloropropane	ND	2.6	1.13		1,1,2,2-Tetrachloroethane	ND	7.8	1.13	
1,3-Dichlorobenzene	ND	3.4	1.13		1,2,4-Trimethylbenzene	20	8.3	1.13	
1,4-Dichlorobenzene	ND	3.4	1.13		1,2,4-Trichlorobenzene	ND	17	1.13	
1,4-Dioxane	ND	41	1.13		Vinyl Acetate	17	8.0	1.13	
c-1,3-Dichloropropene	ND	2.6	1.13		Vinyl Chloride	ND	1.4	1.13	
c-1,2-Dichloroethene	ND	2.2	1.13		Isopropanol	ND	14	1.13	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_FRR-VMP-5-12'_061212	**12-06-0894-2-A**	**06/12/12 13:43**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 01:53**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	62	5.3	1.12		t-1,2-Dichloroethene	ND	2.2	1.12	
Benzene	ND	1.8	1.12		t-1,3-Dichloropropene	ND	5.1	1.12	
Benzyl Chloride	ND	8.7	1.12		Ethylbenzene	ND	2.4	1.12	
Bromodichloromethane	ND	3.8	1.12		4-Ethyltoluene	ND	2.8	1.12	
Bromoform	ND	5.8	1.12		Hexachloro-1,3-Butadiene	ND	18	1.12	
Bromomethane	ND	2.2	1.12		Hexane	ND	7.9	1.12	
2-Butanone	ND	5.0	1.12		2-Hexanone	ND	6.9	1.12	
Carbon Disulfide	ND	7.0	1.12		Methyl-t-Butyl Ether (MTBE)	ND	8.1	1.12	
Carbon Tetrachloride	ND	3.5	1.12		Methylene Chloride	ND	19	1.12	
Chlorobenzene	ND	2.6	1.12		4-Methyl-2-Pentanone	ND	6.9	1.12	
Chloroethane	ND	1.5	1.12		o-Xylene	ND	2.4	1.12	
Chloroform	ND	2.7	1.12		p/m-Xylene	ND	9.7	1.12	
Chloromethane	ND	1.2	1.12		Styrene	ND	7.2	1.12	
Dibromochloromethane	ND	4.8	1.12		Tetrachloroethene	560	3.8	1.12	
Dichlorodifluoromethane	ND	2.8	1.12		Toluene	ND	2.1	1.12	
1,1-Dichloroethane	ND	2.3	1.12		Trichloroethene	25	3.0	1.12	
1,1-Dichloroethene	8.1	2.2	1.12		Trichlorofluoromethane	ND	6.3	1.12	
1,2-Dibromoethane	ND	4.3	1.12		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	13	1.12	
Dichlorotetrafluoroethane	ND	16	1.12		1,1,1-Trichloroethane	ND	3.1	1.12	
1,2-Dichlorobenzene	ND	3.4	1.12		1,1,2-Trichloroethane	ND	3.1	1.12	
1,2-Dichloroethane	ND	2.3	1.12		1,3,5-Trimethylbenzene	ND	2.8	1.12	
1,2-Dichloropropane	ND	2.6	1.12		1,1,2,2-Tetrachloroethane	ND	7.7	1.12	
1,3-Dichlorobenzene	ND	3.4	1.12		1,2,4-Trimethylbenzene	ND	8.3	1.12	
1,4-Dichlorobenzene	ND	3.4	1.12		1,2,4-Trichlorobenzene	ND	17	1.12	
1,4-Dioxane	ND	40	1.12		Vinyl Acetate	ND	7.9	1.12	
c-1,3-Dichloropropene	ND	2.5	1.12		Vinyl Chloride	ND	1.4	1.12	
c-1,2-Dichloroethene	ND	2.2	1.12		Isopropanol	ND	14	1.12	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_FRR-VMP-13-12'_061212	**12-06-0894-3-A**	**06/12/12 13:28**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 02:47**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	84	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	2.5	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	5.0	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	780	23	6.9	
Dichlorodifluoromethane	ND	2.5	1		Toluene	2.9	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	44	2.7	1	
1,1-Dichloroethene	23	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	2.5	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	12	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-28-24'_061212	**12-06-0894-4-A**	**06/12/12 16:13**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 03:42**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	160	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	5.2	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	4.4	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	9.7	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	2.0	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2300	50	14.8	
Dichlorodifluoromethane	ND	2.5	1		Toluene	3.7	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	14	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	43	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-29-24'_061212	**12-06-0894-5-A**	**06/12/12 13:08**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 04:37**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	160	5.2	1.1		t-1,2-Dichloroethene	ND	2.2	1.1	
Benzene	2.5	1.8	1.1		t-1,3-Dichloropropene	ND	5.0	1.1	
Benzyl Chloride	ND	8.5	1.1		Ethylbenzene	ND	2.4	1.1	
Bromodichloromethane	ND	3.7	1.1		4-Ethyltoluene	ND	2.7	1.1	
Bromoform	ND	5.7	1.1		Hexachloro-1,3-Butadiene	ND	18	1.1	
Bromomethane	ND	2.1	1.1		Hexane	ND	7.8	1.1	
2-Butanone	7.5	4.9	1.1		2-Hexanone	ND	6.8	1.1	
Carbon Disulfide	ND	6.9	1.1		Methyl-t-Butyl Ether (MTBE)	ND	7.9	1.1	
Carbon Tetrachloride	ND	3.5	1.1		Methylene Chloride	ND	19	1.1	
Chlorobenzene	ND	2.5	1.1		4-Methyl-2-Pentanone	ND	6.8	1.1	
Chloroethane	ND	1.5	1.1		o-Xylene	ND	2.4	1.1	
Chloroform	27	2.7	1.1		p/m-Xylene	ND	9.6	1.1	
Chloromethane	1.4	1.1	1.1		Styrene	ND	7.0	1.1	
Dibromochloromethane	ND	4.7	1.1		Tetrachloroethene	7100	100	29.5	
Dichlorodifluoromethane	ND	2.7	1.1		Toluene	3.7	2.1	1.1	
1,1-Dichloroethane	3.4	2.2	1.1		Trichloroethene	250	3.0	1.1	
1,1-Dichloroethene	43	2.2	1.1		Trichlorofluoromethane	ND	6.2	1.1	
1,2-Dibromoethane	ND	4.2	1.1		1,1,2-Trichloro-1,2,2-Trifluoroethane	15	13	1.1	
Dichlorotetrafluoroethane	ND	15	1.1		1,1,1-Trichloroethane	ND	3.0	1.1	
1,2-Dichlorobenzene	ND	3.3	1.1		1,1,2-Trichloroethane	ND	3.0	1.1	
1,2-Dichloroethane	ND	2.2	1.1		1,3,5-Trimethylbenzene	ND	2.7	1.1	
1,2-Dichloropropane	ND	2.5	1.1		1,1,2,2-Tetrachloroethane	ND	7.6	1.1	
1,3-Dichlorobenzene	ND	3.3	1.1		1,2,4-Trimethylbenzene	9.6	8.1	1.1	
1,4-Dichlorobenzene	ND	3.3	1.1		1,2,4-Trichlorobenzene	ND	16	1.1	
1,4-Dioxane	ND	40	1.1		Vinyl Acetate	ND	7.7	1.1	
c-1,3-Dichloropropene	ND	2.5	1.1		Vinyl Chloride	ND	1.4	1.1	
c-1,2-Dichloroethene	ND	2.2	1.1		Isopropanol	ND	14	1.1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-30-24'_061212	**12-06-0894-6-A**	**06/12/12 12:43**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 05:32**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	98	5.0	1.06		t-1,2-Dichloroethene	ND	2.1	1.06	
Benzene	2.0	1.7	1.06		t-1,3-Dichloropropene	ND	4.8	1.06	
Benzyl Chloride	ND	8.2	1.06		Ethylbenzene	ND	2.3	1.06	
Bromodichloromethane	ND	3.6	1.06		4-Ethyltoluene	ND	2.6	1.06	
Bromoform	ND	5.5	1.06		Hexachloro-1,3-Butadiene	ND	17	1.06	
Bromomethane	ND	2.1	1.06		Hexane	ND	7.5	1.06	
2-Butanone	4.7	4.7	1.06		2-Hexanone	ND	6.5	1.06	
Carbon Disulfide	ND	6.6	1.06		Methyl-t-Butyl Ether (MTBE)	ND	7.6	1.06	
Carbon Tetrachloride	ND	3.3	1.06		Methylene Chloride	ND	18	1.06	
Chlorobenzene	ND	2.4	1.06		4-Methyl-2-Pentanone	ND	6.5	1.06	
Chloroethane	ND	1.4	1.06		o-Xylene	ND	2.3	1.06	
Chloroform	ND	2.6	1.06		p/m-Xylene	ND	9.2	1.06	
Chloromethane	1.5	1.1	1.06		Styrene	ND	6.8	1.06	
Dibromochloromethane	ND	4.5	1.06		Tetrachloroethene	ND	3.6	1.06	
Dichlorodifluoromethane	ND	2.6	1.06		Toluene	4.7	2.0	1.06	
1,1-Dichloroethane	ND	2.1	1.06		Trichloroethene	ND	2.8	1.06	
1,1-Dichloroethene	ND	2.1	1.06		Trichlorofluoromethane	ND	6.0	1.06	
1,2-Dibromoethane	ND	4.1	1.06		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	12	1.06	
Dichlorotetrafluoroethane	ND	15	1.06		1,1,1-Trichloroethane	ND	2.9	1.06	
1,2-Dichlorobenzene	ND	3.2	1.06		1,1,2-Trichloroethane	ND	2.9	1.06	
1,2-Dichloroethane	ND	2.1	1.06		1,3,5-Trimethylbenzene	ND	2.6	1.06	
1,2-Dichloropropane	ND	2.4	1.06		1,1,2,2-Tetrachloroethane	ND	7.3	1.06	
1,3-Dichlorobenzene	ND	3.2	1.06		1,2,4-Trimethylbenzene	ND	7.8	1.06	
1,4-Dichlorobenzene	ND	3.2	1.06		1,2,4-Trichlorobenzene	ND	16	1.06	
1,4-Dioxane	ND	38	1.06		Vinyl Acetate	ND	7.5	1.06	
c-1,3-Dichloropropene	ND	2.4	1.06		Vinyl Chloride	ND	1.4	1.06	
c-1,2-Dichloroethene	ND	2.1	1.06		Isopropanol	ND	13	1.06	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-31-24'_061212	**12-06-0894-7-A**	**06/12/12 16:48**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 06:26**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	94	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	4.8	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.0	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	33	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-32-24'_061212	**12-06-0894-8-A**	**06/12/12 16:33**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 16:46**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	120	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	13	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.2	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	1600	17	5.12	
Dichlorodifluoromethane	2.7	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	6.8	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	109	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 9 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-33-24'_061212	**12-06-0894-9-A**	**06/12/12 16:23**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 17:37**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	37	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.1	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2800	17	5	
Dichlorodifluoromethane	ND	2.5	1		Toluene	2.0	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	9.1	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	94	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-34-24'_061212	**12-06-0894-10-A**	**06/12/12 11:28**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 14:24**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	390	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	430	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	120000	1400	400	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	ND	81	40		Trichloroethene	3900	110	40	
1,1-Dichloroethene	3200	79	40		Trichlorofluoromethane	1900	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	8200	460	40	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	ND	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	113	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	93	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 11 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-34-24'_061212K	**12-06-0894-11-A**	**06/12/12 11:33**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 15:08**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	190	40		t-1,2-Dichloroethene	ND	79	40	
Benzene	ND	64	40		t-1,3-Dichloropropene	ND	180	40	
Benzyl Chloride	ND	310	40		Ethylbenzene	ND	87	40	
Bromodichloromethane	ND	130	40		4-Ethyltoluene	ND	98	40	
Bromoform	ND	210	40		Hexachloro-1,3-Butadiene	ND	640	40	
Bromomethane	ND	78	40		Hexane	ND	280	40	
2-Butanone	ND	180	40		2-Hexanone	ND	250	40	
Carbon Disulfide	ND	250	40		Methyl-t-Butyl Ether (MTBE)	ND	290	40	
Carbon Tetrachloride	ND	130	40		Methylene Chloride	ND	690	40	
Chlorobenzene	ND	92	40		4-Methyl-2-Pentanone	ND	250	40	
Chloroethane	ND	53	40		o-Xylene	ND	87	40	
Chloroform	590	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	170000	2700	800	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	ND	81	40		Trichloroethene	4500	110	40	
1,1-Dichloroethene	3300	79	40		Trichlorofluoromethane	1600	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	5800	460	40	
Dichlorotetrafluoroethane	ND	560	40		1,1,1-Trichloroethane	ND	110	40	
1,2-Dichlorobenzene	ND	120	40		1,1,2-Trichloroethane	ND	110	40	
1,2-Dichloroethane	ND	81	40		1,3,5-Trimethylbenzene	ND	98	40	
1,2-Dichloropropane	ND	92	40		1,1,2,2-Tetrachloroethane	ND	270	40	
1,3-Dichlorobenzene	ND	120	40		1,2,4-Trimethylbenzene	ND	290	40	
1,4-Dichlorobenzene	ND	120	40		1,2,4-Trichlorobenzene	ND	590	40	
1,4-Dioxane	ND	1400	40		Vinyl Acetate	ND	280	40	
c-1,3-Dichloropropene	ND	91	40		Vinyl Chloride	ND	51	40	
c-1,2-Dichloroethene	ND	79	40		Isopropanol	ND	490	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	112	57-129		1,2-Dichloroethane-d4	84	47-137	
Toluene-d8	86	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-35-24'_061212	**12-06-0894-12-A**	**06/12/12 12:03**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 18:30**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	84	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	4.9	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2400	17	5.06	
Dichlorodifluoromethane	ND	2.5	1		Toluene	3.1	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	51	2.7	1	
1,1-Dichloroethene	3.9	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	8.4	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-36-24'_061212	**12-06-0894-13-A**	**06/12/12 12:18**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 19:22**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	72	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	2.5	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	250	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	2.3	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	9.4	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-37-24'_061212	**12-06-0894-14-A**	**06/12/12 17:08**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 20:26**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	69	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	3.0	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	63	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	4.4	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	86	47-137	
Toluene-d8	97	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-47-24'_061212	**12-06-0894-15-A**	**06/12/12 14:18**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 21:19**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	79	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.1	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	100	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	2.4	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	16	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	8.5	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	87	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 16 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VMP-48-24'_061212	**12-06-0894-16-A**	**06/12/12 15:48**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 22:14**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	89	5.3	1.11		t-1,2-Dichloroethene	ND	2.2	1.11	
Benzene	ND	1.8	1.11		t-1,3-Dichloropropene	ND	5.0	1.11	
Benzyl Chloride	ND	8.6	1.11		Ethylbenzene	ND	2.4	1.11	
Bromodichloromethane	ND	3.7	1.11		4-Ethyltoluene	ND	2.7	1.11	
Bromoform	ND	5.7	1.11		Hexachloro-1,3-Butadiene	ND	18	1.11	
Bromomethane	ND	2.2	1.11		Hexane	ND	7.8	1.11	
2-Butanone	5.1	4.9	1.11		2-Hexanone	ND	6.8	1.11	
Carbon Disulfide	ND	6.9	1.11		Methyl-t-Butyl Ether (MTBE)	ND	8.0	1.11	
Carbon Tetrachloride	ND	3.5	1.11		Methylene Chloride	ND	19	1.11	
Chlorobenzene	ND	2.6	1.11		4-Methyl-2-Pentanone	ND	6.8	1.11	
Chloroethane	ND	1.5	1.11		o-Xylene	ND	2.4	1.11	
Chloroform	ND	2.7	1.11		p/m-Xylene	ND	9.6	1.11	
Chloromethane	ND	1.1	1.11		Styrene	ND	7.1	1.11	
Dibromochloromethane	ND	4.7	1.11		Tetrachloroethene	720	10	3.06	
Dichlorodifluoromethane	ND	2.7	1.11		Toluene	2.5	2.1	1.11	
1,1-Dichloroethane	ND	2.2	1.11		Trichloroethene	3.4	3.0	1.11	
1,1-Dichloroethene	ND	2.2	1.11		Trichlorofluoromethane	ND	6.2	1.11	
1,2-Dibromoethane	ND	4.3	1.11		1,1,2-Trichloro-1,2,2-Trifluoroethane	34	13	1.11	
Dichlorotetrafluoroethane	ND	16	1.11		1,1,1-Trichloroethane	ND	3.0	1.11	
1,2-Dichlorobenzene	ND	3.3	1.11		1,1,2-Trichloroethane	ND	3.0	1.11	
1,2-Dichloroethane	ND	2.2	1.11		1,3,5-Trimethylbenzene	ND	2.7	1.11	
1,2-Dichloropropane	ND	2.6	1.11		1,1,2,2-Tetrachloroethane	ND	7.6	1.11	
1,3-Dichlorobenzene	ND	3.3	1.11		1,2,4-Trimethylbenzene	ND	8.2	1.11	
1,4-Dichlorobenzene	ND	3.3	1.11		1,2,4-Trichlorobenzene	ND	16	1.11	
1,4-Dioxane	ND	40	1.11		Vinyl Acetate	ND	7.8	1.11	
c-1,3-Dichloropropene	ND	2.5	1.11		Vinyl Chloride	ND	1.4	1.11	
c-1,2-Dichloroethene	ND	2.2	1.11		Isopropanol	ND	14	1.11	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	104	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,181**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/18/12 13:40**	**120618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	06/13/12
1322 Scott Street, Suite 104		Work Order No:	12-06-0894
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Omega - SVE

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-10,185**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**06/19/12 13:29**	**120619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	ND	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	ND	2.2	1	
Bromodichloromethane	ND	3.4	1		4-Ethyltoluene	ND	2.5	1	
Bromoform	ND	5.2	1		Hexachloro-1,3-Butadiene	ND	16	1	
Bromomethane	ND	1.9	1		Hexane	ND	7.0	1	
2-Butanone	ND	4.4	1		2-Hexanone	ND	6.1	1	
Carbon Disulfide	ND	6.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Carbon Tetrachloride	ND	3.1	1		Methylene Chloride	ND	17	1	
Chlorobenzene	ND	2.3	1		4-Methyl-2-Pentanone	ND	6.1	1	
Chloroethane	ND	1.3	1		o-Xylene	ND	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	ND	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	ND	2.5	1	
1,2-Dichloropropane	ND	2.3	1		1,1,2,2-Tetrachloroethane	ND	6.9	1	
1,3-Dichlorobenzene	ND	3.0	1		1,2,4-Trimethylbenzene	ND	7.4	1	
1,4-Dichlorobenzene	ND	3.0	1		1,2,4-Trichlorobenzene	ND	15	1	
1,4-Dioxane	ND	36	1		Vinyl Acetate	ND	7.0	1	
c-1,3-Dichloropropene	ND	2.3	1		Vinyl Chloride	ND	1.3	1	
c-1,2-Dichloroethene	ND	2.0	1		Isopropanol	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0894
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,181	**Air**	**GC/MS YY**	**N/A**	**06/18/12**	**120618L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	20.53	82	20.72	83	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	19.51	78	19.63	79	50-150	33-167	1	0-35	
Acetone	25.00	23.30	93	23.02	92	50-150	33-167	1	0-35	
Benzene	25.00	24.63	99	24.54	98	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	22.95	92	21.88	88	50-150	33-167	5	0-35	
Bromodichloromethane	25.00	23.09	92	22.85	91	50-150	33-167	1	0-35	
Bromoform	25.00	22.21	89	22.32	89	62-134	50-146	0	0-38	
Bromomethane	25.00	22.21	89	21.94	88	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	23.20	93	23.00	92	50-150	33-167	1	0-35	
2-Butanone	25.00	24.14	97	24.07	96	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	24.65	99	24.49	98	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	22.13	89	21.89	88	64-154	49-169	1	0-32	
Chlorobenzene	25.00	23.45	94	23.66	95	50-150	33-167	1	0-35	
Chloroethane	25.00	23.16	93	23.00	92	50-150	33-167	1	0-35	
Chloroform	25.00	22.33	89	22.35	89	50-150	33-167	0	0-35	
Chloromethane	25.00	23.86	95	23.59	94	50-150	33-167	1	0-35	
Cyclohexane	25.00	24.50	98	24.37	97	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	23.76	95	23.73	95	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	20.60	82	20.29	81	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	25.00	23.17	93	22.99	92	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	23.46	94	23.51	94	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	23.01	92	22.75	91	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	23.62	94	23.72	95	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	21.45	86	21.24	85	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	19.78	79	18.94	76	34-160	13-181	4	0-47	
1,2-Dichloroethane	25.00	21.42	86	21.24	85	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	24.44	98	24.55	98	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	25.00	19.17	77	18.86	75	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	18.93	76	18.56	74	36-156	16-176	2	0-47	
1,4-Dioxane	25.00	28.73	115	28.20	113	50-150	33-167	2	0-35	
c-1,3-Dichloropropene	25.00	24.13	97	23.98	96	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	24.63	99	24.67	99	50-150	33-167	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0894
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,181	**Air**	**GC/MS YY**	**N/A**	**06/18/12**	**120618L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	24.66	99	24.47	98	50-150	33-167	1	0-35	
t-1,3-Dichloropropene	25.00	23.43	94	23.24	93	50-150	33-167	1	0-35	
Ethanol	100.0	91.90	92	90.20	90	50-150	33-167	2	0-35	
Ethyl Acetate	25.00	25.54	102	25.37	101	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	21.92	88	22.18	89	50-150	33-167	1	0-35	
Ethylbenzene	25.00	22.98	92	23.26	93	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	19.67	79	19.75	79	50-150	33-167	0	0-35	
Heptane	25.00	24.71	99	24.59	98	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	23.34	93	23.47	94	50-150	33-167	1	0-35	
Hexane	25.00	24.05	96	24.12	96	50-150	33-167	0	0-35	
2-Hexanone	25.00	26.27	105	26.43	106	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	21.74	87	22.12	88	50-150	33-167	2	0-35	
Methylene Chloride	25.00	23.68	95	23.53	94	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	24.69	99	24.41	98	50-150	33-167	1	0-35	
Naphthalene	25.00	26.05	104	26.31	105	40-190	15-215	1	0-35	
o-Xylene	25.00	22.10	88	22.25	89	52-148	36-164	1	0-38	
p/m-Xylene	50.00	44.94	90	45.26	91	42-156	23-175	1	0-41	
Propene	25.00	24.13	97	23.72	95	50-150	33-167	2	0-35	
Styrene	25.00	22.79	91	23.05	92	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	21.00	84	21.11	84	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	45.94	92	45.76	92	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	24.43	98	24.55	98	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	24.79	99	24.70	99	50-150	33-167	0	0-35	
Toluene	25.00	24.58	98	24.71	99	56-146	41-161	1	0-43	
Trichloroethene	25.00	23.70	95	23.52	94	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	21.42	86	21.06	84	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	23.62	94	23.42	94	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	21.76	87	21.44	86	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	23.66	95	23.53	94	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	20.34	81	20.44	82	50-150	33-167	0	0-35	
Acrolein	25.00	25.09	100	24.90	100	50-150	33-167	1	0-35	
Acrylonitrile	25.00	25.23	101	24.96	100	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0894
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,181	**Air**	**GC/MS YY**	**N/A**	**06/18/12**	**120618L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	24.55	98	24.52	98	50-150	33-167	0	0-35	
Propane	50.00	47.09	94	46.09	92	50-150	33-167	2	0-35	
Butane	50.00	46.48	93	46.04	92	50-150	33-167	1	0-35	
Methanol	75.00	80.44	107	77.52	103	50-150	33-167	4	0-35	
2,2,4-Trimethyl Pentane	25.00	24.49	98	24.32	97	50-150	33-167	1	0-35	
Isobutane	50.00	47.00	94	46.55	93	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	23.94	96	23.72	95	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	19.52	78	19.43	78	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	22.04	88	21.97	88	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	19.58	78	19.24	77	50-150	33-167	2	0-35	
1,2,4-Trichlorobenzene	25.00	27.10	108	27.23	109	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	24.23	97	24.07	96	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	22.94	92	22.75	91	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	24.12	96	23.72	95	50-150	33-167	2	0-35	
Isopropanol	25.00	26.05	104	25.56	102	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	19.94	80	20.14	81	50-150	33-167	1	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
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

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0894
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,185	**Air**	**GC/MS YY**	**N/A**	**06/19/12**	**120619L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	22.57	90	22.29	89	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	22.43	90	21.26	85	50-150	33-167	5	0-35	
Acetone	25.00	24.88	100	25.35	101	50-150	33-167	2	0-35	
Benzene	25.00	26.67	107	26.78	107	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	27.39	110	22.78	91	50-150	33-167	18	0-35	
Bromodichloromethane	25.00	24.41	98	24.36	97	50-150	33-167	0	0-35	
Bromoform	25.00	23.68	95	23.52	94	62-134	50-146	1	0-38	
Bromomethane	25.00	23.43	94	23.96	96	50-150	33-167	2	0-35	
1,3-Butadiene	25.00	24.38	98	25.06	100	50-150	33-167	3	0-35	
2-Butanone	25.00	25.33	101	25.61	102	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	26.23	105	26.60	106	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	23.13	93	22.98	92	64-154	49-169	1	0-32	
Chlorobenzene	25.00	25.34	101	25.35	101	50-150	33-167	0	0-35	
Chloroethane	25.00	24.51	98	24.93	100	50-150	33-167	2	0-35	
Chloroform	25.00	23.79	95	23.98	96	50-150	33-167	1	0-35	
Chloromethane	25.00	24.82	99	24.99	100	50-150	33-167	1	0-35	
Cyclohexane	25.00	26.22	105	26.16	105	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	24.93	100	24.76	99	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	21.58	86	21.75	87	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	24.67	99	24.57	98	50-150	33-167	0	0-35	
1,1-Dichloroethane	25.00	25.05	100	25.37	101	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	24.10	96	24.29	97	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	25.05	100	25.14	101	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	22.62	90	22.60	90	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	26.41	106	20.63	83	34-160	13-181	25	0-47	
1,2-Dichloroethane	25.00	22.49	90	22.90	92	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	26.39	106	27.01	108	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	24.95	100	20.64	83	50-150	33-167	19	0-35	
1,4-Dichlorobenzene	25.00	25.64	103	20.16	81	36-156	16-176	24	0-47	
1,4-Dioxane	25.00	29.64	119	32.55	130	50-150	33-167	9	0-35	
c-1,3-Dichloropropene	25.00	25.90	104	26.06	104	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	26.59	106	26.86	107	50-150	33-167	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0894
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,185	**Air**	**GC/MS YY**	**N/A**	**06/19/12**	**120619L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,2-Dichloroethene	25.00	26.39	106	26.35	105	50-150	33-167	0	0-35	
t-1,3-Dichloropropene	25.00	24.93	100	25.44	102	50-150	33-167	2	0-35	
Ethanol	100.0	93.62	94	102.0	102	50-150	33-167	9	0-35	
Ethyl Acetate	25.00	27.43	110	27.36	109	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	23.95	96	24.33	97	50-150	33-167	2	0-35	
Ethylbenzene	25.00	24.64	99	24.72	99	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	23.59	94	21.44	86	50-150	33-167	10	0-35	
Heptane	25.00	26.72	107	26.85	107	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	24.36	97	24.45	98	50-150	33-167	0	0-35	
Hexane	25.00	25.81	103	25.97	104	50-150	33-167	1	0-35	
2-Hexanone	25.00	27.54	110	27.43	110	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	23.93	96	24.47	98	50-150	33-167	2	0-35	
Methylene Chloride	25.00	25.39	102	25.61	102	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	26.33	105	26.53	106	50-150	33-167	1	0-35	
Naphthalene	25.00	27.20	109	27.92	112	40-190	15-215	3	0-35	
o-Xylene	25.00	23.85	95	23.97	96	52-148	36-164	1	0-38	
p/m-Xylene	50.00	48.36	97	48.39	97	42-156	23-175	0	0-41	
Propene	25.00	25.37	101	26.14	105	50-150	33-167	3	0-35	
Styrene	25.00	24.90	100	24.91	100	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	23.71	95	23.67	95	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	49.16	98	50.46	101	50-150	33-167	3	0-35	
Tetrachloroethene	25.00	26.11	104	25.90	104	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	26.07	104	26.40	106	50-150	33-167	1	0-35	
Toluene	25.00	26.47	106	26.68	107	56-146	41-161	1	0-43	
Trichloroethene	25.00	25.31	101	25.42	102	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	22.34	89	22.53	90	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	24.97	100	25.28	101	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	23.00	92	22.83	91	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	25.53	102	26.30	105	65-149	51-163	3	0-37	
1,2,3-Trichloropropane	25.00	23.13	93	21.82	87	50-150	33-167	6	0-35	
Acrolein	25.00	26.47	106	26.78	107	50-150	33-167	1	0-35	
Acrylonitrile	25.00	26.59	106	27.04	108	50-150	33-167	2	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received: N/A
Work Order No: 12-06-0894
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-10,185	**Air**	**GC/MS YY**	**N/A**	**06/19/12**	**120619L01**

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl Methacrylate	25.00	26.61	106	26.78	107	50-150	33-167	1	0-35	
Propane	50.00	50.23	100	52.49	105	50-150	33-167	4	0-35	
Butane	50.00	48.67	97	49.95	100	50-150	33-167	3	0-35	
Methanol	75.00	81.19	108	86.53	115	50-150	33-167	6	0-35	
2,2,4-Trimethyl Pentane	25.00	26.07	104	26.11	104	50-150	33-167	0	0-35	
Isobutane	50.00	49.13	98	49.04	98	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	25.00	25.44	102	25.56	102	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	24.40	98	21.06	84	50-150	33-167	15	0-35	
1,1,2,2-Tetrachloroethane	25.00	25.12	100	23.74	95	50-150	33-167	6	0-35	
1,2,4-Trimethylbenzene	25.00	25.53	102	20.98	84	50-150	33-167	20	0-35	
1,2,4-Trichlorobenzene	25.00	28.36	113	28.30	113	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	25.21	101	25.53	102	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	24.20	97	24.22	97	45-177	23-199	0	0-36	
1,1-Difluoroethane	25.00	25.09	100	25.18	101	50-150	33-167	0	0-35	
Isopropanol	25.00	26.79	107	28.01	112	50-150	33-167	4	0-35	
2-Chlorotoluene	25.00	22.26	89	21.70	87	50-150	33-167	3	0-35	

Total number of LCS compounds : 80
Total number of ME compounds : 0
Total number of ME compounds allowed : 4
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-06-0894**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_FRR-VMP-3-12'_061212	-5.00	-29.70	LC487	Summa Canister 1L
OC_SVE2_FRR-VMP-5-12'_061212	-5.00	-29.80	LC236	Summa Canister 1L
OC_SVE2_FRR-VMP-13-12'_061212	-5.00	-29.80	LC310	Summa Canister 1L
OC_SVE2_VMP-28-24'_061212	-5.00	-29.70	LC122	Summa Canister 1L
OC_SVE2_VMP-29-24'_061212	-5.00	-29.60	LC474	Summa Canister 1L
OC_SVE2_VMP-30-24'_061212	-5.00	-29.70	LC392	Summa Canister 1L
OC_SVE2_VMP-31-24'_061212	-2.00	-29.80	LC334	Summa Canister 1L
OC_SVE2_VMP-32-24'_061212	-5.00	-29.70	LC414	Summa Canister 1L
OC_SVE2_VMP-33-24'_061212	-5.00	-29.80	LC169	Summa Canister 1L
OC_SVE2_VMP-34-24'_061212	-5.00	-29.80	LC418	Summa Canister 1L
OC_SVE2_VMP-34-24'_061212K	-5.00	-29.80	LC465	Summa Canister 1L
OC_SVE2_VMP-35-24'_061212	-5.00	-29.70	LC013	Summa Canister 1L
OC_SVE2_VMP-36-24'_061212	-5.00	-29.80	LC156	Summa Canister 1L
OC_SVE2_VMP-37-24'_061212	-5.00	-29.70	LC245	Summa Canister 1L
OC_SVE2_VMP-47-24'_061212	-5.00	-29.80	LC520	Summa Canister 1L
OC_SVE2_VMP-48-24'_061212	-5.00	-29.70	LC074	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-06-0894

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.
MPN - Most Probable Number

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 06/12/12
PAGE: 1 OF 2

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-06-0894

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS
SAMPLER(S): (NAME / SIGNATURE)
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ■ EDD
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)				
1	OC_SVE2_FRR-VMP-3-12'_061212		SV	LC487	1L	A296	6/12/2012	1350	-30	6/12/2012	1358	-5	x				
2	OC_SVE2_FRR-VMP-5-12'_061212		SV	LC236	1L	A41	6/12/2012	1335	-30	6/12/2012	1343	-5	x				
3	OC_SVE2_FRR-VMP-13-12'_061212		SV	LC310	1L	A170	6/12/2012	1320	-30	6/12/2012	1328	-5	x				
4	OC_SVE2_VMP-28-24'_061212		SV	LC122	1L	A322	6/12/2012	1605	-30	6/12/2012	1613	-5	x				
5	OC_SVE2_VMP-29-24'_061212		SV	LC474	1L	A106	6/12/2012	1255	-30	6/12/2012	1308	-5	x				
6	OC_SVE2_VMP-30-24'_061212		SV	LC392	1L	A100	6/12/2012	1235	-30	6/12/2012	1243	-5	x				
7	OC_SVE2_VMP-31-24'_061212		SV	LC334	1L	A92	6/12/2012	1640	-30	6/12/2012	1648	-5	x				
8	OC_SVE2_VMP-32-24'_061212		SV	LC414	1L	A36	6/12/2012	1625	-30	6/12/2012	1633	-5	x				
9	OC_SVE2_VMP-33-24'_061212		SV	LC169	1L	A361	6/12/2012	1615	-30	6/12/2012	1623	-5	x				
10	OC_SVE2_VMP-34-24'_061212		SV	LC418	1L	A378	6/12/2012	1120	-30	6/12/2012	1128	-5	x				
11	OC_SVE2_VMP-34-24'_061212K		SV	LC465	1L	A341	6/12/2012	1125	-30	6/12/2012	1133	-5	x				
12																	
13																	
14																	
15																	

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12/01/11 Revision

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 06/12/12
PAGE: 2 OF 2

LABORATORY CLIENT: de maximis
ADDRESS: 1322 Scott St., Suite 104
CITY: San Diego STATE: CA ZIP: 92106
TEL: (562) 756-8149 EMAIL: jdinello@demaximis.com

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@jacobandhefner.com

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 06-0894

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr.

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ■ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15 (TAL 2.4)

	LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment Info: Canister ID#	Canister Size 6L or 1L	Flow Controller ID#	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	TO-15 (TAL 2.4)
12	1	OC_SVE2_VMP-35-24'_061212		SV	LC013	1L	A212	6/12/2012	1155	-30	6/12/2012	1203	-5	x
13	2	OC_SVE2_VMP-36-24'_061212		SV	LC156	1L	A04	6/12/2012	1210	-30	6/12/2012	1218	-5	x
14	3	OC_SVE2_VMP-37-24'_061212		SV	LC245	1L	A334	6/12/2012	1700	-30	6/12/2012	1708	-5	x
15	4	OC_SVE2_VMP-47-24'_061212		SV	1446	1L	A283	6/12/2012	1410	-30	6/12/2012	1418	-5	x
16	5	OC_SVE2_VMP-48-24'_061212		SV	LC074	1L	A219	6/12/2012	1540	-30	6/12/2012	1548	-5	x
~~17~~	6													
	7													
	8													
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[signature]	[signature]	6/13/12	1715

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-06-0894

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DEMAXIMIS

DATE: 06/13/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °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:** AY

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** YC

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:** YC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YC

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:** YC