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May 2, 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: March 2012 Short Term Mitigation Air Sampling Report Submittal,
Omega Chemical Superfund Site, Whittier, California

Dear Ms. Deschambault:

Enclosed is the March 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 March 2012 as well as information related to the Subslab Depressurization (SSD) and Interim Soil Vapor Extraction (ISVE) Systems for the First 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
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CDM Smith
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May 1, 2012

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

Subject: Short Term Mitigation Air Sampling Report for March 2012
Omega Chemical Superfund Site
CDM Smith Project No: 10500-90421.OSS.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 March 2012 sampling event. This report includes the analytical results for the monthly, quarterly and semiannual indoor air quality (IAQ) sampling, describes short-term mitigation measures in place, any changes or alterations, dates of operation, and recommended changes. Also, 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 1st Quarter 2012 (January 1 through March 31). 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

March 28 and March 29, 2012 monthly, quarterly and semiannual indoor air quality sampling. All samples were sent to Air Toxics Ltd. for analysis. Three 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 Medlin & Son, Star City Auto Body, Tomacico (former Oncology Care), and Madsen Roofing properties are sampled semi-annually. Additionally, the former Women's and Children's Crisis Shelter (WCCS) and Intercommunity Dialysis Center (former InterHealth Building) were 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 (six samples, including one duplicate to Air Toxics)
  - 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
  - WCCS7 – Second floor office – two samples (includes duplicate)
- 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

- Star City Auto Body (three samples)
  - SC-1 – Auto body repair area – one sample
  - SC-2 – Rear area of shop adjacent to the self-contained paint booth – one sample
  - SC-3 – Inside office in front of building – one sample
- Medlin & Son (three samples, including one split sample)
  - MS1 – Front office/lobby area – two samples (includes split sample)
  - MS2 – Metal-working/production area on a shelf along south wall near roll up door – one sample
- Tomacico (former Oncology Care) (one sample)
  - TOM1 – Office – one sample
- Madsen Roofing (one sample)
  - Administrative office – one sample
- Intercommunity Dialysis Center (former InterHealth Building) (two samples)
  - ICD1 – On desk in the middle of research area – one sample
  - ICD2 – On counter in nurse's station – one sample
- Ambient Air (4 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
  - AA16 – Rooftop of WCCS on the southern side of the building – one sample

- AA22 - Rooftop of WCCS in the center of the roof on the northern side of the building - one sample

There was no noticeable wind at the ambient air rooftop locations during canister placement and a slight northeastern wind during 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. Figures 9 through 12 identify and illustrate the indoor air sampling locations at Star City Auto Body, Medlin & Son, Tomacico, and Intercommunity Dialysis Center, respectively. Figure 13 presents the ambient air samples locations for the March 2012 sampling event. Figure 14 presents the indoor air sampling locations for March 2012. Figures are presented in Attachment A.

Building Conditions

Terra Pave

- Ferguson Accounting staff is currently using the building during office hours starting at 9am.
- 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 front door and windows were closed. The door to the break room was open throughout the day. The office was unoccupied during sample placement and occupied during sample retrieval.
- 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 was open during canister placement and retrieval in the maintenance shop.
- 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 March 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.
- 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.
- 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, but was occupied during the day.
- The door to Room 108 was closed and the office was unoccupied during sample placement and retrieval, but was occupied during the day.
- The doors and windows were closed during sample placement and retrieval in the Dental Annex computer room/lobby area. The doors to the inner offices in the computer room/lobby area were open during sampling placement and retrieval. The room was not in use during sample placement and retrieval.
- The door to the training area classroom at the Dental Annex was open during canister placement and retrieval. The room was occupied at sample placement, throughout the day, and during sample retrieval.

WCCS

- The building is vacant.
- The ventilation 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 office on the second floor (office number 16) is empty. The door to the office was open during sample placement and retrieval.
- The 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 in the production area were open during the day but closed at the time of sample placement and retrieval. Overhead windows were closed throughout the day.
- The warehouse doors to the outside were open during the day but closed at sample placement and retrieval. An electric powered forklift was used in the area throughout the day.

Medlin & Son

- The rollup doors in the metal-working/production area were open during working hours and during canister retrieval.
- The windows were closed in the front office/reception area and the door to the inner offices was closed.
- The HVAC system operates on an as-needed basis depending on temperature and was running during canister placement and retrieval. There is no HVAC in the metal-working/ production area.

Star City Auto Body

- The windows were closed in the side office. The door from the office to the main lobby/reception area was open during sample placement and at the end of the day. The office is generally unoccupied.

- Windows remained closed during the day. The rear sliding door remained open during sampling. The side rollup door and rear rollup door was open all day.
- The HVAC system operates on an as-needed basis.
- Vehicles were present in the building and were being serviced. Workers were buffing paint off cars and welding in the area.

Tomacico

- The HVAC system was in operation all day during sampling.
- A portion of the building (Suite A) has been remodeled and is now occupied and functioning as a clinic. The vacant portion of the building is currently being remodeled.
- The door in the office was opened during sample placement and retrieval.

Madsen Roofing

- The door to the administrative office was open during sample placement and closed during sample retrieval. The windows were open throughout the sample collection period.
- There is no HVAC system at this facility. The first floor office has a wall mounted AC unit, which did not operate during sampling.

Intercommunity Dialysis Center

- The HVAC system was operating in automatic mode all day during sampling.
- The building is unoccupied but has medical equipment inside. Construction was recently completed and the building is about to be opened to public upon issuance of appropriate permits.
- The door to the research area was opened during sample placement and retrieval. The HVAC in the research area was off during sampling.
- The research area and the nurse's station were unoccupied during sample placement and pickup.

Ambient Air Analysis

Data Quality Objectives

The objective of ambient air sampling is to evaluate VOC concentrations in the ambient air in the immediate vicinity of the Omega property and in the ambient air at locations upwind and

downwind of the Omega property. An additional objective was to evaluate the impact of SSD exhaust on ambient air near the HVAC intakes for the WCCS building.

The results were evaluated to determine if there is a difference in the ambient air concentrations in the immediate vicinity of the Omega property and at areas upwind and downwind of the Omega property, and to determine what potentially may be contributing to VOCs concentrations in ambient air. The ambient air samples were analyzed for the same VOCs as the indoor air samples (list of VOCs is provided in Table 2 in Attachment B). Additionally, the wind direction and speed for the day the samples were collected was used to determine upwind and downwind directions relative to the Omega property. The ambient air samples were collected using the same procedures as previous ambient and indoor air samples. No issues with the sampling or locations were encountered.

Ambient Air Sampling

Thirteen ambient samples were collected on December 21, 2011. Three samples (AA3A, AA8, and a split sample at AA8) were collected from upwind/crosswind locations), one sample (AA1) was collected from a location in close proximity to the rear of the Omega property (where the former underground tank, former loading dock sumps, and former above ground tanks were stored), and five samples (AA34 through AA37, and a duplicate at AA35) were collected from downwind locations . Four rooftop samples (AA11, AA13, AA16, and AA22) collected to evaluate SSD emissions are discussed in the SSD section of this document.

All samples were analyzed for VOCs using the EPA TO-15SIM method. Wind direction on the day of sampling was from the south-southwest. Wind speed ranged from 0 to 8 miles per hour (mph) with an average of 3 mph. Figure 15 presents the ambient air sampling locations on December 21, 2011.

Ambient Air Analytical Results for December 2011

A summary of the analytical results of the selected constituents are listed below.

PCE

PCE concentrations in the ambient air samples from locations upwind of the Omega property ranged from 0.50 to 0.71 $\mu g/m^3$. PCE in the immediate vicinity of the Omega property was reported at an estimated concentration of 0.43 ug/m3. PCE concentrations from downwind locations ranged from 0.30 to 0.36 $\mu g/m^3$.

TCE

TCE was not detected in the ambient air samples from upwind locations at reporting limits of 0.17 and 0.18 ug/m^3, however, TCE was detected in the split sample at a concentration of 0.085 $\mu g/m^3$. TCE was not detected at a reporting limit of 0.35 $\mu g/m^3$ in the sample collected from the

immediate vicinity of the Omega property. TCE was not detected in samples collected from downwind locations above the reporting limits which ranged from 0.15 µg/m^3 to 0.19 µg/m^3

Total Freon
Total Freon concentrations (sum of concentrations of Freon 11, Freon 113, and Freon 12) in the ambient air samples from upwind locations ranged from 4.76 to 4.96 µg/m^3. Total Freon concentrations in the sample collected from the immediate vicinity of the Omega property was 4.63 µg/m^3. Total Freon concentrations from downwind locations ranged from 4.63 to 4.90 µg/m^3.

Acetone
Acetone concentrations in the ambient air samples from upwind locations ranged from 23 to 30 (estimated) µg/m^3. Acetone concentrations in the sample collected from the immediate vicinity of the Omega property was 410 µg/m^3 (estimated). Acetone concentrations from downwind locations ranged from 14 to 20 µg/m^3. During monthly sampling in 1Q2012, acetone concentrations for samples collected from the immediate vicinity of the Omega property were significantly lower and ranged from 7.9 to 20 ug/m^3.

Ambient Air Data Evaluation

Based on the ambient air analytical results from December 21, 2011 sampling event and the data quality objectives, the following conclusions were made:

- Downwind ambient air concentrations are generally slightly lower than that of upwind ambient air concentrations.
- The ambient air in the immediate vicinity of the Omega property does not appear to be affecting downwind ambient air concentrations.
- PCE, Freon, and acetone were all detected in the upwind ambient air.
- The concentration of PCE in the immediate vicinity of the Omega property ambient air (0.43 µg/m^3 estimated) is slightly lower than in the upwind (average of 0.60 µg/m^3) and slightly higher than in the downwind (average of 0.32 µg/m^3) ambient air.
- TCE and Freon concentrations in the in the immediate vicinity of the Omega property ambient air do not appear to be significantly different from upwind or downwind ambient air.
- Acetone concentrations at upwind and downwind locations were generally comparable and the same order of magnitude. The acetone concentration in the sample collected from the immediate vicinity of the Omega property was significantly elevated with respect to upwind and downwind locations, and likely the result of activities at Star City Auto Body (where

acetone has historically been detected at significantly elevated concentrations [e.g., 9300 ug/m3 in September 2011]) and other local businesses.

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 Rippy buildings.

Indoor Air Analytical Results

As briefly described above, monthly IAQ samples were collected from the FRR and ROP buildings on March 28 and 29, 2012, respectively. Quarterly IAQ samples were collected from Terra Pave and Bishop on March 28, 2012. Semi-annual IAQ samples were collected from Madsen Roofing, Star City Auto Body, Medlin & Son, Tomacico (formerly Oncology Care Medical Associates), and Intercommunity Dialysis Center (former InterHealth MRI) buildings on March 28, 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 11). 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. Based on the February 2012 update to EPA's Integrated Risk Information System (IRIS), EPA's screening risk level for PCE will increase within the next few months to 4,100 ug/m^3 as the new 10^{-4} screening cancer risk level for non residential exposures and 41 ug/m^3 as the new 10^{-6} screening cancer risk level for non-residential exposures. Tables and graphs in Attachments B and C, therefore, have been revised accordingly.

Bishop

The PCE concentrations in the administration office (not detected above a reporting limit of 0.24 micrograms per cubic meter, [ug/m^3] [field duplicate result was 0.37 ug/m^3]), warehouse (less than 0.24 ug/m^3), and the interior store (0.34 ug/m^3) in March were below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March 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 not detected above a reporting limit of 0.22 ug/m^3 during the March sampling event.

Terra Pave

PCE concentrations in the first floor reception/lobby area (0.30 ug/m^3 [split sample result was 0.36 ug/m^3]), the second floor office (0.24 ug/m^3) and the maintenance shop (0.38 ug/m^3) were below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March 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 not detected above a reporting limit of 0.22 ug/m^3 during the March sampling event.

ROP

The PCE concentrations in Room 108 (0.28 ug/m^3), Room 104 (0.31 ug/m^3), Room 207 (0.35 ug/m^3 [split sample result was 0.45 ug/m^3]), Dental Annex Classroom (0.32 ug/m^3), and the Dental Annex Lobby/Computer Area (0.26 ug/m^3) were below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March sampling event. PCE was detected at a concentration of 0.82 ug/m^3 in the ambient air sample collected from the parking lot near the Dental Annex during the March sampling event.

WCCS

The PCE concentrations in the first floor great room (0.44 ug/m^3), first floor office (northwest corner of building) (0.48 ug/m^3), first floor elevator lobby (0.44 ug/m^3), second floor Office 16 (0.36 ug/m^3[duplicate sample results was also 0.36 ug/m^3]), and the second floor Office 17 (0.36 ug/m^3) have decreased significantly and are below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March 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 0.82 ug/m^3 in the ambient air sample collected from the parking lot near the Dental Annex during the March sampling event.

During this sampling event, two ambient air samples were also collected from the WCCS rooftop. The PCE concentrations from the rooftop ambient air samples were as follows: 0.71 ug/m^3 in the southern side of the rooftop and 0.32 ug/m^3 in the center of the roof on the northern side of the building.

FRR

PCE concentrations in the front office (0.87 ug/m^3 [field duplicate result was 0.85 ug/m^3]), the production area (0.80 ug/m^3), and the warehouse (1.2 ug/m^3) have decreased significantly and are below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March 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 0.82 ug/m^3 in the ambient air sample collected from the parking lot near the Dental Annex during the March sampling event.

Star City Auto Body

PCE concentrations in the main work area (not detected above a reporting limit of 0.23 ug/m^3), the rear shop area (not detected above a reporting limit of 0.72 ug/m^3), and the side office (not detected above a reporting limit of 0.23 ug/m^3) were below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March sampling event. PCE in the ambient air sample collected from the fence between Terra Pave and Madsen Roofing was not detected above a reporting limit of 0.22 ug/m^3 during the March sampling event.

Medlin & Son

PCE concentrations in the front office (0.21 ug/m^3[field duplicate result was 0.35 ug/m^3]) and the production area (not detected above a reporting limit of 0.22 ug/m^3) were below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March sampling event. PCE in the ambient air sample collected from the fence between Terra Pave and Madsen Roofing was not detected above a reporting limit of 0.22 ug/m^3 during the March sampling event.

Madsen Roofing

PCE concentration in the office (not detected above a reporting limit of 0.21 ug/m^3) was below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March sampling event. PCE in the ambient air sample collected from the fence between Terra Pave and Madsen Roofing was not detected above a reporting limit of 0.22 ug/m^3 during the March sampling event.

Former OCMA / Current Tomacico

PCE concentration in the admin office (0.23 ug/m^3) was below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March sampling event. PCE in the ambient air sample collected from the fence between Terra Pave and Madsen Roofing was not detected above a reporting limit of 0.22 ug/m^3 during the March sampling event.

Former InterHealth/Current Intercommunity Dialysis Center

PCE concentrations in the Nurses Station (0.22 ug/m^3) and the research area (not detected above a reporting limit of 0.23 ug/m^3) were below both the current and pending Long-Term Health Protective Screening Criteria of 2.1 ug/m^3 and 41 ug/m^3, respectively, during the March sampling event. PCE was detected at a concentration of 0.82 ug/m^3 in the ambient air sample collected from the parking lot near the Dental Annex during the March sampling event.

Graphs illustrating PCE and TCE concentrations over time at the Bishop, Terra Pave, ROP, WCCS, FRR, Star City Auto Body, Medlin & Son, Madsen Roofing, Tomacico, and Intercommunity Dialysis Center properties are provided in Attachment C.

Data Validation

Formal data validation was performed on the analytical results for the 35 samples analyzed by Air Toxics using the Level 4 data package provided by the laboratory. Laboratory reports for the March 28 and 29, 2012 sampling events are presented in Attachment G 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, three field duplicate samples were collected during this event. The field duplicate of sample IAQ-B1-032812 (First Floor Reception/Office Area) had 0.37 ug/m^3 of PCE while PCE was not detected in the original sample (detection limit of PCE for the original sample was 0.24 ug/m^3). The field duplicate of sample IAQ-FRR1-032812 (First floor office) had a 2.33 percent variation from the original sample for PCE (0.87 ug/m^3 in the original sample and 0.85 ug/m^3 in the field duplicate). The field duplicate of sample IAQ-WCCS7-032812 (Second floor office 16) had a 0.0 percent variation from the original sample for PCE (0.36 ug/m^3 in both the original sample and the field duplicate).

Three samples were submitted to a second laboratory (CalScience) as confirmatory split samples. Results for the split sample for location IAQ-TP1-032812 (First Floor Reception Area) had 18.18 percent variation from the original sample for PCE (0.30 ug/m^3 in the original sample and 0.36 ug/m^3 in the split sample). Results for the split sample for location IAQ-ROP1-032912 (Room 207) had 25.0 percent variation from the original sample for PCE (0.35 ug/m^3 in the original sample and 0.45 ug/m^3 in the split sample). Therefore, the PCE results for IAQ-ROP1-

032912 were qualified as estimated (flagged with a "J") due to split sample imprecision. Results for the split sample for location IAQ-MS1-032812 (Front office area) had 50.0 percent variation from the original sample for PCE (0.21 ug/m^3 in the original sample and 0.35 ug/m^3 in the split sample). Therefore, the PCE results for IAQ-MS1-032812 were also qualified as estimated (flagged with a "J") due to split sample imprecision.

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 D.

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. 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 January 1, 2012 to March 31, 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 January 30, 2012 data show that 27 out of the 31 VMPs monitored exhibited a vacuum. This suggests a coverage area that encompasses most of the target treatment area. All of the VMPs

not exhibiting vacuum influence are located away from the extraction wells where less vacuum influence is to be expected

The February 27, 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. 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 March 27, 2012 data show that 27 out of the 32 VMPs exhibited a vacuum. This suggests a coverage area that encompasses almost the entire target treatment area. All of the VMPs not exhibiting vacuum influence are located away from the extraction wells where less vacuum influence is to be expected.

Vacuum was not observed at VE-3M in December, 2011, but was observed to exhibit a vacuum during all three monitoring event during this reporting period. This confirms that the lack of vacuum at VE-3M in December 2011 was temporary.

Vapor Concentration, Flow Rate Analysis, and Mass Removal Estimates

The ISVE1 system operated at an average flow of 940 standard cubic feet per minute (SCFM) (measured at the influent of the GAC adsorbers) at 5.7 inches of mercury (measured at the header pipe) during the reporting period.

Prior to the current reporting period, VOC concentrations have been declining at most of the VEWs (Figure D4). However, during the reporting period, and particularly during the March monitoring event, nearly all extraction wells exhibited increases in concentrations. Correlation between PID and analytical data suggest that the concentration increases were not due to analytical errors. Flow and vacuum do not appear to have caused the increase in concentrations, as they have been relatively consistent. The cause of this VOC concentration increase is unknown but will be monitored further during the second quarter of 2012.

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 90 and 97 percent compared to startup, respectively. Total VOC influent concentration at the expansion wells VE-6S, VE-14S, and VE-15S have shown less than 40%

decline compared to startup, but were not nearly as elevated as some other wells. In the case of VE-14S, total VOC concentrations from the March, 2012 sampling event indicates a higher concentration than during well startup, but that well had very low concentrations compared to other VEWs.

With the exception of VE-15S and VE-12S, flows from most VEWs have remained relatively stable during the reporting period. Flow from well VE-15S fluctuated between 70 SCFM to 135 SCFM, while flow from VE-12S had decreased from 62 to 156 SCFM. Average flow rates during this reporting period ranged from 39 (VE-14S) to 243 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 9,500 ppbv (a 97.3 percent decline) on March 26th, 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 March 26, 2012, after the ISVE1 system had run for a total of 13,154 hours, a total of approximately 5,664 pounds (lbs) of VOC mass had been removed by this system. The estimated removed mass included 4,534 lbs of tetrachloroethene (PCE), 433 lbs of Freon 113, 234 lbs of 1,1-dichloroethene (1,1-DCE), 192 lbs of trichloroethene (TCE), and 77 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 March 26, 2012, approximately 6,896 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 based on modified operation parameters due to the ISVE1 system upgrade in April 2011. 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 on February 20, 2012 was below 90 percent (87.1%). The system was shut down on February 29, 2012. On March 2, 2012, carbon changeout of the lead vessel was performed. The lead and lag vessel were then swapped 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 D3. Analytical results are presented in Table D4.

Adsorption efficiency of 99 percent by the lead and lag vessels combined was not met from February 20 to 28, based on PID data. Analytical results also showed that the total adsorption efficiency of the two vessels was below 99 percent on February 20, 2012. The system was shut down on February 29, 2012. Carbon change out was performed on March 2, 2012, and the system was restarted 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 January 16, February 20, and March 26, 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 for a total of 58 monitoring ports), 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 March 6, 2012 to March 31, 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 Analytical Results - presents VOC analytical data from samples collected from VEWs.
- 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.

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 March 6, 2012 data show that 26 out of 52 VMP ports sampled exhibited a vacuum. This suggests a coverage area that encompasses only part of the target treatment area. In general, adequate vacuum is observed near vapor extraction wells. Vacuum influence is sporadic away from vapor extraction wells. However, the lack of vacuum in over half of the VMP ports monitored is not unexpected during the initial operation of the ISVE2 System, because early operation of the system was not consistent due to equipment adjustment and optimization.

The March 26, 2012 data show that 43 out of 51 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, 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 at greater depth (i.e. at 24 feet bgs) but with vacuum observed at shallower 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. Vacuum influence at FRR-VMP-11 will be closely monitored in the second quarter of 2012.

Vapor Concentration, Flow Rate Analysis, and Mass Removal Estimates

The ISVE2 system operated at an average of 1270 standard cubic feet per minute (SCFM) at 5.1 inches of mercury during the reporting period, measured at the influent of the GAC adsorbers.

VOC concentrations at the VEWs were sampled on February 28 (before startup) and again on March 30, 2012 (3.5 weeks after startup). 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 95% concentration decline was observed. VE-24S was the only VEW with increased VOC concentration after ISVE2 System startup.

Average flow rates from the VEWs during this reporting period ranged from 26 (VE-20S) to 196 SCFM (VE-26S) (Table E2). Flows from most VEWs have been relatively stable since startup. Flows at VE-23S, -25S, -26S, and -30S fluctuated during startup but are expected to stabilize.

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 22,000 ppbv (a 57 percent decline) on March 30th, 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 March 30, 2012, after the ISVE2 system had run for a total of 447 hours, a total of approximately 646 lbs of VOC mass had been removed by this system. The estimated removed mass included 428 lbs of PCE, 108 lbs of 1,1-DCE, 31 lbs of TCE, 52 lbs of Freon 113, and 14 lbs of Freon 11. 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 below 1,060 SCFM during the March 7, 2012 monitoring event, but was above the permitted flow during monitoring events on March 21 and March 30, 2012 as the system has been undergoing significant adjustment and optimization. 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 efficiency on March 30, 2012 was below 90 percent (56.8%). The system was shut down on April 3, 2012 (outside of this reporting period). On April 5, 2012, carbon changeout of the lead vessel was performed. The lead and lag vessel were then swapped 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 the March 6 and March 21, 2012 monitoring events, but was over the effluent limit during the March 30, 2012 monitoring event. The ISVE2 system was shut down on April 3, 2012 for carbon changeout (outside of this reporting period).

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 March 7, 2012 monitoring event. However, benzene was detected to be above the emission limit based on analytical data from the March 30, 2012 monitoring event. 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

This section presents an evaluation of field data and analytical results and a discussion of the performance of the sub-slab depressurization (SSD) systems. The following tables and graphs summarize and present the data for the reporting period:

- Table F1 – SSD Blower Monitoring Data Summary – presents flow, vacuum, and photoionization detector (PID) data from all of the SSD blowers / Suction pits (SSDB).
- Table F2 – SSD VMP Monitoring Data Summary – includes vacuum data at all of the SSD VMPs.
- Table F3 – SSDB Analytical Results – lists analytical data from each of the samples collected from SSDB effluent.
- Table F4 – SSD Vapor Treatment Monitoring Data Summary – includes vapor flow characteristics and PID data at each sampling port in the roof top vapor treatment system.
- Table F5 - SSD Vapor Treatment Analytical Results – lists analytical data from each of the analytical samples collected around the roof top vapor treatment system.
- Figure F1 – Sub-Slab Depressurization Systems Site Plan and Performance – provides the vacuum data at each of the suction pit and VMP locations.
- Figure F2 – As-Built Schematic Sub-Slab Depressurization Details – is a figure from the As-Built Report of the Sub-Slab Depressurization for Soil Gas Treatment at WCCS and

ROP Buildings that shows sections of various SSD implementation at the site and a roof plan view showing the layout of the treatment system for vapors from SSDB-8 and SSDB-17.

SSD Systems Installation and Startup

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. No sampling of the treatment system was performed during the reporting period due to the shutdown of the SSD systems at the former WCCS building.

Figures E1 and E2 present the Site Plan and a cross section of the SSD System. Figure F2 also shows the roof site plan of the installed treatment system for treatment of vapors from SSDB-8 and SSDB-17.

All analytical results are presented in Table F3.

SSD Vacuum Influence

Vacuum measurements were collected at SSDB-1 through SSDB-18 and at SSDVMP-1 through SSDVMP-7, and SSDVMP-11 through SSDVMP-19 locations on March 29, 2012. Vacuum data of the SSDBs and SSDVMPs are presented in Tables E1 and E2, respectively, in Attachment E.

Analytical data from the SSDVMPs and SSDBs are presented in Table F3. Figure F1 shows the vacuum distribution at the VMP locations.

ROP

There are 11 SSDBs and 11 SSDVMPs in the ROP Building (excluding the Dental Annex). Data from March 29, 2012, indicate that vacuum influence varies across the ROP building and ranges from no vacuum (SSDVMP- 04) to 0.563 inches of water (SSDVMP-16).

On March 29, 2012, the SSDBs in ROP Building exhibited vapor flow ranging from 77 SCFM (SSDB-02) to 167 SCFM (SSDB-06), vacuum readings from 1.03 inches of water (SSDB-06) to 2.01 inches of water (SSDB-05), and PID readings from 0.0 ppmv (multiple wells) to 1.7 ppmv (SSDB-14). Eleven analytical samples were collected from SSDBs at ROP on March 29, 2012, with total VOC concentration ranging from 297 to 645 ppbv.

Dental Annex

SSDB-7, SSDB-18, and SSDVMP-18 are located in the Dental Annex. Data from SSDVMP-18 indicated a vacuum of 0.015 inches of water on March 29, 2012. On March 29, 2012, SSDB-7 was pulling 1.83 inches of water of vacuum, 61 SCFM of flow, and registered PID reading of 0.0 ppmv; and SSDB-18 exhibited a vacuum of 1.94 inches of water, a flow of 77 SCFM, and a PID reading of 0.0 ppmv. Analytical samples were taken from SSDB-7 and SSDB-18 on March 29, 2012, which indicate total VOC concentrations of 325 and 309 ppbv, respectively.

WCCS

Five SSDBs and four SSDVMPs have been installed in the WCCS building. As previously discussed, the SSD system at WCCS was shut down on December 20, 2011 per EPA's approval. As such, no monitoring activities and sampling had occurred during the first quarter of 2012.

SSD Vapor Treatment

The SSD vapor treatment system was designed to treat vapor streams from both SSDB-8 and SSDB-17. However, since the SSD system at the WCCS was shut down, both SSDB-8 and SSDB-17 were shut down as well. As a result, the SSD vapor treatment system did not operate during the first quarter of 2012.

As noted previously in the ambient air analysis section of this document, four ambient air samples (AA11, AA13, AA16, and AA22) were collected from the WCCS and ROP rooftops during the December 21, 2011 sampling event to evaluate the impact of SSD exhaust on ambient air near the HVAC intakes for the WCCS building. PCE concentrations in all four samples were below EPA's Long-Term Health Protective Screening Criteria and ranged from 0.67 to 1.3 ug/m^3.

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 June 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 April 2012 monthly indoor air sampling event occurred on April 30, 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 for the past five months. 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 several days before the next scheduled monthly indoor air sampling event (tentatively scheduled for May 30th) in order to evaluate discontinuation of the SSD system. ROP 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.

- Following review of the April 30th indoor air sampling results, it is anticipated that monthly monitoring will be performed at ROP, WCCS, and FRR through June 2012, at which time a Pro-UCL statistical evaluation will be performed 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 – Star City Auto Body
Figure 10 – Medlin & Son
Figure 11 – Tomacico
Figure 12 - Intercommunity Dialysis Center
Figure 13 – Ambient Air Sample Locations (March 2012)
Figure 14 - Indoor Air Quality Sampling Locations (March 2012)
Figure 15 – Ambient Air Sample Locations (December 2011)

Attachment B: Tables
Table 1 - Analytical Summary Table
Tables 2 through 11- Comparison to Health Protective Screening Criteria
Table 12 – ISVE1, ISVE2, and SSD Data Quality Assessment Table

Attachment C*:* Graphs of TCE and PCE Concentrations (Bishop, Terra Pave, FRR, WCCS, ROP, Madsen Roofing, Tomacico, Medlin & Son, Star City Auto Body, Intercommunity Dialysis Center)

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

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

Attachment F: Sub-Slab Depressurization Systems Figures and Tables

Attachment G*:* Laboratory Reports and Data Validation Memo

Attachment A: Figures

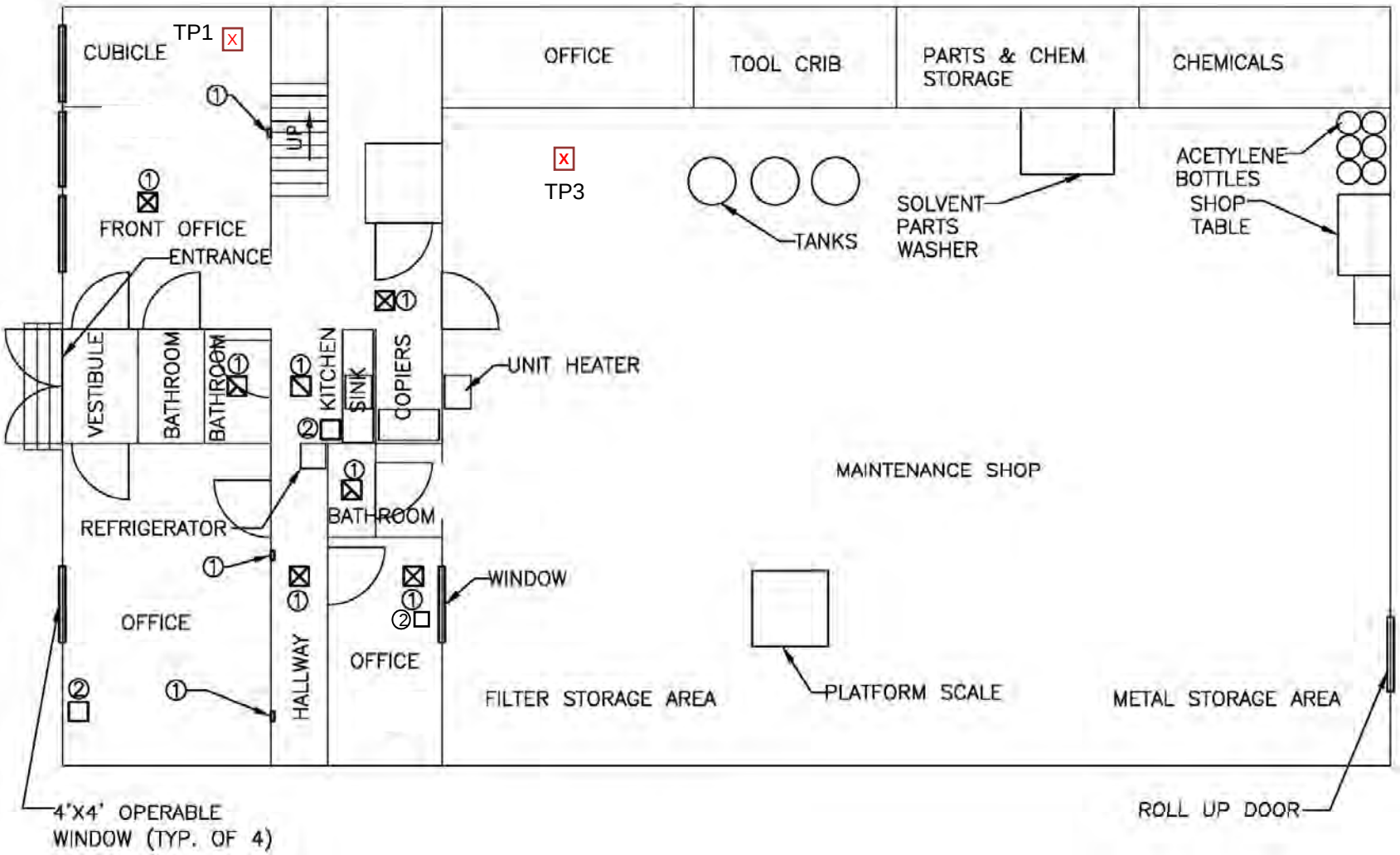
LEGEND

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

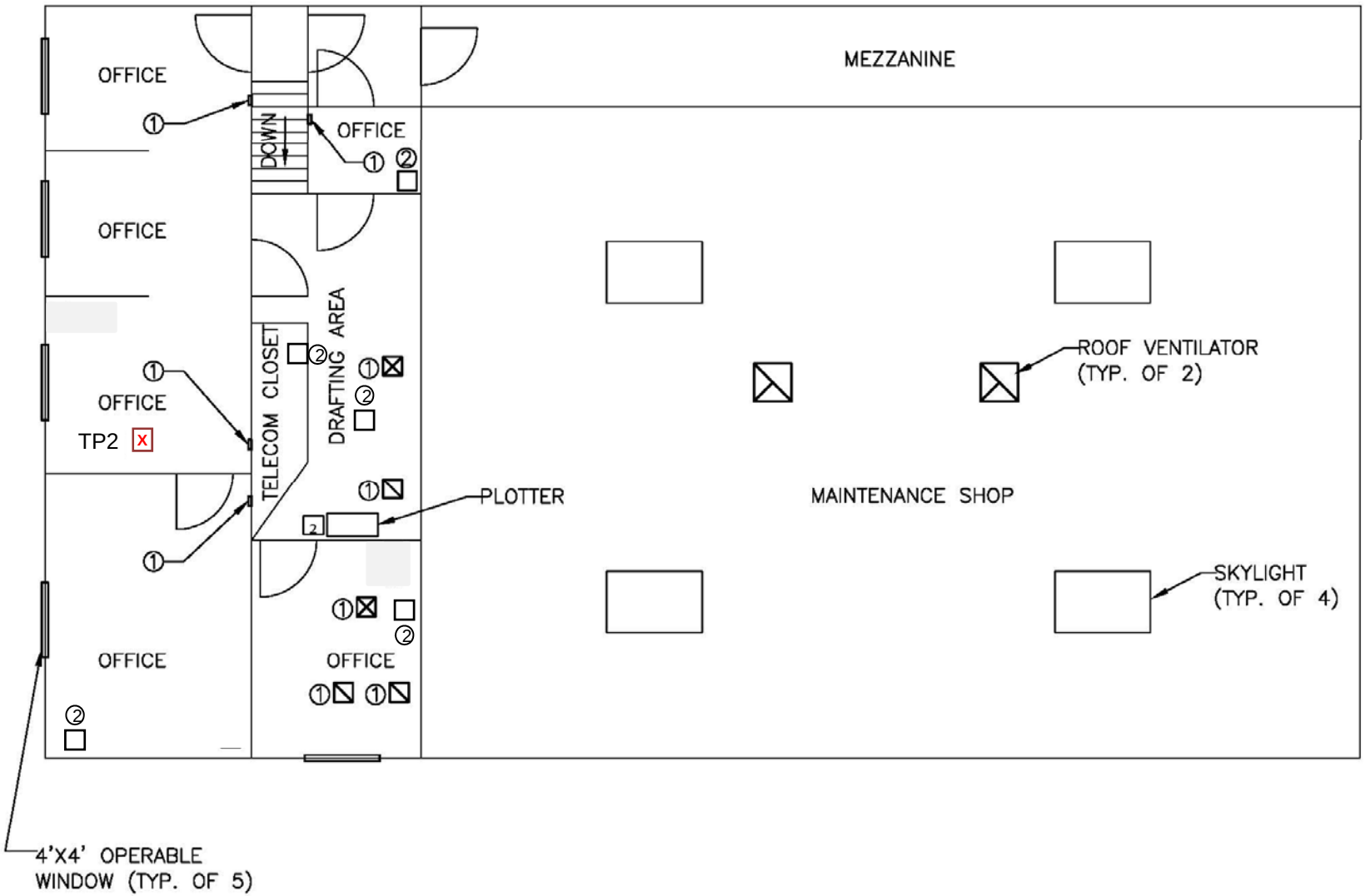
LEGEND

① Diffuser

② Purifier (Installed December 2008, Approximate Location)

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

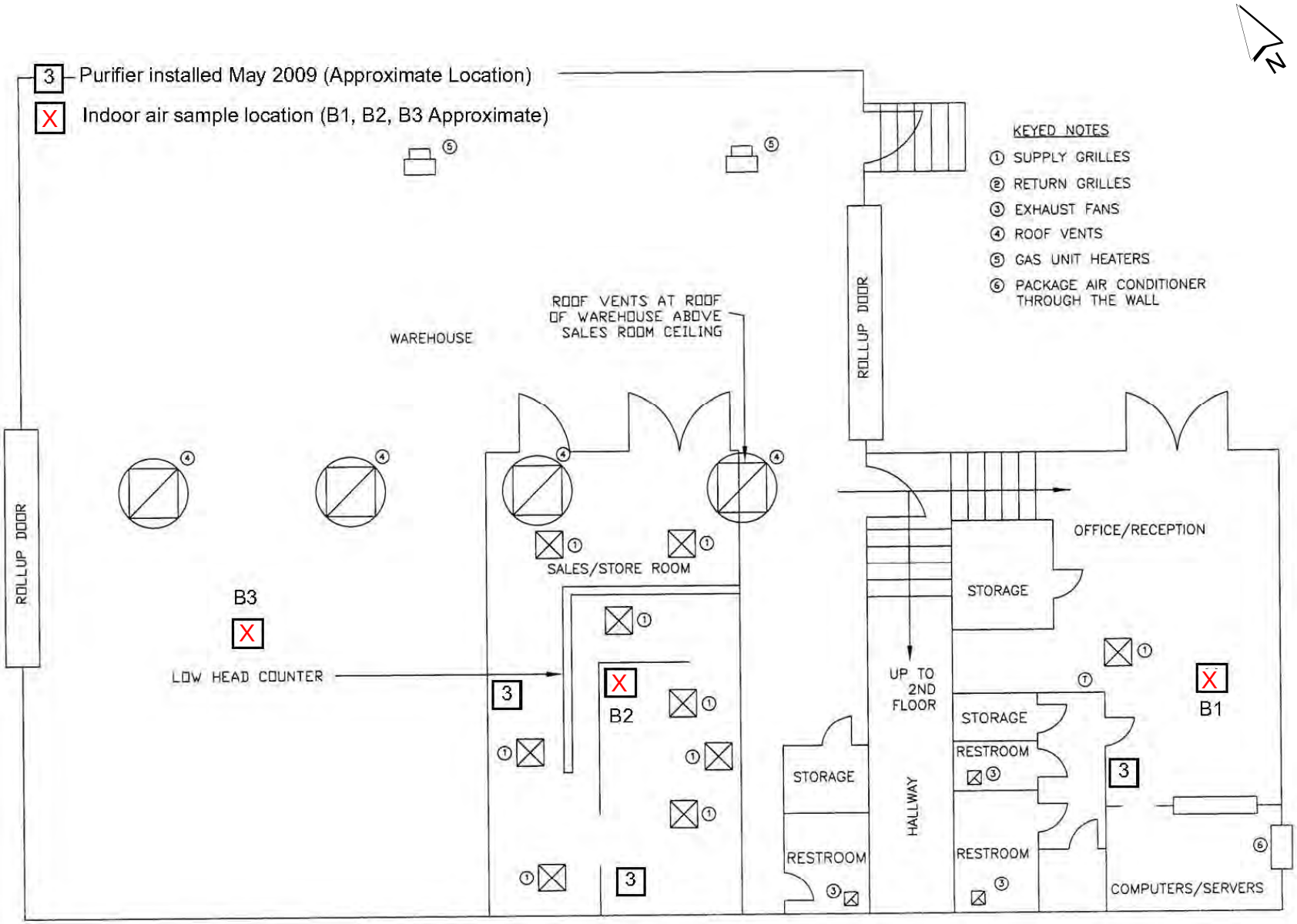
[X] Indoor Air Sample Location (TP1, TP2, TP3 Approximate)



TERRA PAVE

NTS

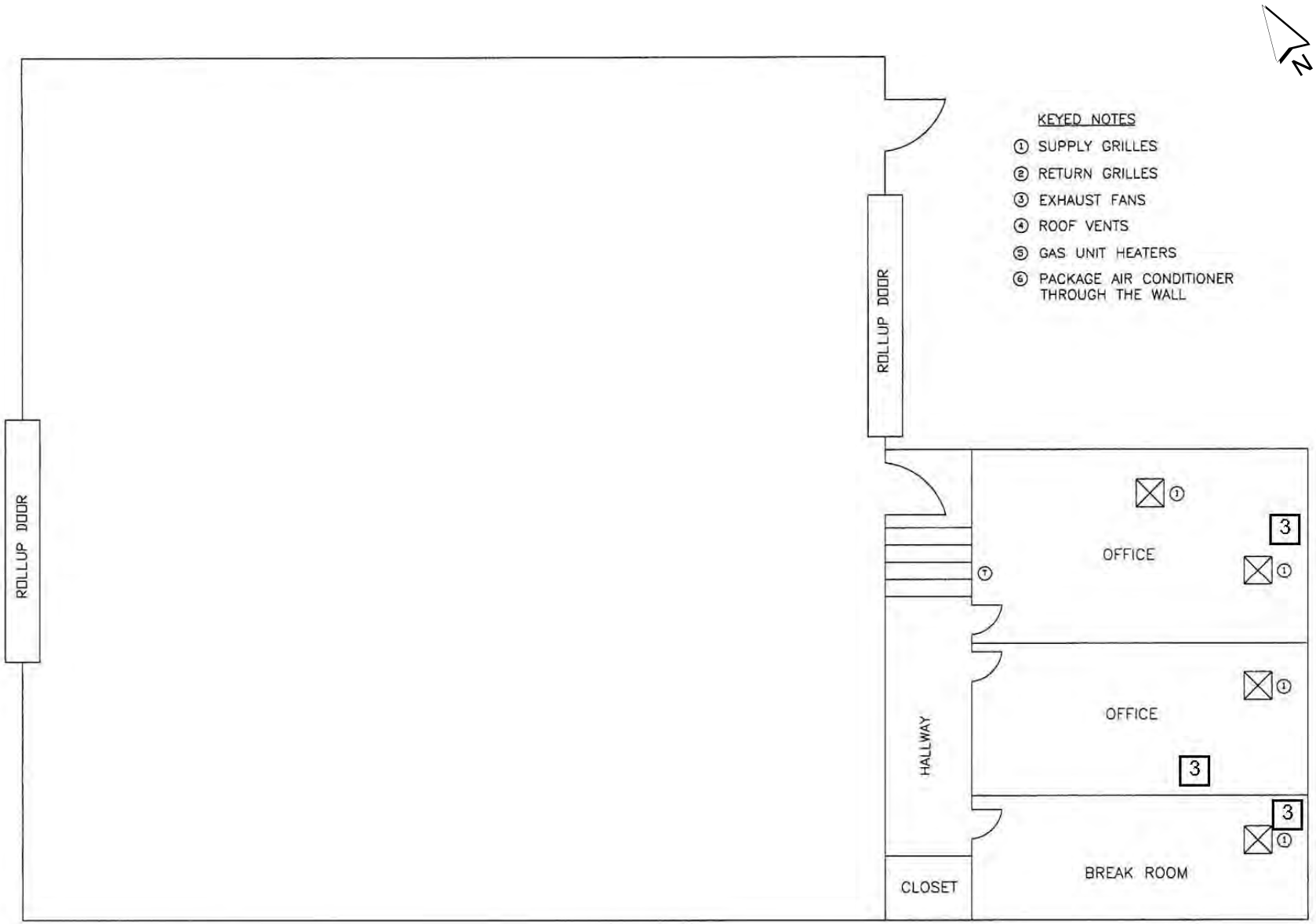
Figure 2
Terra Pave – Second Floor



BISHOP COMPANY FIRST FLOOR

NTS

Figure 3
Bishop – First Floor



BISHOP COMPANY SECOND FLOOR
NTS

Figure 4
Bishop – Second Floor

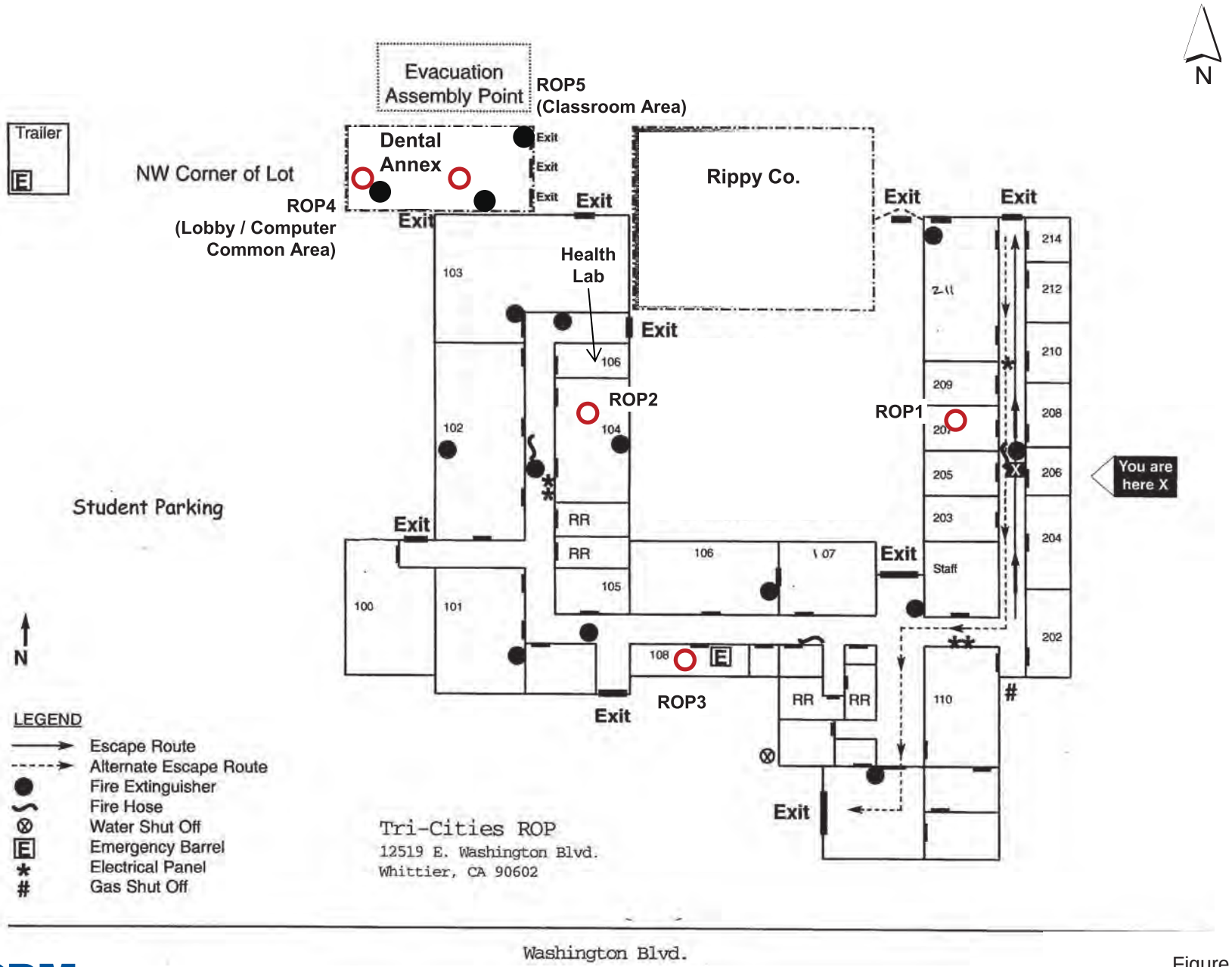
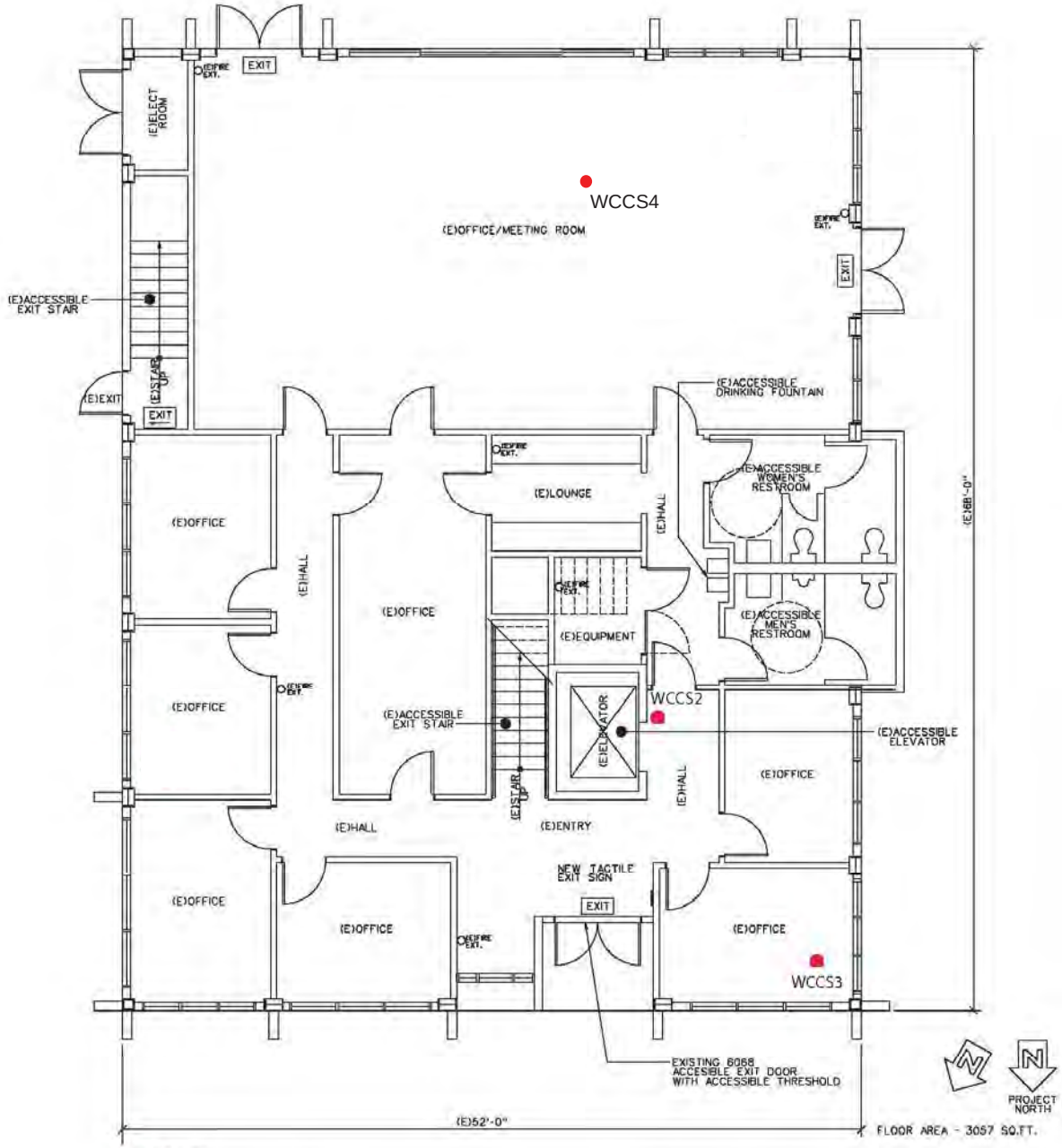


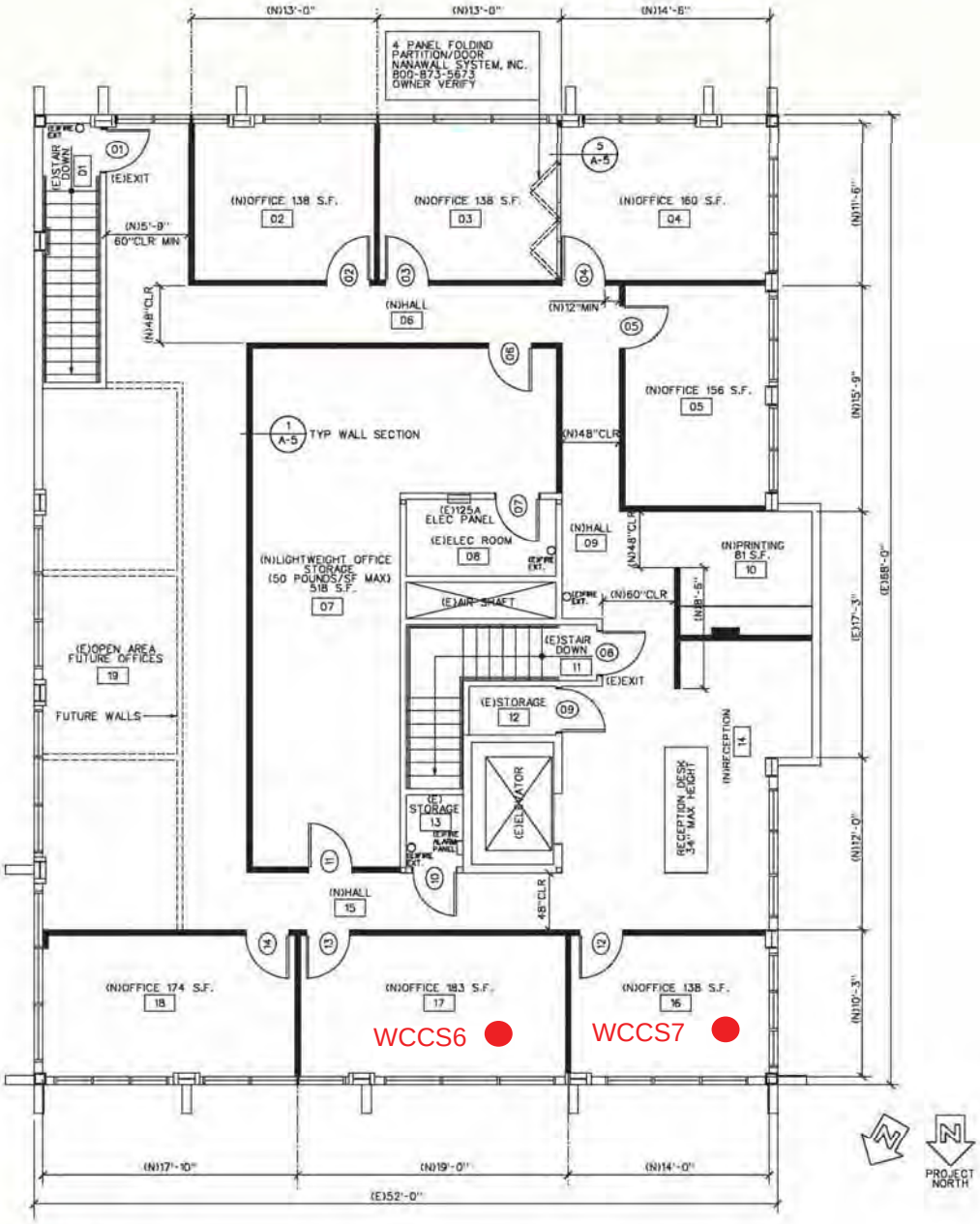
Figure 5
Regional Occupation Program



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

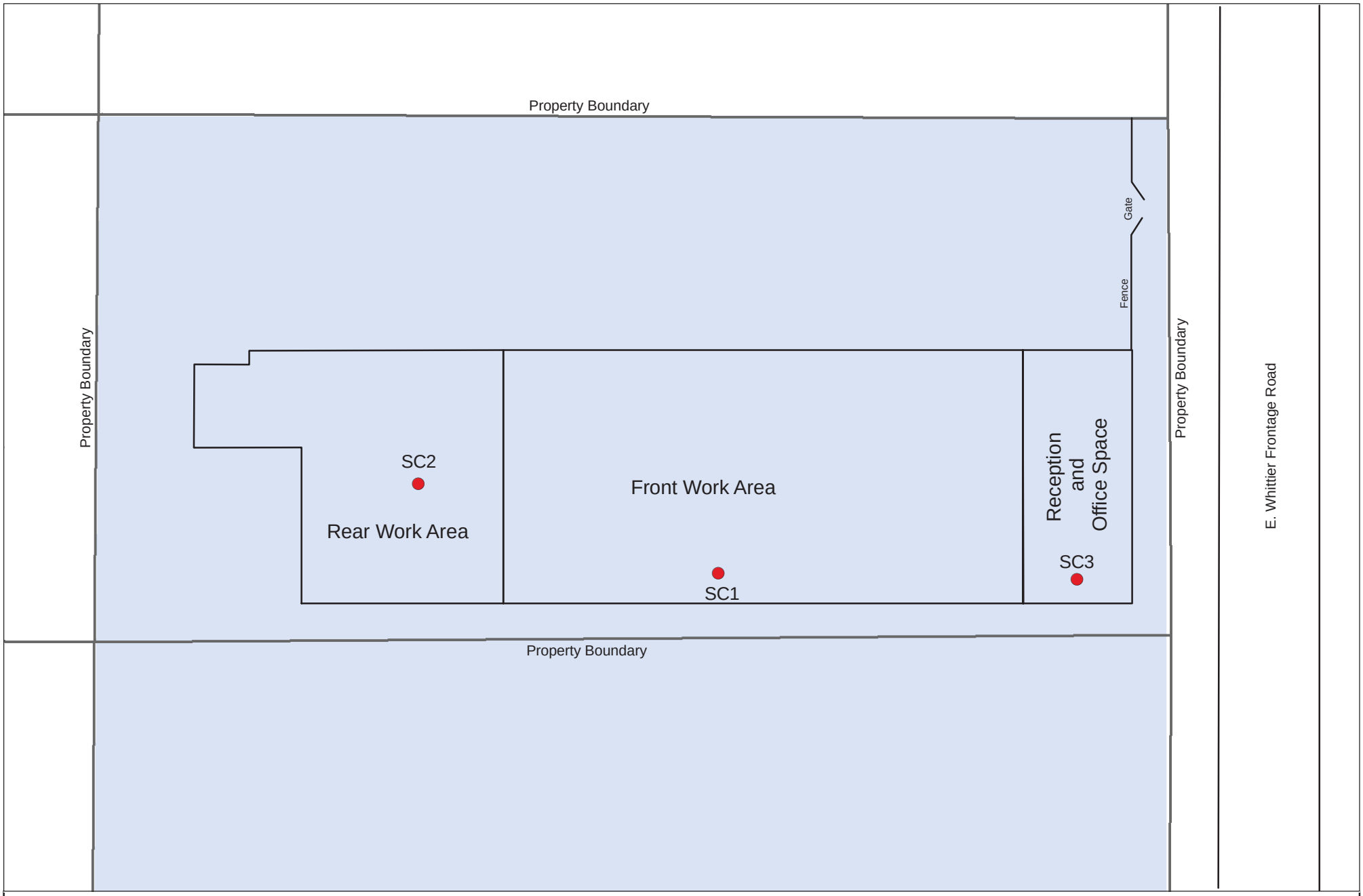
0 50 100 200
Feet

CDM Smith

Omega Chemical

Fred R. Rippy - Aerial View

Figure 8



Legend

Former Omega Chemical Property

Indoor Air Quality Sample Location

10 5 0 10

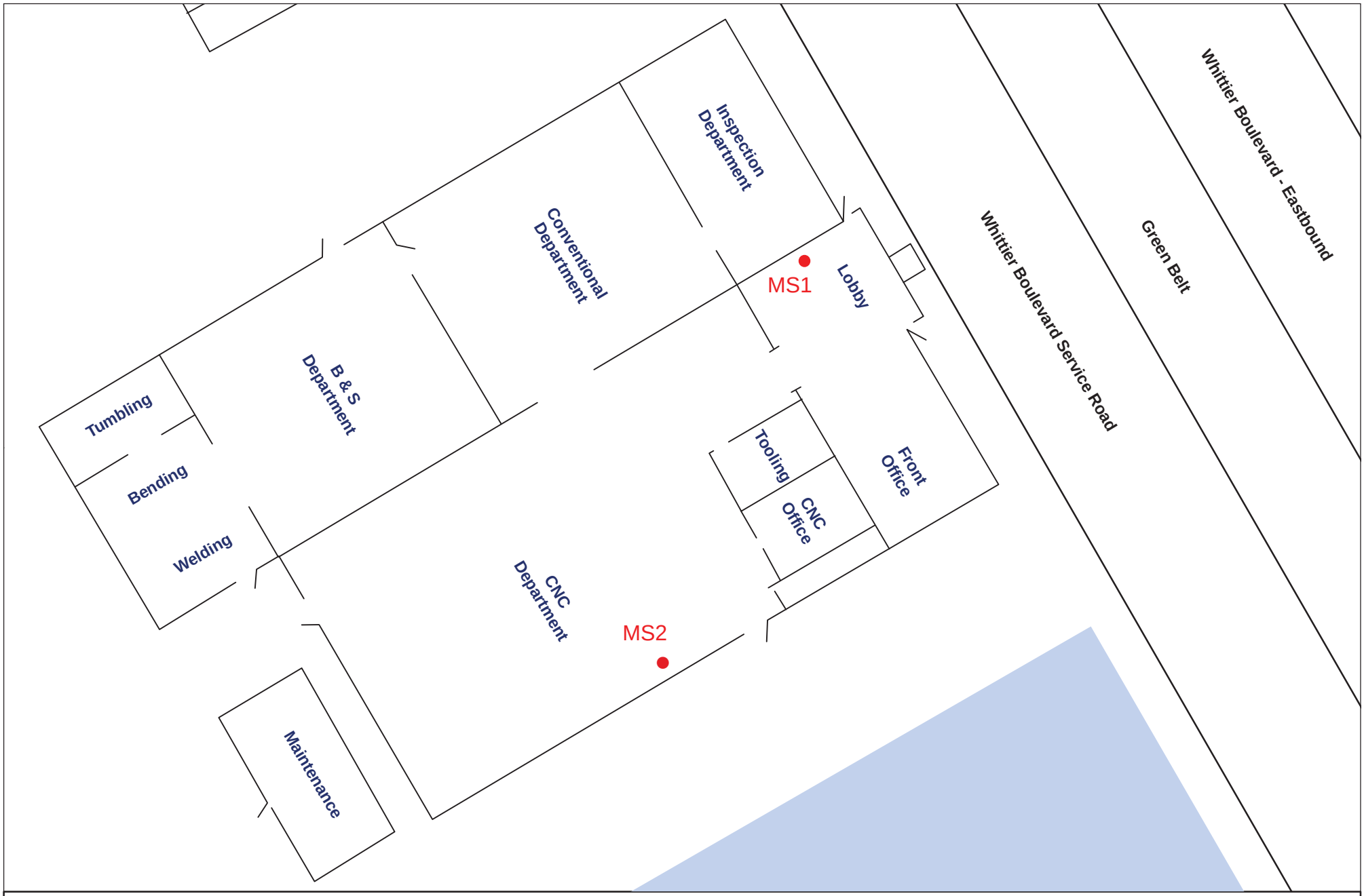
Feet

Approximate Scale

Omega Chemical

Star City Indoor Air Sampling Locations

Figure 9



Legend

Former Omega Chemical Property

Indoor Air Quality

20 10 0 20

Feet

Approximate Scale

N

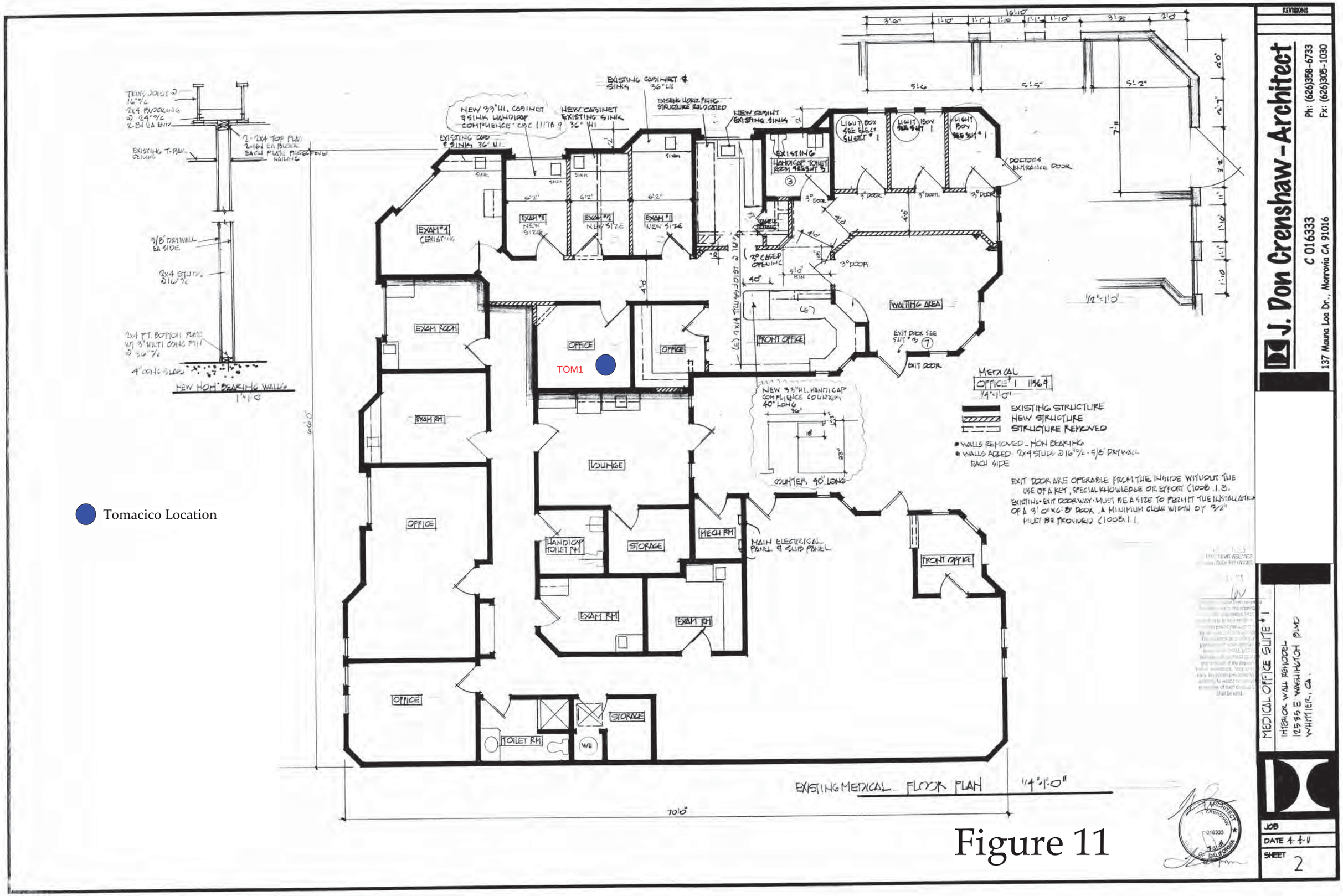
Omega Chemical

Medlin & Son

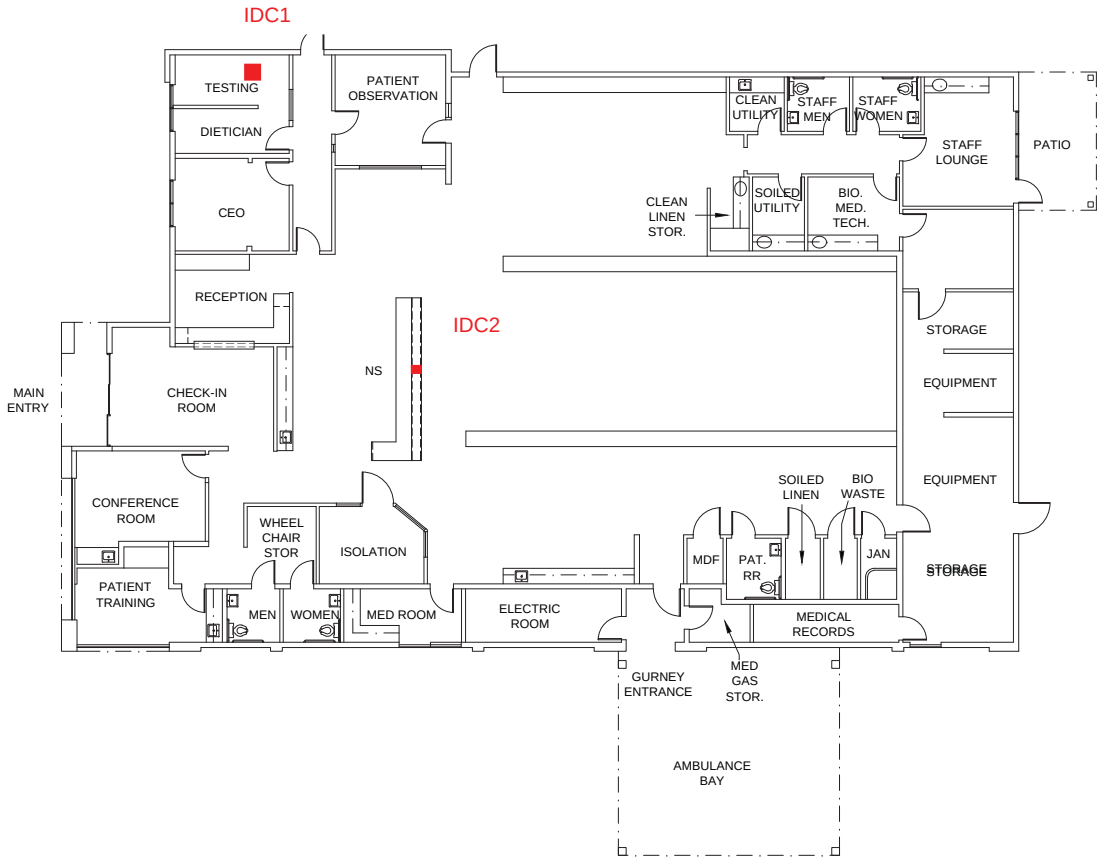
Indoor Air Sampling Location

12484 Whittier Boulevard

Figure 10


EXISTING MEDICAL FLOOR PLAN 1/4"=1'-0"
EXAM #4 EXISTING
EXAM #3 NEW SIZE
EXAM #2 NEW SIZE
EXAM #1 NEW SIZE
EXAM ROOM
OFFICE
EXAM RM
LOUNGE
HANDICAP TOILET RM
STORAGE
MECH RM
MAIN ELECTRICAL PANEL & SUB PANEL
FRONT OFFICE
WAITING AREA
EXIT DOOR
TOILET RM
70'-0"
TOM1
Tomacico Location
Figure 11
J. Don Crenshaw-Architect
C 016333
137 Mauna Loa Dr., Monrovia CA 91016
Ph: (626)358-6733
Fx: (626)305-1030
MEDICAL OFFICE SUITE #1
INTERIOR WALL REMODEL
12595 E WASHINGTON BLVD
WHITTIER, CA.
JOB
DATE 4-7-11
SHEET 2

REVISED		
6	Reviewed Dialysis Remodel	12.31.10
5	Reviewed no change	12.31.10



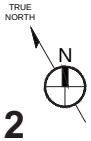


Figure 12

ISSUED OR REVISED		
4	Reviewed no change	03.31.10
3	Reviewed Bldg. name change	07.01.09
2	Issued	12.15.08
1	Issued	12.15.05
NO	ITEM	DATE

Facilities Planning
12401 Washington Blvd.
Whittier, CA 90602
(562) 698-0811 Ext. 14860
(562) 789-4423 Fax

Presbyterian Intercommunity Hospital

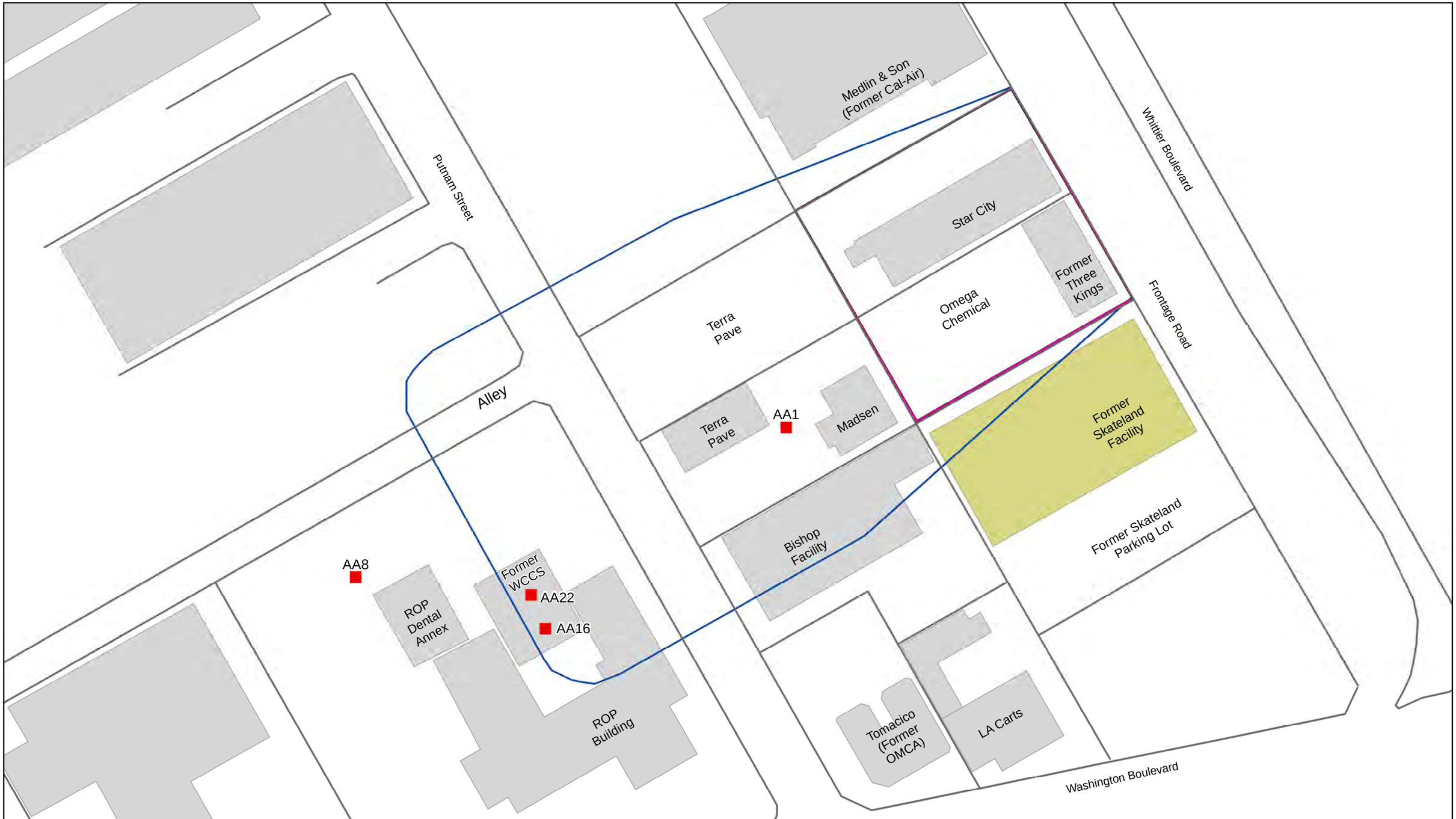
LOCATION
The Intercommunity Dialysis Center

12455 E. Washington Blvd.
Whittier, CA 90602

PROJECT TRACKING
Facilities Apprv :
Dept. Apprv :
Project. Mgr : KOH
Project No : MRI.11.000
Drawn By : MOS Edited By : MOS
Date : 12.02.05
SCALE : 1/16" = 1'-0"

SHEET TITLE
Floor Plan

SHEET : 1 of 1 SHEET NO.
FP-1



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 = 75 feet

CDM Smith

Omega Chemical
Ambient Air Sample Locations
(March 2012)

Figure 13

Legend

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

N

0 75 150
Feet

CDM Smith

Omega Chemical
March 2012
Indoor Air Quality Sampling Locations

Figure 14

Legend

- Former Omega Chemical Facility
- Phase Ia Area
- Former Building
- Other Buildings
- Ambient Air Sample Location
- New Ambient Air Sample Location (December 2011)

N

75 37.5 0 75
Feet
1 inch = 75 feet

CDM Smith

Omega Chemical

Ambient Air Sample Locations (December 2011)

Figure 15

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

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
	12/28/10	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
	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
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
	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

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
	07/08/10	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
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
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

Table 1
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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
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
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
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

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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
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
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
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
	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

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
	08/25/09	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
	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

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
	03/30/11	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
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
	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

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
	07/28/10	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
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
	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

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
	07/08/10	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
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
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

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	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
	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

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
	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
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
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

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
	09/27/11	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
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
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

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	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
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
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

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	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
	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
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

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	1.4	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
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
	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
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

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
	12/28/10	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
	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
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

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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
	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
	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
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

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
	10/07/10	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
	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

Table 1
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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
	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
	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

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
	12/28/10	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
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
	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

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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
	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
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
	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

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
	01/27/10	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
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
	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

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	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
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
	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

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
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
	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
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

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	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
	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

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
	08/31/11	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
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

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 - March 28, 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	0.22	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.56		0.63		0.62		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	0.13	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.058		0.058		0.065	U	880	nc	79	nc
1,2-Dichlorobenzene	0.12	U	0.21	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.11		0.14		0.13	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.13		0.13		0.20	U	1.1	ca	1,200	nc
Acetone	10		33		8.5		140,000	nc	31,000	nc
Benzene	1.0		3.1		3.4		1.6	ca	19	nc
Carbon Tetrachloride	0.56	J	0.77	J	0.78		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.16	U	0.15	U	220	nc	--	--
Chloroform	0.17	U	0.18		0.19		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.14	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.4	J	2.5		2.3		440	nc	--	--
Ethylbenzene	0.55		10		5.0		4.9	ca	3,000	nc
m,p-Xylenes	1.8		47		20		440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.63	U	0.59	U	47	ca	2,500	nc
Methylene Chloride	0.69	UJ	1.1	J	1.1	UJ	26	ca	1,000	nc
o-Xylene	0.63	J	15	J	6.2	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.24		0.38		0.22	U	2.1 (41 pending)	ca	--	--
Toluene	3.3		52		32		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.69	U	0.65	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)	0.094		0.094		0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.3		1.4		1.3		440	nc	--	--
Vinyl chloride	0.026	U	0.045	U	0.042	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 [November 2011]. 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

Sources:

[3] Ambient Air Sample AA1

[4] Maximum detected concentration.

Table 3
Indoor Air Sampling Results - March 28, 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)	0.19	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	0.22	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.54		0.59		0.62		130,000	nc	--	--
1,1,2-Trichloroethane	0.19	U	0.19	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.14	U	0.14	U	0.13	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.068	U	0.069	U	0.065	U	880	nc	79	nc
1,2-Dichlorobenzene	0.20	U	0.21	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.14	U	0.14	U	0.13	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.20	U	0.21	U	0.20	U	1.1	ca	1,200	nc
Acetone	10		13		8.5		140,000	nc	31,000	nc
Benzene	0.89		1.3		3.4		1.6	ca	19	nc
Carbon Tetrachloride	0.57		0.72		0.78		2.0	ca	190	nc
Chlorobenzene	0.16	U	0.16	U	0.15	U	220	nc	--	--
Chloroform	0.17	U	0.17	U	0.19		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.14	U	0.14	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.2		2.4		2.3		440	nc	--	--
Ethylbenzene	0.46		1.1		5.0		4.9	ca	3,000	nc
m,p-Xylenes	1.4		3.7		20		440	nc	2,600	nc
Methyl tert-butyl ether	0.62	U	0.63	U	0.59	U	47	ca	2,500	nc
Methylene Chloride	1.2	UJ	1.7	J	1.1	UJ	26	ca	1,000	nc
o-Xylene	0.51	J	1.2	J	6.2	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.24	U	0.37		0.22	U	2.1 (41 pending)	ca	--	--
Toluene	3.0		6.1		32		22,000	nc	--	--
trans-1,2-Dichloroethene	0.68	U	0.69	U	0.65	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.16	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)	1.2		1.3		1.3		440	nc	--	--
Vinyl chloride	0.044	U	0.045	U	0.042	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 [November 2011]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is

[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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

Sources:

Table 4
Indoor Air Sampling Results - March 29, 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	0.23		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	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50		0.62		0.58		130,000	nc	--	--
1,1,2-Trichloroethane	0.11	U	0.19	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)	0.066		0.074		0.30		880	nc	79	nc
1,2-Dichlorobenzene	0.12	U	0.20	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.11		0.11		0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.12	U	0.20	U	0.20	U	1.1	ca	1,200	nc
Acetone	24		570	E	9.0		140,000	nc	31,000	nc
Benzene	0.60		0.82		0.67		1.6	ca	19	nc
Carbon Tetrachloride	0.53	J	0.86		0.66		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.14		2.4		0.17	U	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.14	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.2		2.4		2.4		440	nc	--	--
Ethylbenzene	0.26		0.62		0.28		4.9	ca	3,000	nc
m,p-Xylenes	0.80	J	5.6	J	0.89	J	440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.62	U	0.62	U	47	ca	2,500	nc
Methylene Chloride	1.2	UJ	5.8	J	1.2	UJ	26	ca	1,000	nc
o-Xylene	0.22	J	1.3	J	0.30	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.26		0.45		0.82		2.1 (41 pending)	ca	--	--
Toluene	1.7		11		2.0		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.68	U	0.68	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.16	U	0.16	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.097		0.097		0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.2		1.4		1.5		440	nc	--	--
Vinyl chloride	0.026	U	0.044	U	0.044	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.
E = Chemical detected at levels above the calibration range. Quantitatively estimated.
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 [November 2011]. 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

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

Table 5
Indoor Air Sampling Results - March 28, 2012
Women and Children's Crisis Shelter - 12519 East Washington Blvd.
Samples WCCS2 through WCCS4; WCCS6, WCCS7 (and WCCS7 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	0.19	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.23	U	0.24	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.57		0.65		0.58		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)	0.084		0.096		0.30		880	nc	79	nc
1,2-Dichlorobenzene	0.20	U	0.21	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.14	U	0.14	U	0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.20	U	0.21	U	0.20	U	1.1	ca	1,200	nc
Acetone	7.6		8.8		9.0		140,000	nc	31,000	nc
Benzene	1.1		1.2		0.67		1.6	ca	19	nc
Carbon Tetrachloride	0.69		0.81		0.66		2.0	ca	190	nc
Chlorobenzene	0.15	U	0.16	U	0.16	U	220	nc	--	--
Chloroform	0.16	U	0.17	U	0.17	U	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.13	U	0.14	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.3		2.6		2.4		440	nc	--	--
Ethylbenzene	0.44		0.52		0.28		4.9	ca	3,000	nc
m,p-Xylenes	1.5		1.8		0.89	J	440	nc	2,600	nc
Methyl tert-butyl ether	0.60	U	0.63	U	0.62	U	47	ca	2,500	nc
Methylene Chloride	1.2	UJ	1.2	UJ	1.2	UJ	26	ca	1,000	nc
o-Xylene	0.52	J	0.68	J	0.30	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.36		0.48		0.82		2.1 (41 pending)	ca	--	--
Toluene	3.0		3.4		2.0		22,000	nc	--	--
trans-1,2-Dichloroethene	0.67	U	0.69	U	0.68	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	0.19	U	0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.3		1.4		1.5		440	nc	--	--
Vinyl chloride	0.043	U	0.045	U	0.044	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 [November 2011]. 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

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

Table 6
Indoor Air Sampling Results - March 28, 2012
Fred R. Rippy - 12471 E. Washington Blvd.
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)	0.11	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	0.22	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.56		0.64		0.58		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	0.13	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.044		0.044		0.30		880	nc	79	nc
1,2-Dichlorobenzene	0.12	U	0.19	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.11		0.11		0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.16		0.16		0.20	U	1.1	ca	1,200	nc
Acetone	140	E	360	E	9.0		140,000	nc	31,000	nc
Benzene	0.88		**1.7**	**J**	0.67		1.6	ca	19	nc
Carbon Tetrachloride	0.55	J	0.74	J	0.66		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.15	U	0.16	U	220	nc	--	--
Chloroform	0.16	U	0.22		0.17	U	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.13	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.4		2.7	J	2.4		440	nc	--	--
Ethylbenzene	1.2		1.8	J	0.28		4.9	ca	3,000	nc
m,p-Xylenes	4.9		6.1		0.89	J	440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.58	U	0.62	U	47	ca	2,500	nc
Methylene Chloride	32	J	80	J	1.2	UJ	26	ca	1,000	nc
o-Xylene	1.6	J	2.3	J	0.30	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.21	J	0.35	J	0.82		2.1 (41 pending)	ca	--	--
Toluene	3.4		6.1		2.0		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.64	U	0.68	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)	0.10		0.10		0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.2		1.4		1.5		440	nc	--	--
Vinyl chloride	0.026	U	0.041	U	0.044	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.
E = Chemical detected at levels above the calibration range. Quantitatively estimated.
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 [November 2011]. 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

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

Table 7
Indoor Air Sampling Results - March 28, 2012
Tomacico - 12533 East Washington Blvd.
Sample TOM1
Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations				Health Protective Screening Criteria			
	Indoor Building		Outdoor Air[3]		Long-Term Exposure [1]		Short Term Exposure [2]	
	ug/m^3		ug/m^3		ug/m^3	Key	ug/m^3	Key
1,1,1-Trichloroethane (1,1,1-TCA)	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	0.22	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.55		0.62		130,000	nc	--	--
1,1,2-Trichloroethane	0.19	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.14	U	0.13	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.068	U	0.065	U	880	nc	79	nc
1,2-Dichlorobenzene	0.20	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.18		0.13	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.20	U	0.20	U	1.1	ca	1,200	nc
Acetone	110	E	8.5		140,000	nc	31,000	nc
Benzene	1.3		3.4		1.6	ca	19	nc
Carbon Tetrachloride	0.75		0.78		2.0	ca	190	nc
Chlorobenzene	0.16	U	0.15	U	220	nc	--	--
Chloroform	**1.4**		0.19		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.14	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.1		2.3		440	nc	--	--
Ethylbenzene	0.85		5.0		4.9	ca	3,000	nc
m,p-Xylenes	3.1		20		440	nc	2,600	nc
Methyl tert-butyl ether	0.62	U	0.59	U	47	ca	2,500	nc
Methylene Chloride	1.7	J	1.1	UJ	26	ca	1,000	nc
o-Xylene	1.3	J	6.2	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.23		0.22	U	2.1 (41 pending)	ca	--	--
Toluene	7.0		32		22,000	nc	--	--
trans-1,2-Dichloroethene	0.68	U	0.65	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.16	U	0.15	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.18	U	0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	2.1		1.3		440	nc	--	--
Vinyl chloride	0.044	U	0.042	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
E = Chemical detected at levels above the calibration range. Quantitatively estimated
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 lifetin (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 using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (http://www.epa.gov/region09/superfund/prg/index.html [November 2011]. Exc 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 Toxi 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

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

Table 8
Indoor Air Sampling Results - March 28, 2012
Madsen Roofing - 12511 E. Putnam Street
Sample MR1
Omega Chemical Corporation Superfund Site, Whittier California

Chemical Name	Air Concentrations				Health Protective Screening Criteria			
	Indoor Building		Outdoor Air[3]		Long-Term Exposure [1]		Short Term Exposure [2]	
	ug/m^3		ug/m^3		ug/m^3	Key	ug/m^3	Key
1,1,1-Trichloroethane (1,1,1-TCA)	0.20	U	0.18	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.24	U	0.22	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.56		0.62		130,000	nc	--	--
1,1,2-Trichloroethane	0.20	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.14	U	0.13	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.071	U	0.065	U	880	nc	79	nc
1,2-Dichlorobenzene	0.22	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.16		0.13	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.22	U	0.20	U	1.1	ca	1,200	nc
Acetone	50		8.5		140,000	nc	31,000	nc
Benzene	3.3		3.4		1.6	ca*	19	nc
Carbon Tetrachloride	0.44		0.78		2.0	ca	190	nc
Chlorobenzene	0.16	U	0.15	U	220	nc	--	--
Chloroform	0.30		0.19		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.14	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.3		2.3		440	nc	--	--
Ethylbenzene	1.2		5.0		4.9	ca	3,000	nc
m,p-Xylenes	3.9		20		440	nc	2,600	nc
Methyl tert-butyl ether	0.64	U	0.59	U	47	ca	2,500	nc
Methylene Chloride	2.5	J	1.1	UJ	26	ca	1,000	nc
o-Xylene	1.5		6.2	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.65		0.22	U	2.1 (41 pending)	ca	--	--
Toluene	7.8		32		22,000	nc	--	--
trans-1,2-Dichloroethene	0.71	U	0.65	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.16	U	0.15	U	3.1	ca*	36	nc
Trichloroethene (TCE)	0.19	U	0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.5		1.3		440	nc	--	--
Vinyl chloride	0.046	U	0.042	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 both the Long-Term Health Protective Screening Criteria and 3 times the outdoor air concentration.
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 i
risk (indicated by "ca") for suspected cancer-causing substances (i.e., carcinogens). For chemicals that are not carcinogens, the air concentration values are protecti
(indicated by "nc") using standard U.S. Environmental Protection Agency (EPA) exposure assumptions for commercial use. (http://www.epa.gov/region09/superfund/p
2011]. Exceeding these EPA Industrial Air Regional Screening Levels (RSL) suggests that further evaluation is necessary but does not necessarily mean that a proble

[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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

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

Sources:

[3] Ambient Air Sample AA1

Table 9
Indoor Air Sampling Results - March 28, 2012

Medlin & Son -12484 E. Whittier Blvd.

Samples MS1 and MS2 and MS1 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	0.20	U	0.18	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.14	U	0.26	U	0.22	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.55		0.72		0.62		130,000	nc	--	--
1,1,2-Trichloroethane	0.20	U	0.41		0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.14	U	0.81	U	0.13	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.054		0.054		0.065	U	880	nc	79	nc
1,2-Dichlorobenzene	0.22	U	0.60	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.095	J	0.16	J	0.13	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.20		0.20		0.20	U	1.1	ca	1,200	nc
Acetone	44		68		8.5		140,000	nc	31,000	nc
Benzene	1.7		2.1		3.4		1.6	ca*	19	nc
Carbon Tetrachloride	0.45		0.56		0.78		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.17	U	0.15	U	220	nc	--	--
Chloroform	0.26		0.37		0.19		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.15	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.4		3.2		2.3		440	nc	--	--
Ethylbenzene	1.1		1.8	J	5.0		4.9	ca	3,000	nc
m,p-Xylenes	3.6		7.1	J	20		440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.67	U	0.59	U	47	ca	2,500	nc
Methylene Chloride	**34**	J	**59**	J	1.1	UJ	26	ca	1,000	nc
o-Xylene	1.3		3.1	J	6.2	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.51		0.64		0.22	U	2.1 (41 pending)	ca	--	--
Toluene	5.7		9.5	J	32		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.74	U	0.65	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.17	U	0.15	U	3.1	ca*	36	nc
Trichloroethene (TCE)	0.18		0.18		0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.2	J	1.5	J	1.3		440	nc	--	--
Vinyl chloride	0.026	U	0.048	U	0.042	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 both the Long Term Health Protective Screening Criteria and 3 times the outdoor air concentration.

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 [November 2011]. 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

Sources:

[3] Ambient Air Sample AA1

[4] Maximum detected concentration.

Table 10
Indoor Air Sampling Results - March 28, 2012
Star City Auto Body - 12504 E. Whittier Blvd.
Samples SC1 through SC3
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	0.58	U	0.18	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.23	U	0.73	U	0.22	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.56		0.57		0.62		130,000	nc	--	--
1,1,2-Trichloroethane	0.18	U	0.58	U	0.18	U	0.77	ca	--	--
1,1-Dichloroethane	0.14	U	0.43	U	0.13	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.067	U	0.21	U	0.065	U	880	nc	79	nc
1,2-Dichlorobenzene	0.20	U	0.64	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.14	U	0.43	U	0.13	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.20	U	0.64	U	0.20	U	1.1	ca	1,200	nc
Acetone	480	E	4000	E	8.5		140,000	nc	31,000	nc
Benzene	1.4		2.4		3.4		1.6	ca*	19	nc
Carbon Tetrachloride	0.62		0.68		0.78		2.0	ca	190	nc
Chlorobenzene	0.15	U	0.73		0.15	U	220	nc	--	--
Chloroform	0.16	U	0.52	U	0.19		0.53	ca	240	nc
cis-1,2-Dichloroethene	0.13	U	0.42	U	0.13	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.3		2.4		2.3		440	nc	--	--
Ethylbenzene	4.7		**74**		5.0		4.9	ca	3,000	nc
m,p-Xylenes	23	J	380	J	20		440	nc	2,600	nc
Methyl tert-butyl ether	0.60	U	1.9	U	0.59	U	47	ca	2,500	nc
Methylene Chloride	2.2	J	5.0	J	1.1	UJ	26	ca	1,000	nc
o-Xylene	7.6	J	140	J	6.2	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.23	U	0.72	U	0.22	U	2.1 (41 pending)	ca	--	--
Toluene	10		46		32		22,000	nc	--	--
trans-1,2-Dichloroethene	0.67	U	2.1	U	0.65	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.15	U	0.48	U	0.15	U	3.1	ca*	36	nc
Trichloroethene (TCE)	0.18	U	0.57	U	0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	1.2		1.2		1.3		440	nc	--	--
Vinyl chloride	0.043	U	0.14	U	0.042	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
E = Chemical detected at levels above the calibration range. Quantitatively estimated.
Bold value = measured value exceeds both the Long-Term Health Protective Screening Criteria and 3 times greater than the outdoor air concentration.
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 [November 2011]. 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

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

Table 11
Indoor Air Sampling Results - March 28, 2012

Intercommunity Dialysis Center (Former InterHealth) - 12455 East Washington Blvd.
Samples IH1 and IH2
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	0.16	U	0.19	U	22,000	nc	3,800	nc
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	0.14	U	0.20	U	0.23	U	0.21	ca	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.61		0.64		0.58		130,000	nc	--	--
1,1,2-Trichloroethane	0.11	U	0.16	U	0.19	U	0.77	ca	--	--
1,1-Dichloroethane	0.12	U	0.81	U	0.14	U	7.7	ca	--	--
1,1-Dichloroethene (1,1-DCE)	0.040	U	0.059	U	0.30		880	nc	79	nc
1,2-Dichlorobenzene	0.17	UJ	0.60	U	0.20	U	880	nc	--	--
1,2-Dichloroethane	0.081	U	0.15		0.14	U	0.47	ca	--	--
1,4-Dichlorobenzene	0.12	J	0.12	J	0.20	U	1.1	ca	1,200	nc
Acetone	10	J	16		9.0		140,000	nc	31,000	nc
Benzene	0.54		0.66		0.67		1.6	ca	19	nc
Carbon Tetrachloride	0.44		0.55		0.66		2.0	ca	190	nc
Chlorobenzene	0.092	U	0.14	U	0.16	U	220	nc	--	--
Chloroform	0.12		0.17		0.17	U	0.53	ca	240	nc
cis-1,2-Dichloroethene	0.079	U	0.12	U	0.14	U	--	--	--	--
Dichlorodifluoromethane (Freon 12)	2.7	J	18	J	2.4		440	nc	--	--
Ethylbenzene	0.16	J	0.35	J	0.28		4.9	ca	3,000	nc
m,p-Xylenes	0.39	J	1.1	J	0.89	J	440	nc	2,600	nc
Methyl tert-butyl ether	0.36	U	0.54	U	0.62	U	47	ca	2,500	nc
Methylene Chloride	0.69	UJ	2.9	J	1.2	UJ	26	ca	1,000	nc
o-Xylene	0.13	U	0.44		0.30	J	440	nc	2,600	nc
Tetrachloroethene (PCE)	0.20	U	0.23		0.82		2.1 (41 pending)	ca	--	--
Toluene	1.5	J	4.8		2.0		22,000	nc	--	--
trans-1,2-Dichloroethene	0.40	U	0.59	U	0.68	U	260	nc	800	nc
trans-1,3-Dichloropropene	0.091	U	0.14	U	0.16	U	3.1	ca	36	nc
Trichloroethene (TCE)	0.095		0.095		0.18	U	3.0	ca	540	nc
Trichlorofluoromethane (Freon 11)	20		30	J	1.5		440	nc	--	--
Vinyl chloride	0.026	U	0.038	U	0.044	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 [November 2011]. 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 Substance 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).

EPA Industrial Air RSL shown in parenthesis is pending and anticipated to be posted to the Regional Screening Levels website in Spring 2012.

- 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

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

Table 12
Interim SVE System and Sub-Surface Depressurization System - Data Quality Assessment Table
Omega Chemical Superfund Site

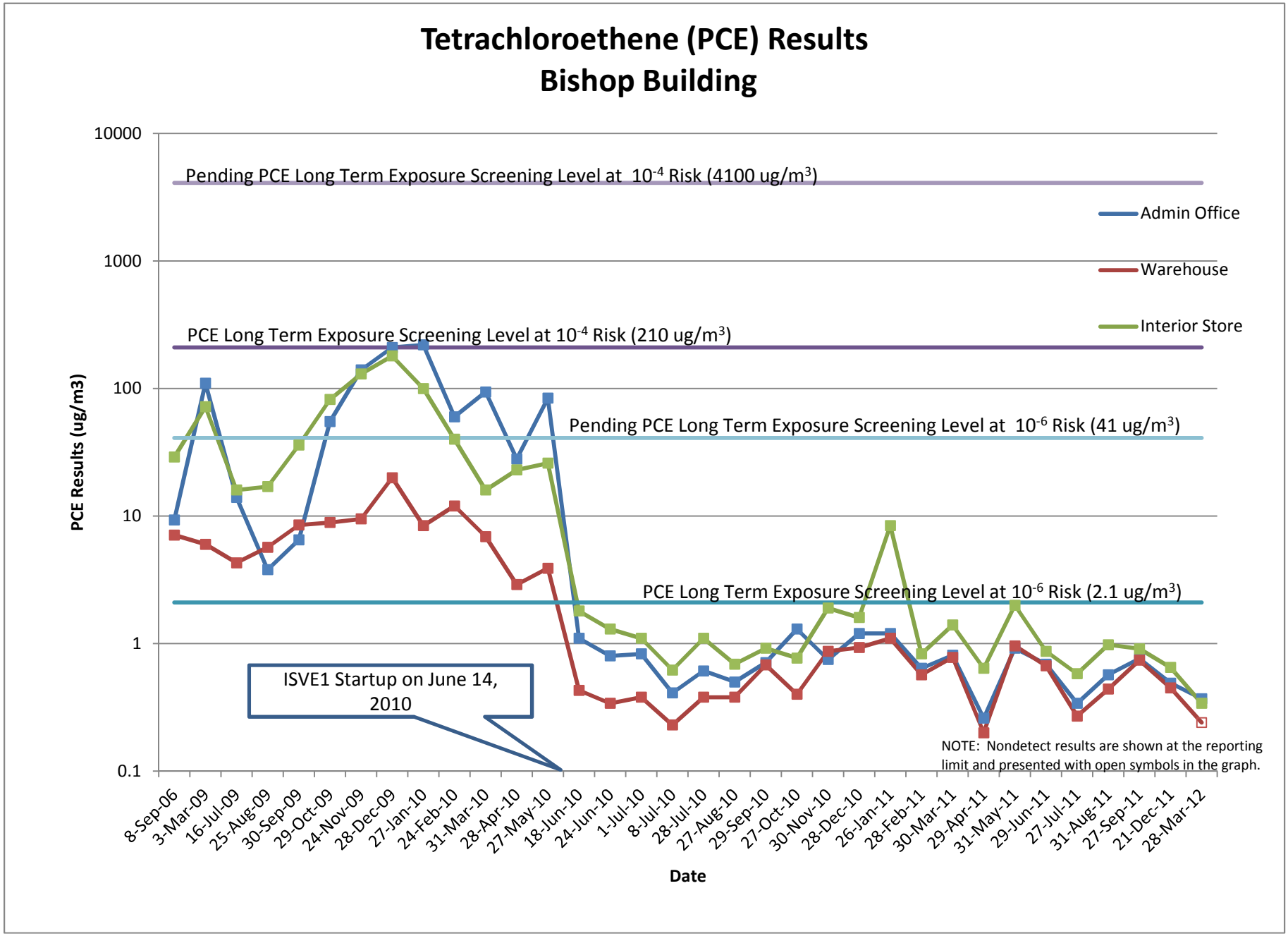
Treatment System	Sampling Event	Sampling Rationale	Frequency of Analysis	Matrix	Lab WO#	Sampling Date	Field Quality Control Samples	Level 4 validation	Review of Laboratory Quality Control Samples	Data Usability
ISVE1	ISVE1 - Vapor Extraction Wells (VEW) and Vapor Monitoring Probe (VMP)									
		VEWs and VMPs are sampled to evaluate the performance of the treatment system	VEWs: Monthly during first six months, Quarterly thereafter VMPs: Quarterly	Air	D011901 (VEWs)	16-Jan-12	Equipment and trip blanks are not needed. Field duplicates are not collected for VEW monthly sampling	No	MB, LCS/LCSD, surrogates, calibration and tuning summaries	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.
					12-02-1268 (VEWs)	20-Feb-12		Yes	See validation memo	See validation memo
					12-03-1881 (VEWs)	26-Mar-12		No	MB, LCS/LCSD, surrogates, calibration and tuning summaries	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.
					12-03-1880 (VMPs)	27-Mar-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 toluene and tetrachloroethene results in field duplicate pair VMP-3; and the 1,1-DCE, Freon 113, Freon 11, acetone, TCE, 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	D011902	16-Jan-12	Equipment and trip blanks are not needed. Field duplicates are not needed for this treatment assessment sampling.	No	MB, LCS/LCSD, surrogates, calibration and tuning summaries	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.
					12-02-1270	20-Feb-12			MB, LCS/LCSD, surrogates, calibration and tuning summaries	
					12-03-1882	26-Mar-12			MB, LCS/LCSD, surrogates, calibration and tuning summaries	

Table 12
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	12-02-1672 (VEWs)	28-Feb-12	Equipment and trip blanks are not needed. Field duplicates are not collected for VEW monthly 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, except for the 1,4-bromofluorobenzene surrogate, which recovered above the laboratory limits due to dilution. Therefore, no action was taken.
					12-03-2047	30-Mar-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, except for 1,2,4-trichlorobenzene, which recovered above the LCS/LCSD limits, however 1,2,4-trichlorobenzene results weren't detected in any results and therefore no action was taken.
	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	12-02-1673	28-Feb-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, except for the 1,4-bromofluorobenzene surrogate, which recovered above the laboratory limits due to dilution. Therefore, no action was taken.
					12-03-0423	7-Mar-12				Results are usable for project objectives. Holding times, reporting limits, target compound list, method blank, surrogates, and LCS/LCSD criteria were all met.
					12-03-2047	30-Mar-12				See above. These results were included in the VEW samples collected from ISVE2 on March 30, 2012.
SSD	**Sub-Slab Depressurization Sampling**									
		Analysis of the sub-slab monitoring points	As needed	Air	12-03-2049	29-Mar-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.

The data were reviewed by Elizabeth Fortuna and 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 TCE and PCE Concentrations


Tetrachloroethene (PCE) Results
Bishop Building
10000
1000
100
10
1
0.1
PCE Results (ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
Admin Office
Warehouse
Interior Store
ISVE1 Startup on June 14, 2010
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
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
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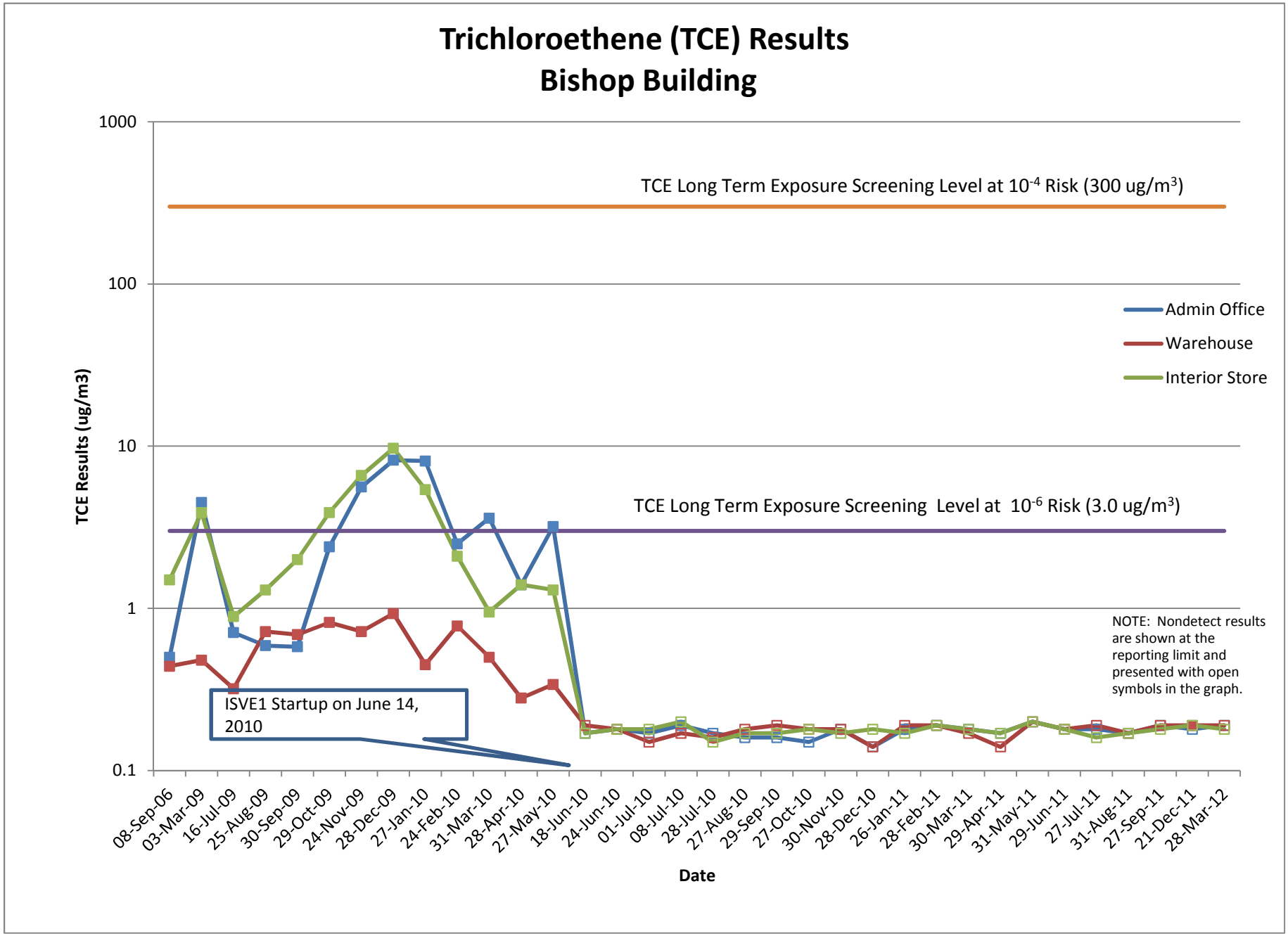
27-Jul-11
31-Aug-11
27-Sep-11
21-Dec-11
28-Mar-12
Date


Trichloroethene (TCE) Results
Bishop Building
TCE Results (ug/m3)
1000
100
10
1
0.1
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
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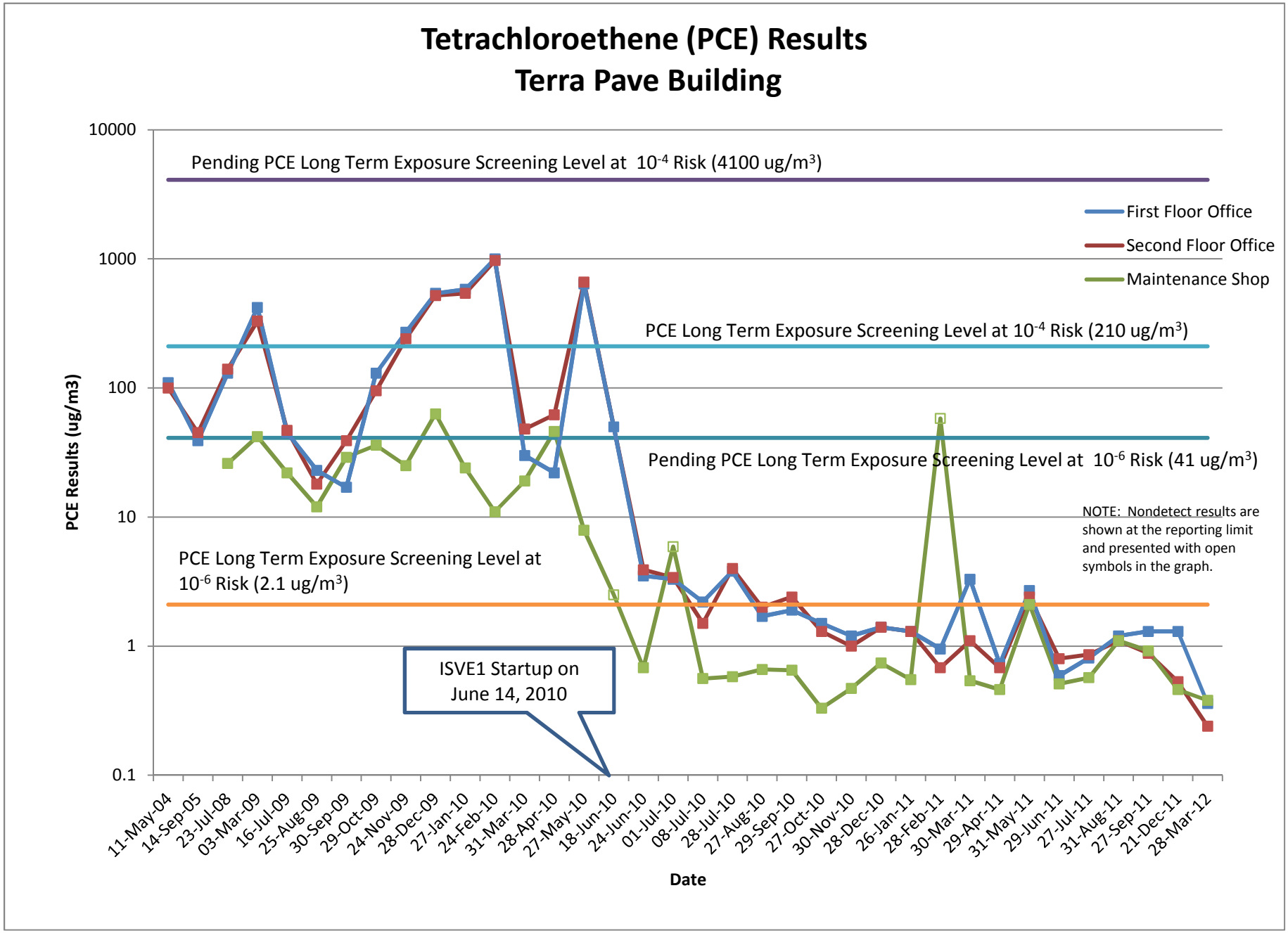
29-Jun-11
27-Jul-11
31-Aug-11
27-Sep-11
21-Dec-11
28-Mar-12
Date


Tetrachloroethene (PCE) Results
Terra Pave Building
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
First Floor Office
Second Floor Office
Maintenance Shop
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
ISVE1 Startup on June 14, 2010
PCE Results (ug/m3)
10000
1000
100
10
1
0.1
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
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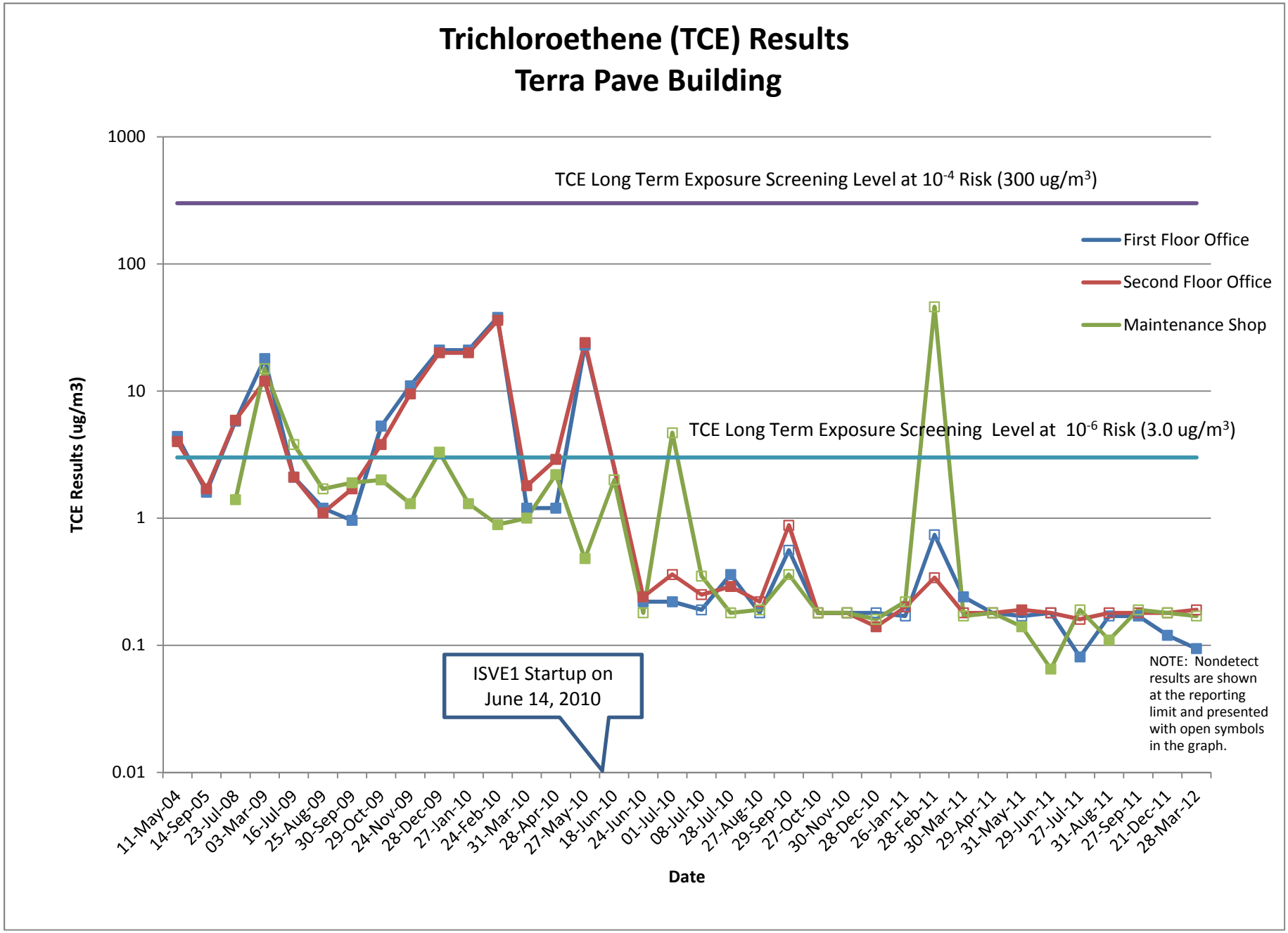
21-Dec-11
28-Mar-12
Date


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)
1000
100
10
1
0.1
0.01
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
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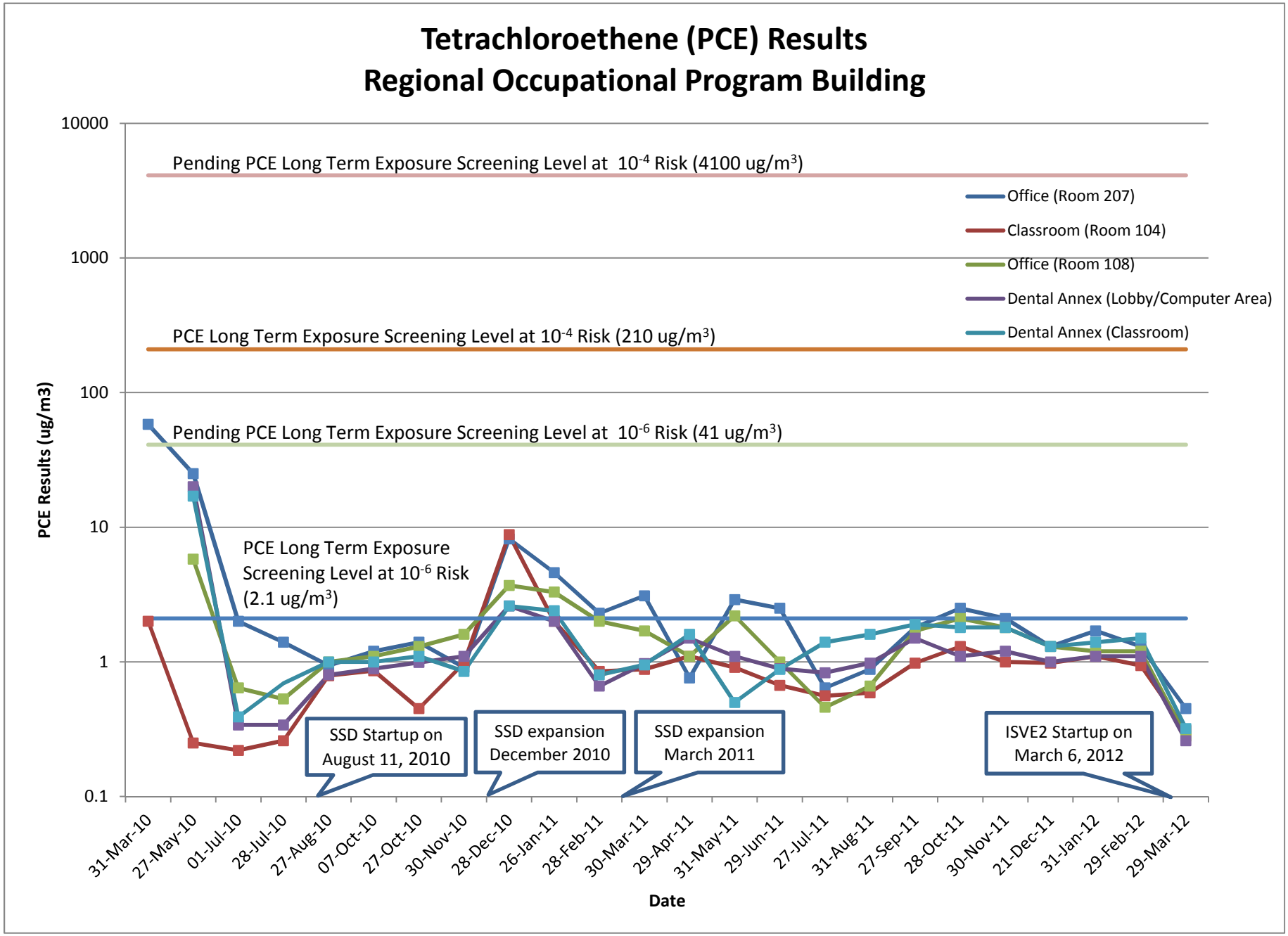
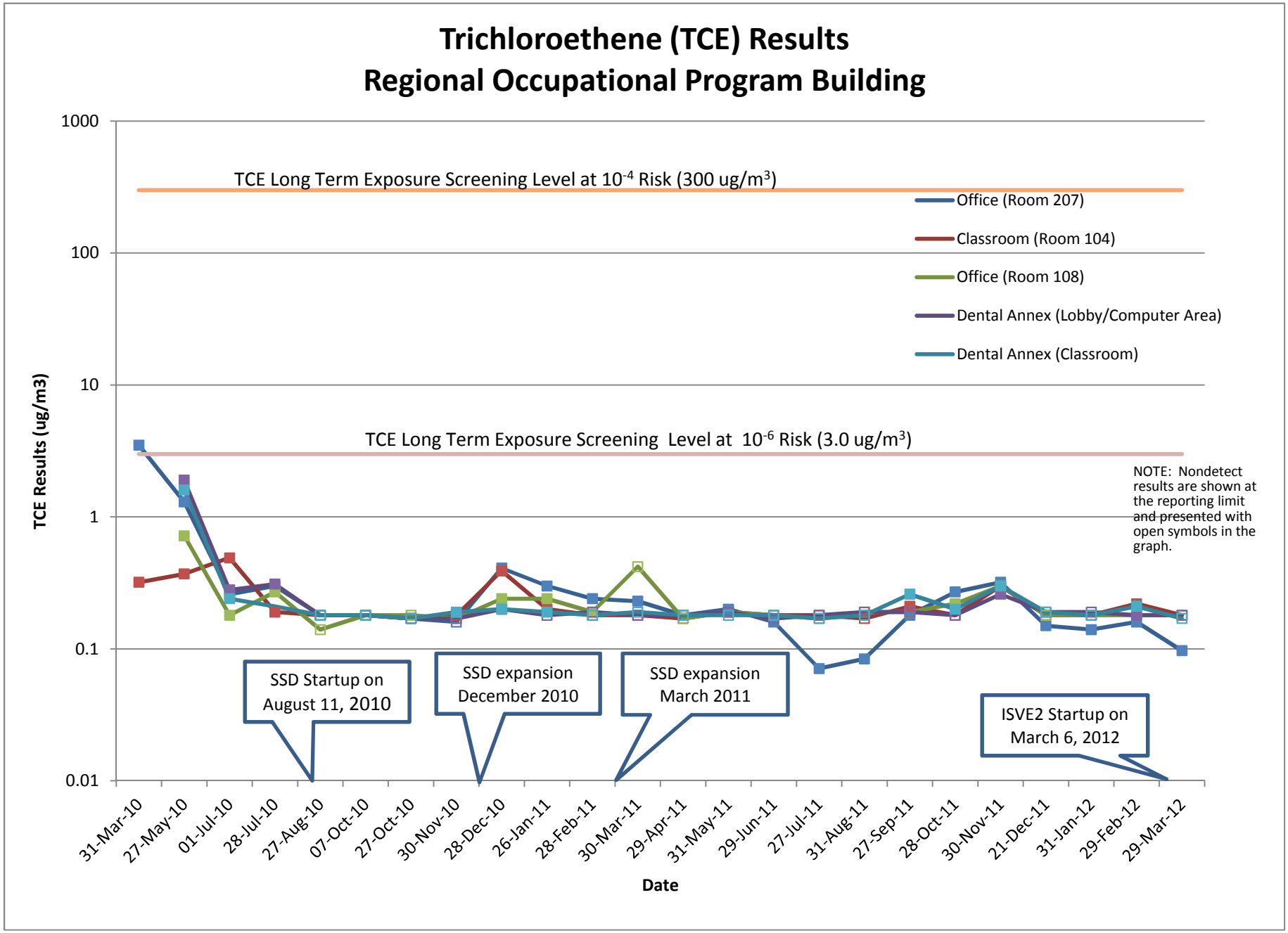
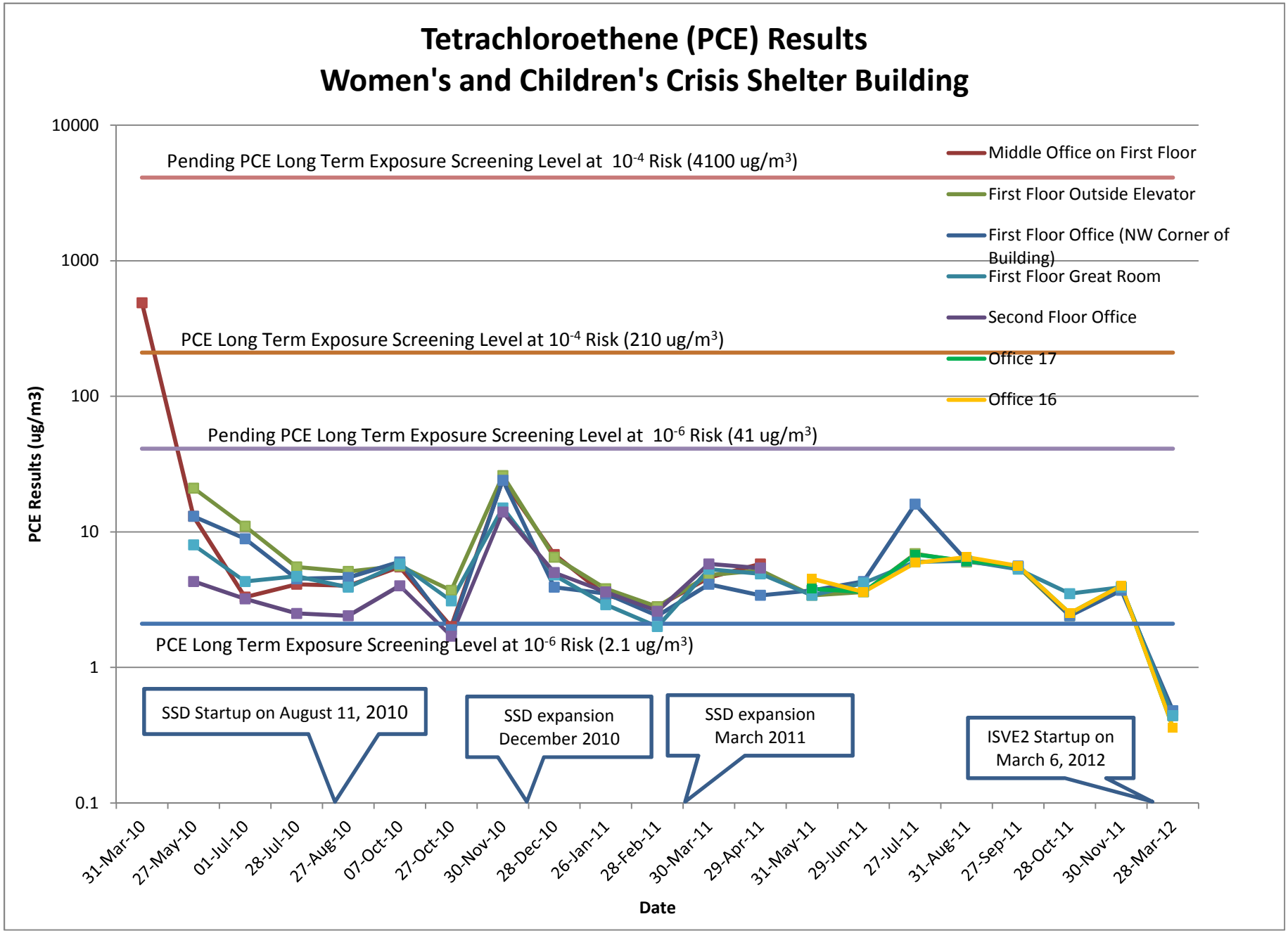
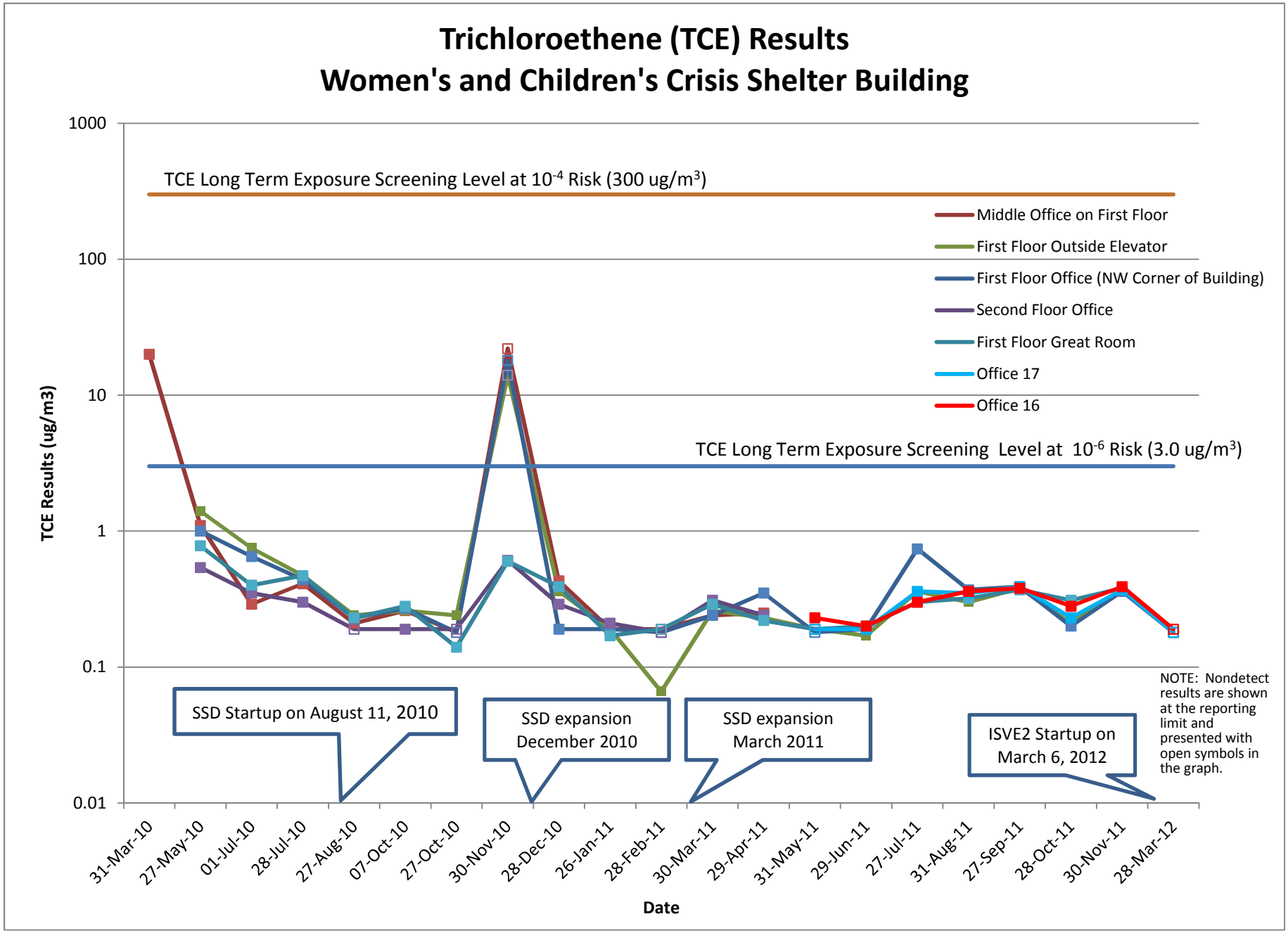
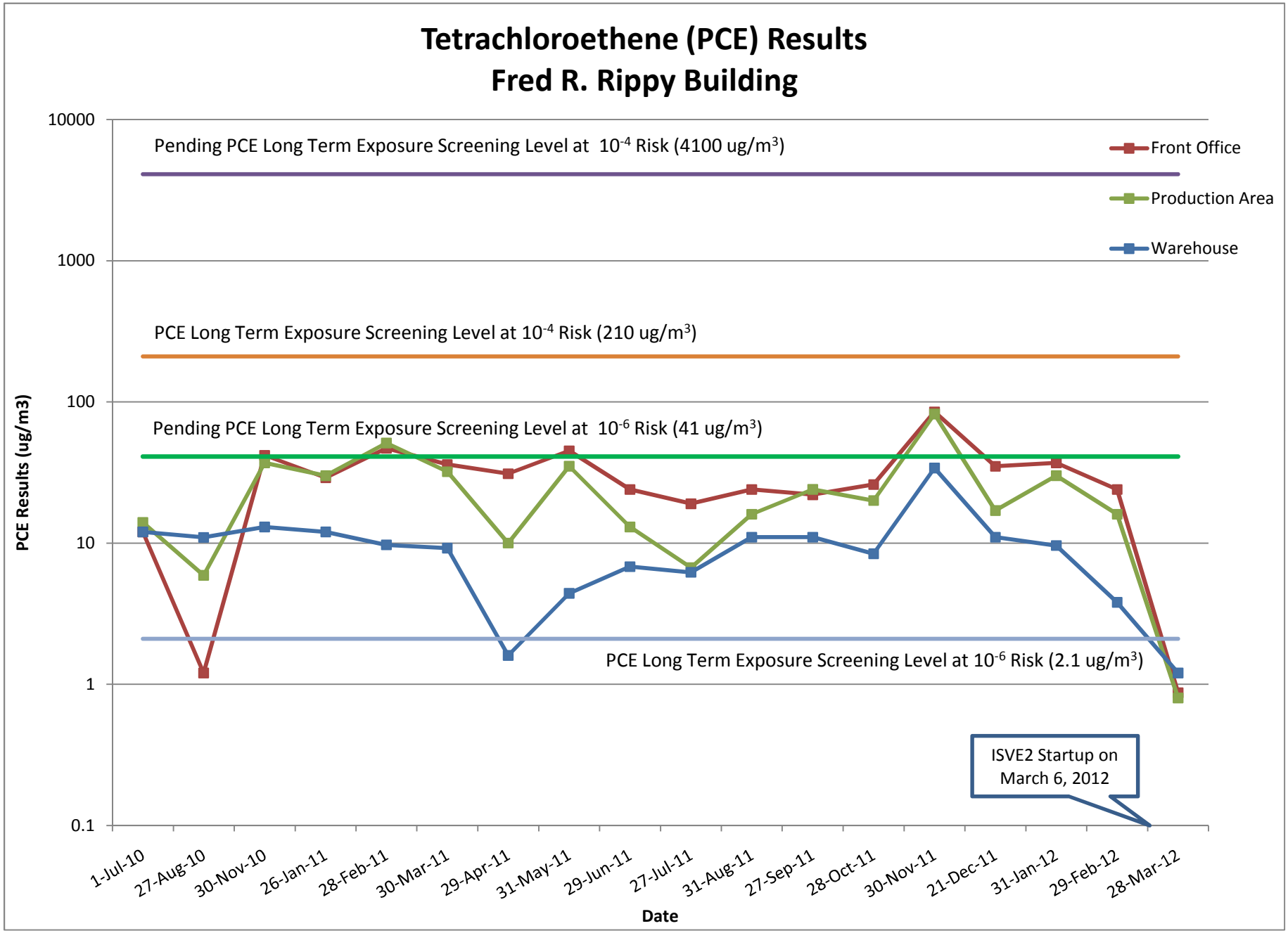
27-Sep-11
21-Dec-11
28-Mar-12
Date

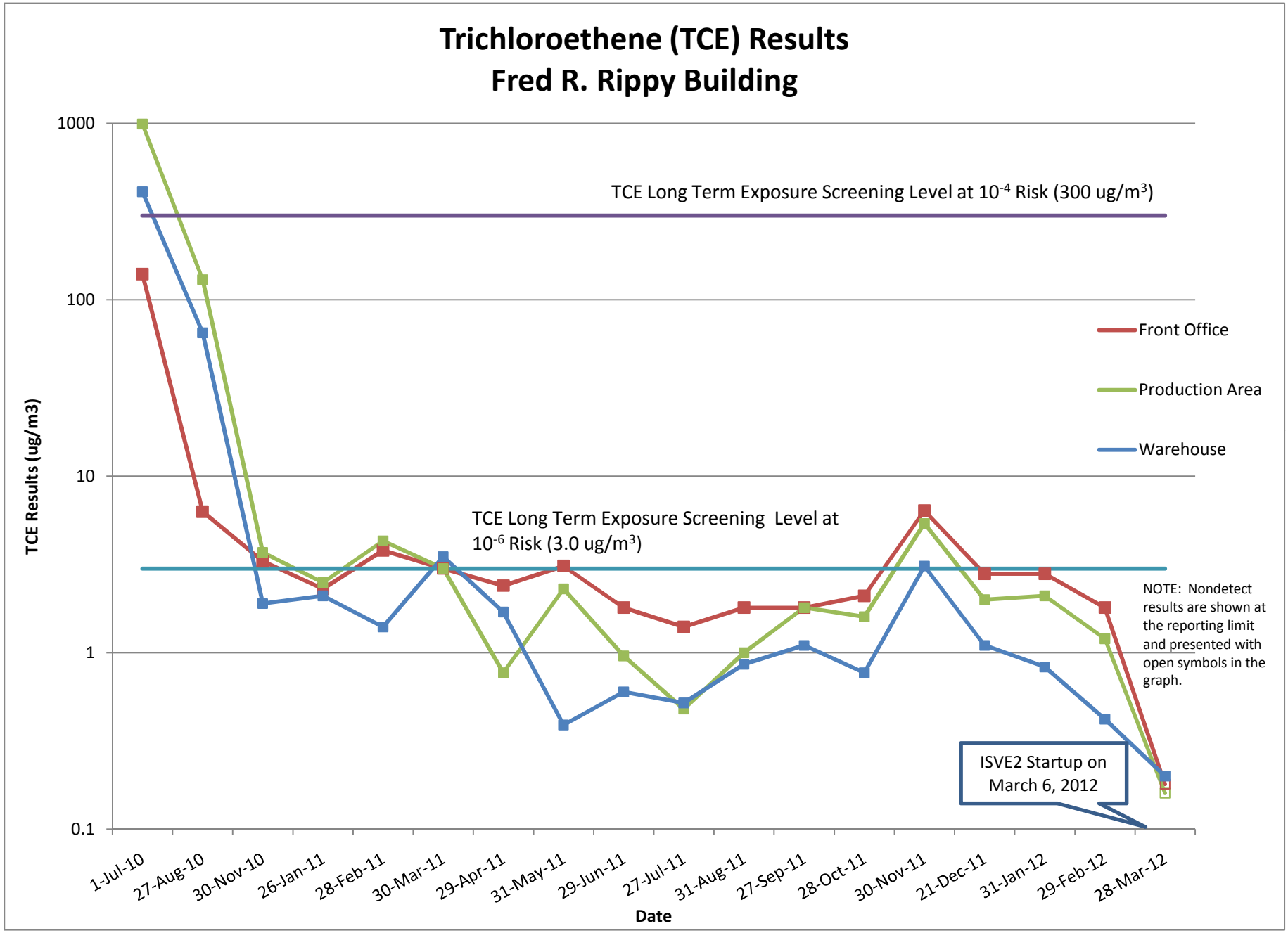

Tetrachloroethene (PCE) Results
Regional Occupational Program Building
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
Office (Room 207)
Classroom (Room 104)
Office (Room 108)
Dental Annex (Lobby/Computer Area)
Dental Annex (Classroom)
SSD Startup on August 11, 2010
SSD expansion December 2010
SSD expansion March 2011
ISVE2 Startup on March 6, 2012
PCE Results (ug/m3)
10000
1000
100
10
1
0.1
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
Date

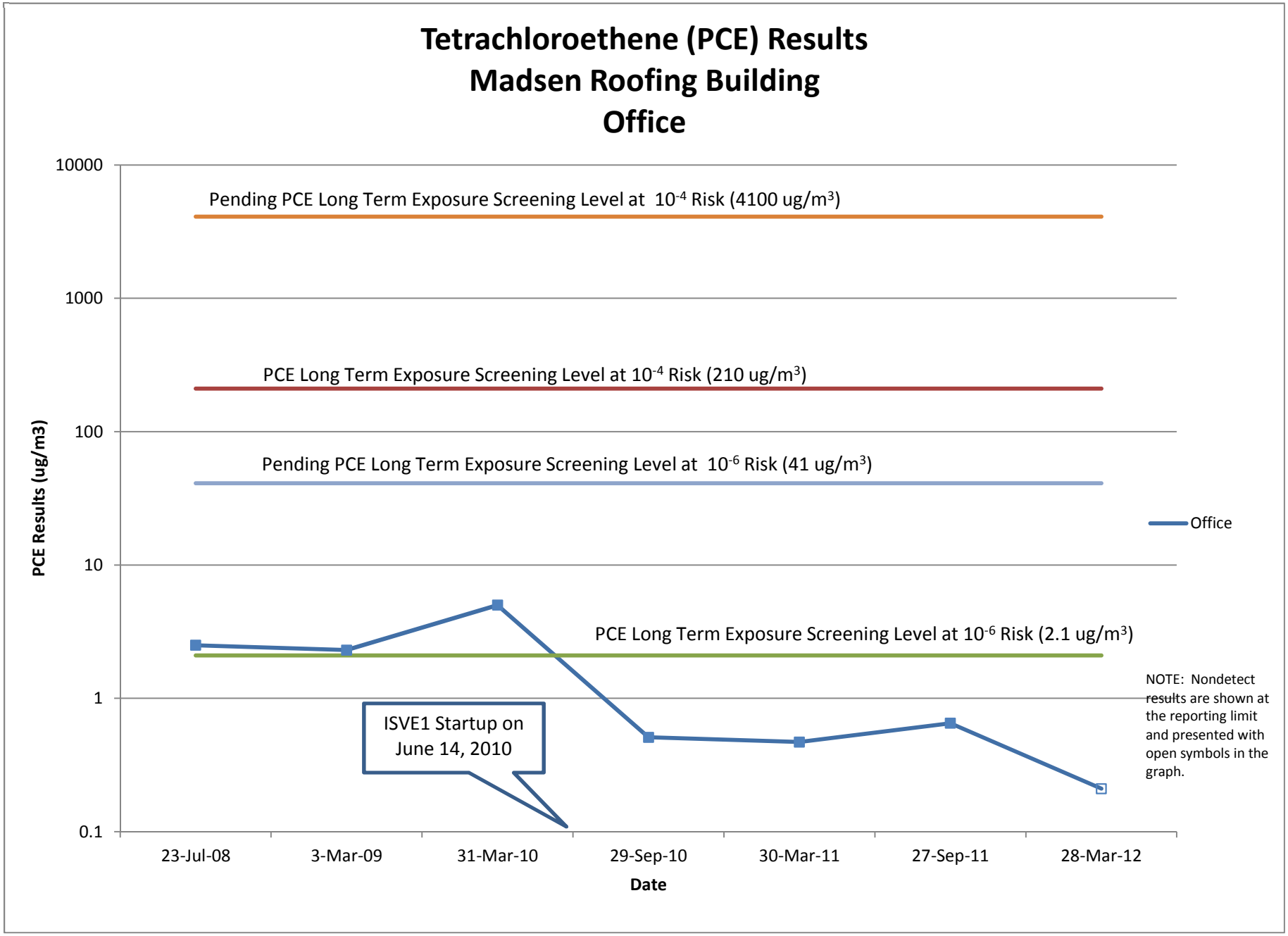

Trichloroethene (TCE) Results
Regional Occupational Program Building
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Office (Room 207)
Classroom (Room 104)
Office (Room 108)
Dental Annex (Lobby/Computer Area)
Dental Annex (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
TCE Results (ug/m3)
1000
100
10
1
0.1
0.01
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
Date

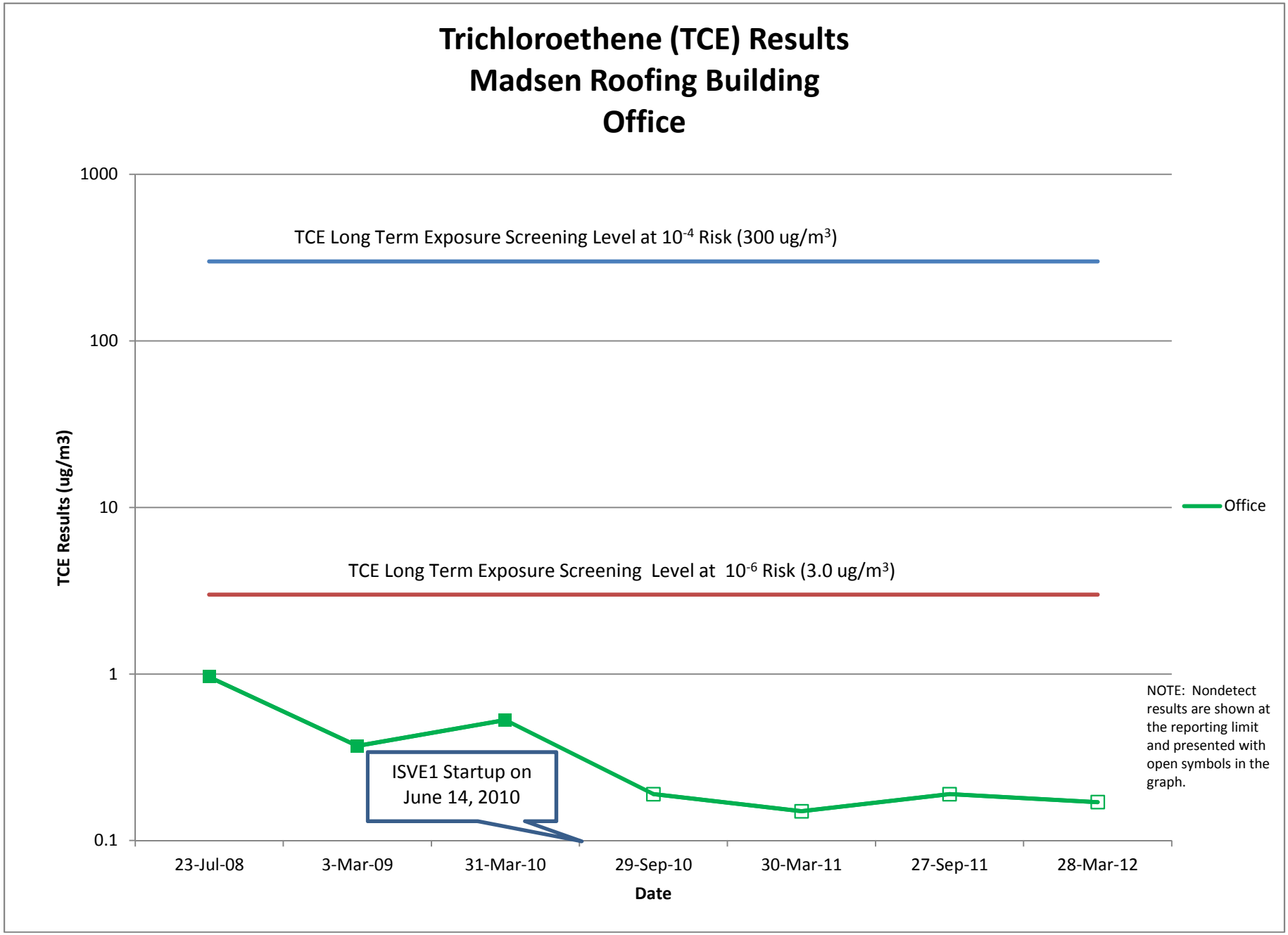

Tetrachloroethene (PCE) Results
Women's and Children's Crisis Shelter Building
PCE Results (ug/m3)
10000
1000
100
10
1
0.1
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 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
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
28-Mar-12
Date

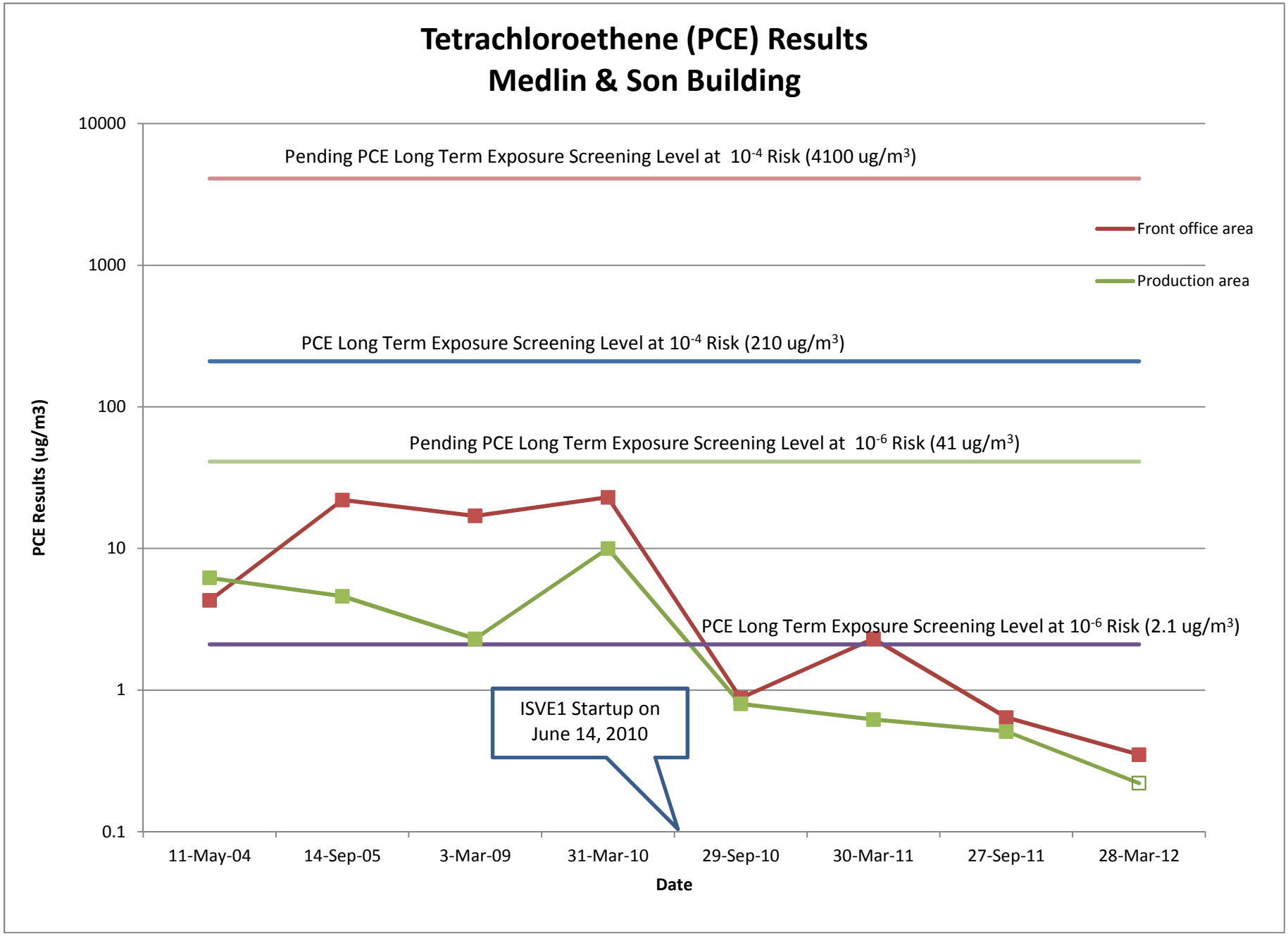

Trichloroethene (TCE) Results
Women's and Children's Crisis Shelter Building
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Middle Office on First Floor
First Floor Outside Elevator
First Floor Office (NW Corner of Building)
Second Floor Office
First Floor Great Room
Office 17
Office 16
TCE Results (ug/m3)
1000
100
10
1
0.1
0.01
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
31-Aug-11
27-Sep-11
28-Oct-11
30-Nov-11
28-Mar-12
Date

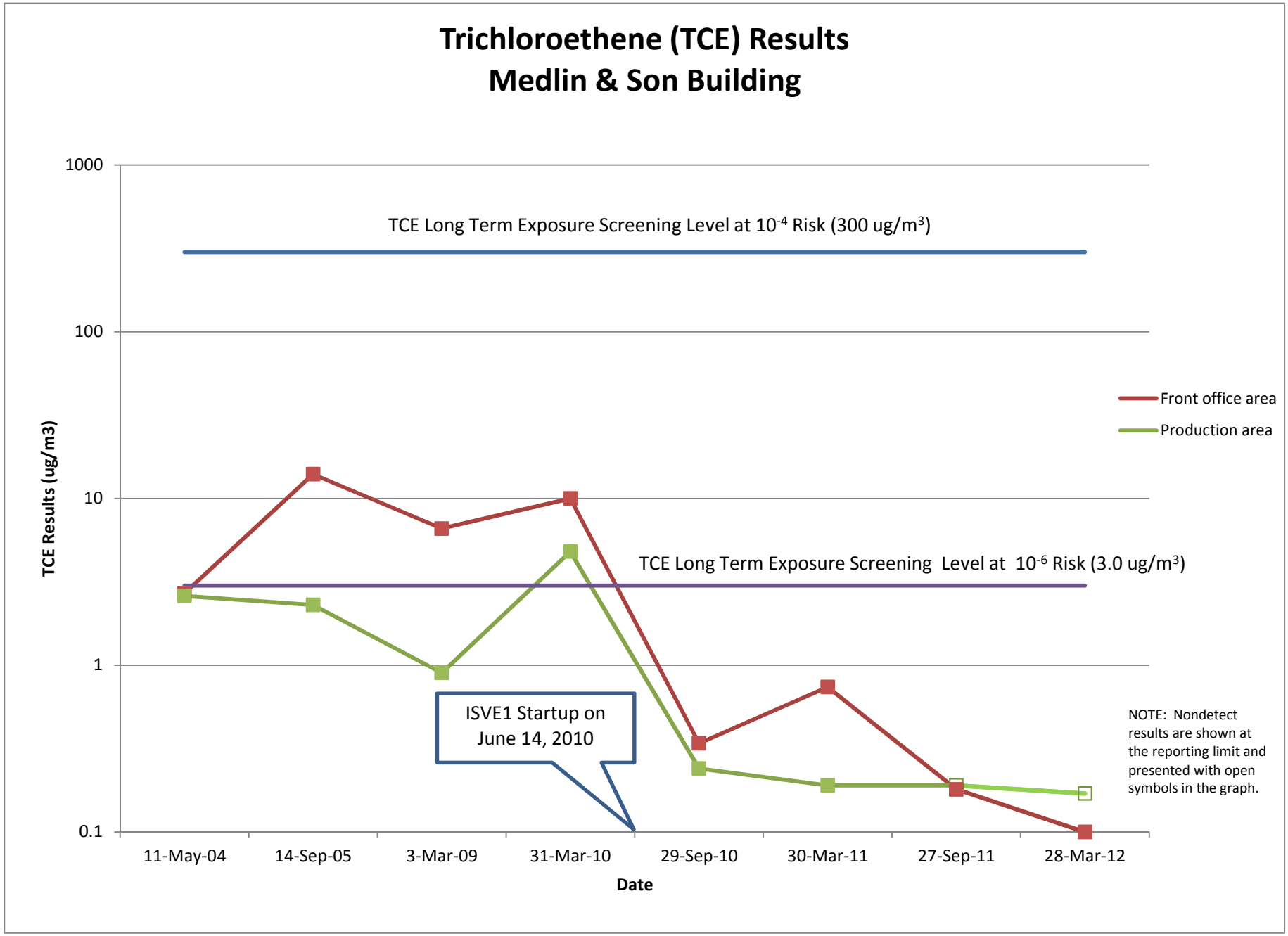

Tetrachloroethene (PCE) Results
Fred R. Rippy Building
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
Front Office
Production Area
Warehouse
ISVE2 Startup on March 6, 2012
PCE Results (ug/m3)
10000
1000
100
10
1
0.1
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
Date

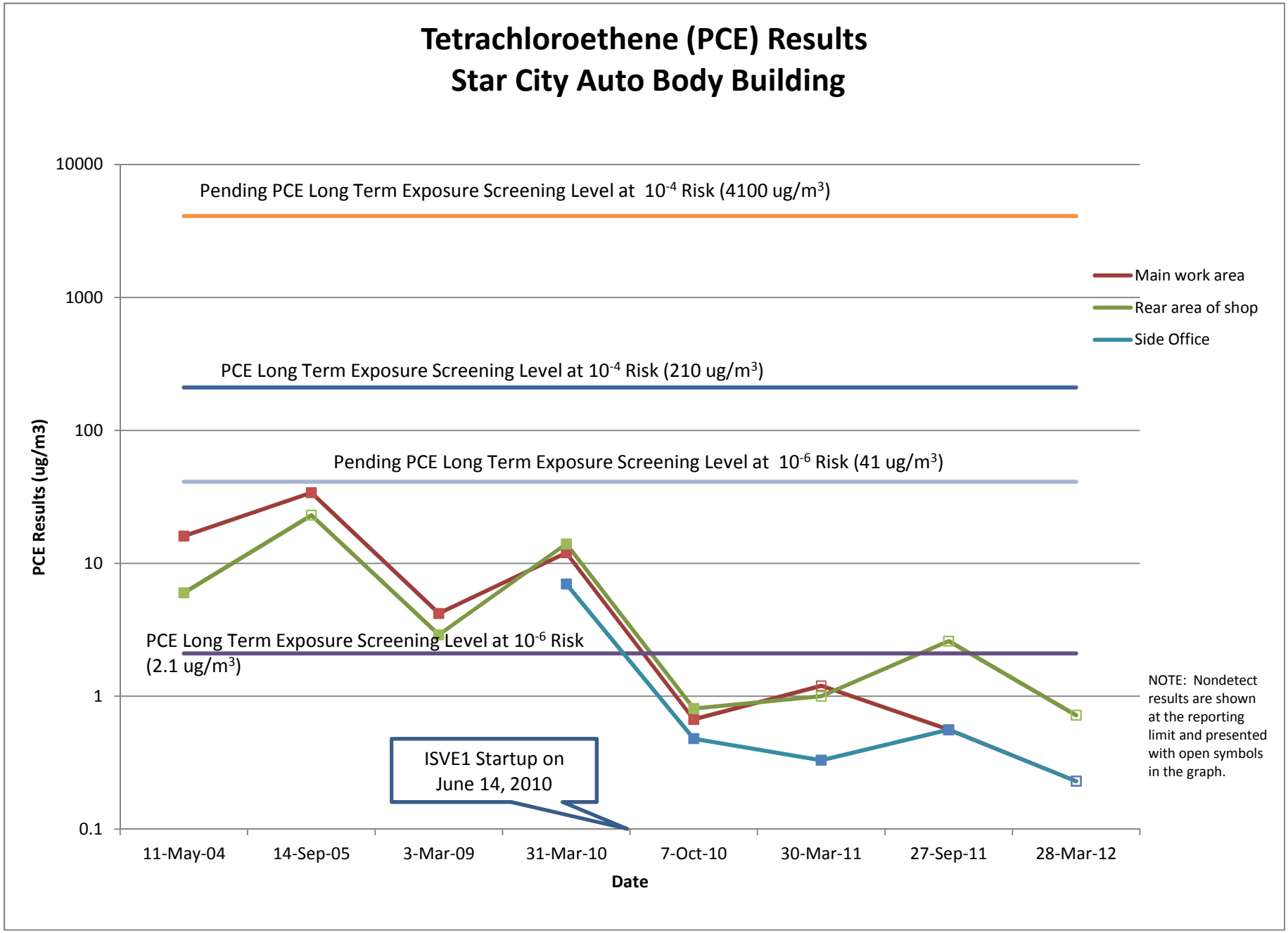

Trichloroethene (TCE) Results
Fred R. Rippy Building
TCE Results (ug/m3)
1000
100
10
1
0.1
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Front Office
Production Area
Warehouse
NOTE: Nondetect results are shown at the reporting 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
Date

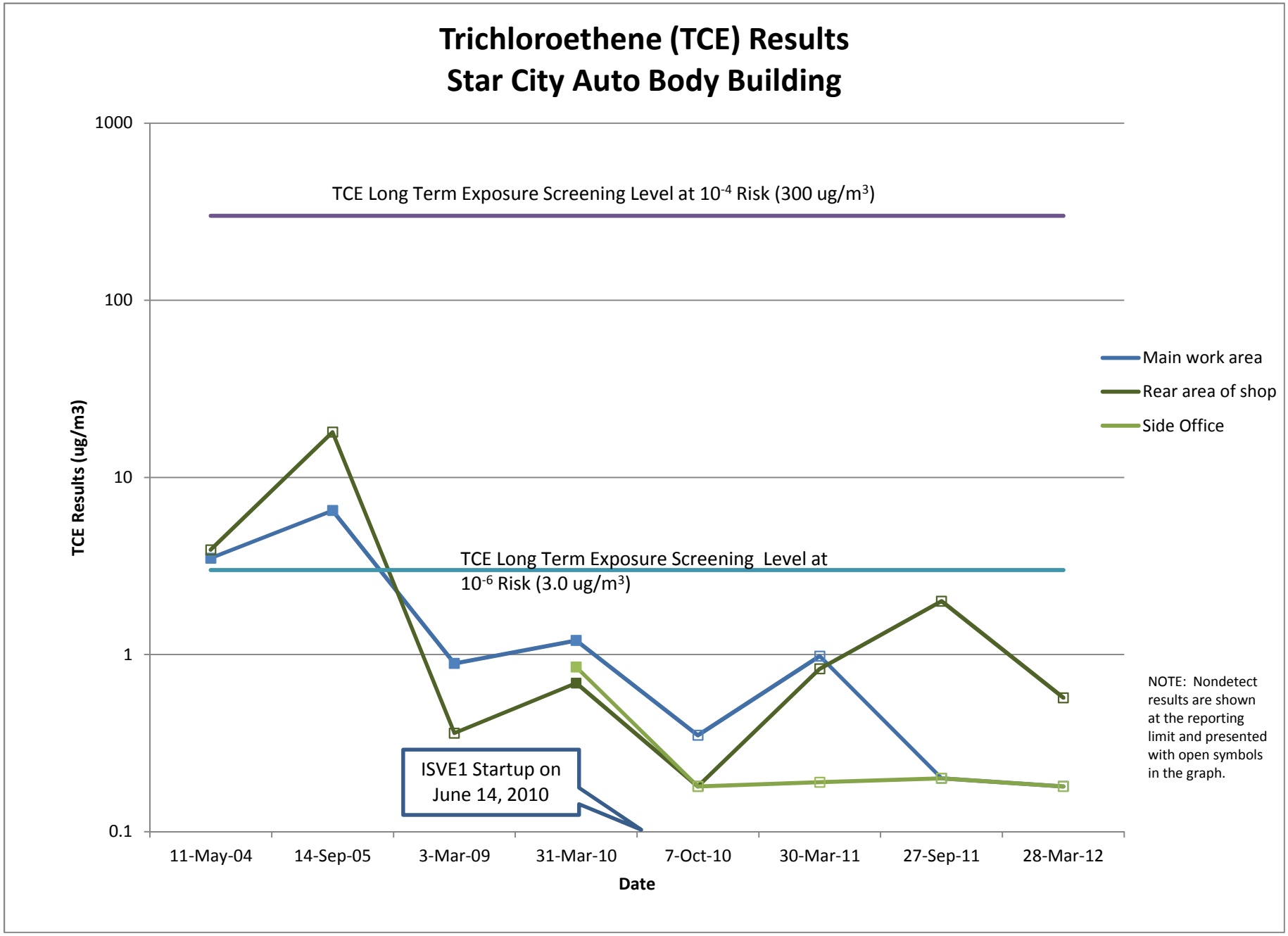

Tetrachloroethene (PCE) Results
Madsen Roofing Building
Office
10000
1000
100
10
1
0.1
PCE Results (ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
Office
ISVE1 Startup on June 14, 2010
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
23-Jul-08
3-Mar-09
31-Mar-10
29-Sep-10
30-Mar-11
27-Sep-11
28-Mar-12
Date

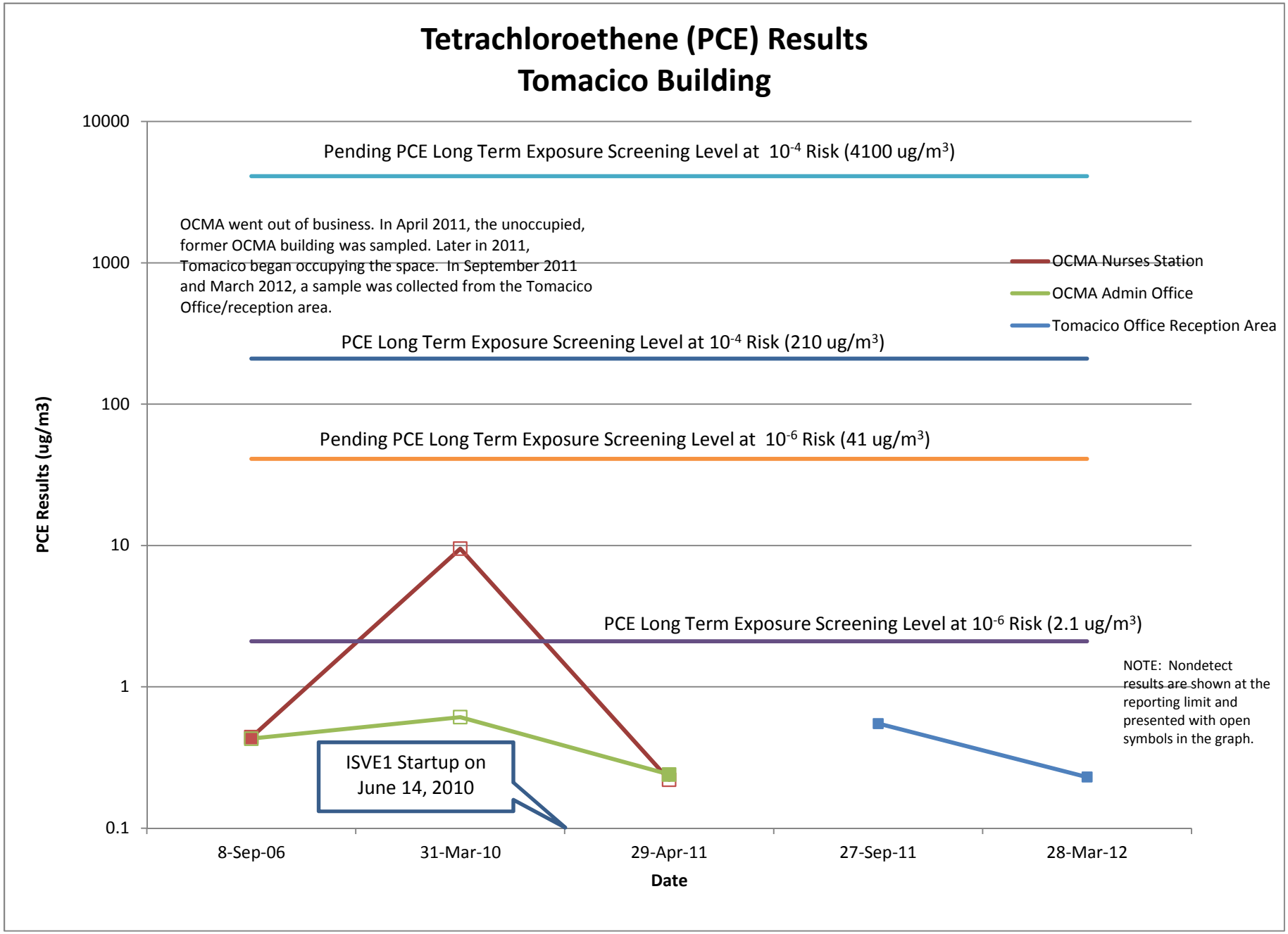

Trichloroethene (TCE) Results
Madsen Roofing Building
Office
1000
100
10
1
0.1
TCE Results (ug/m3)
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Office
ISVE1 Startup on June 14, 2010
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
23-Jul-08
3-Mar-09
31-Mar-10
29-Sep-10
30-Mar-11
27-Sep-11
28-Mar-12
Date

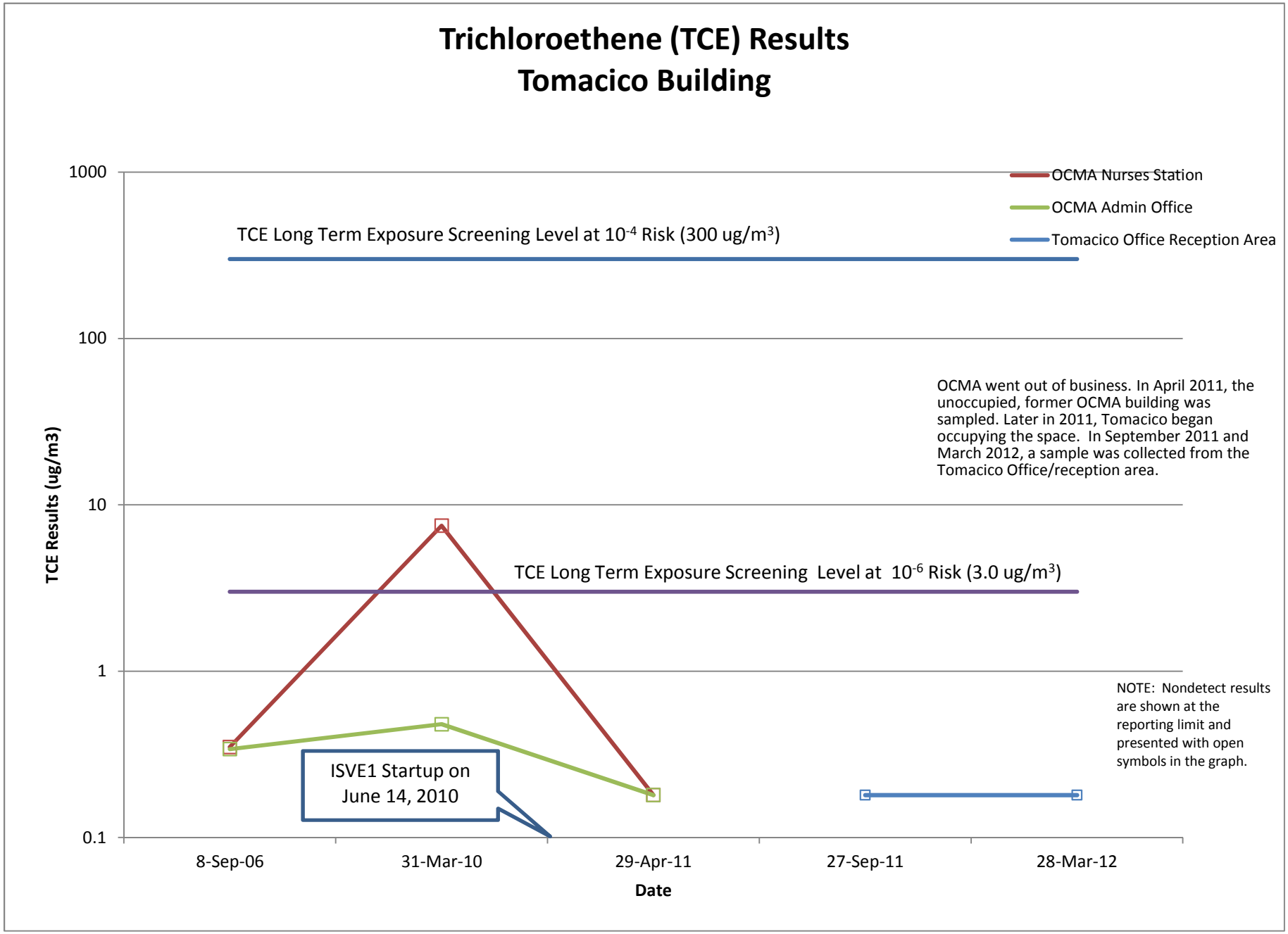

Tetrachloroethene (PCE) Results
Medlin & Son Building
10000
1000
100
10
1
0.1
PCE Results (ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
Front office area
Production area
ISVE1 Startup on June 14, 2010
11-May-04
14-Sep-05
3-Mar-09
31-Mar-10
29-Sep-10
30-Mar-11
27-Sep-11
28-Mar-12
Date

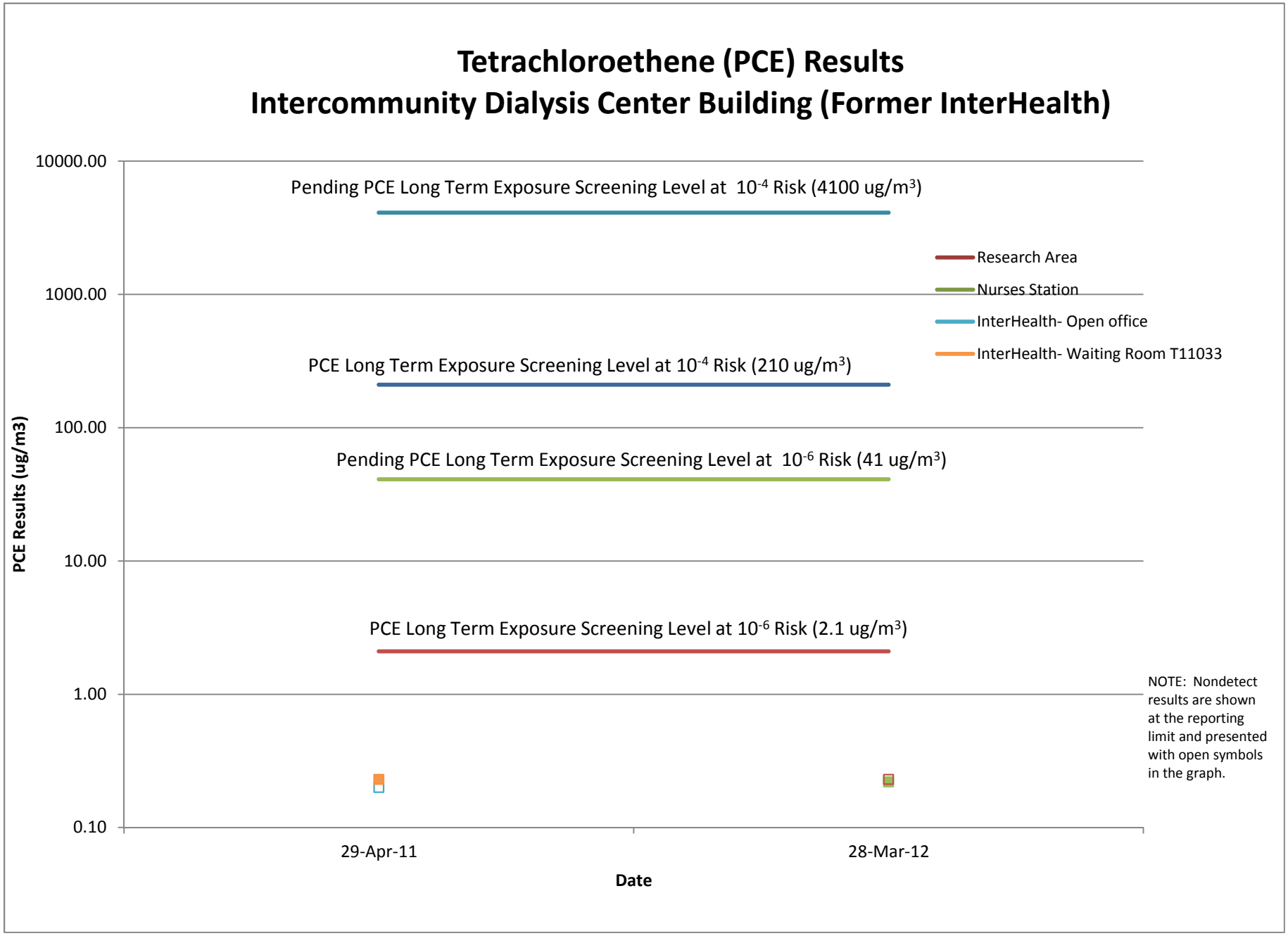

Trichloroethene (TCE) Results
Medlin & Son Building
1000
100
10
1
0.1
TCE Results (ug/m3)
TCE Long Term Exposure Screening Level at 10-4 Risk (300 ug/m3)
TCE Long Term Exposure Screening Level at 10-6 Risk (3.0 ug/m3)
Front office area
Production area
ISVE1 Startup on June 14, 2010
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
11-May-04
14-Sep-05
3-Mar-09
31-Mar-10
29-Sep-10
30-Mar-11
27-Sep-11
28-Mar-12
Date

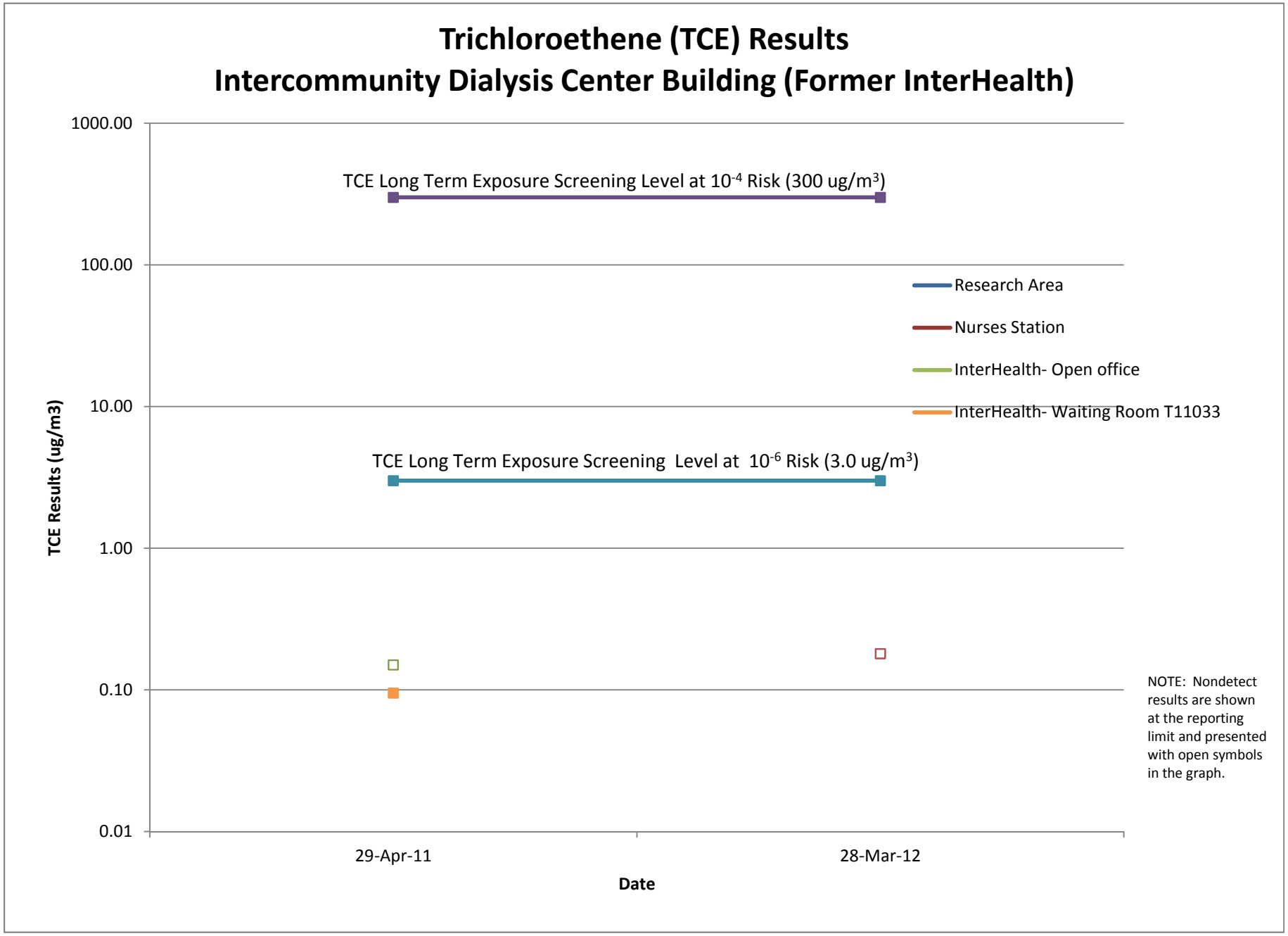

Tetrachloroethene (PCE) Results
Star City Auto Body Building
10000
1000
100
10
1
0.1
PCE Results (ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
ISVE1 Startup on June 14, 2010
Main work area
Rear area of shop
Side Office
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
11-May-04
14-Sep-05
3-Mar-09
31-Mar-10
7-Oct-10
30-Mar-11
27-Sep-11
28-Mar-12
Date


Trichloroethene (TCE) Results
Star City Auto Body Building
1000
100
10
1
0.1
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)
ISVE1 Startup on
June 14, 2010
Main work area
Rear area of shop
Side Office
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
11-May-04
14-Sep-05
3-Mar-09
31-Mar-10
7-Oct-10
30-Mar-11
27-Sep-11
28-Mar-12
Date

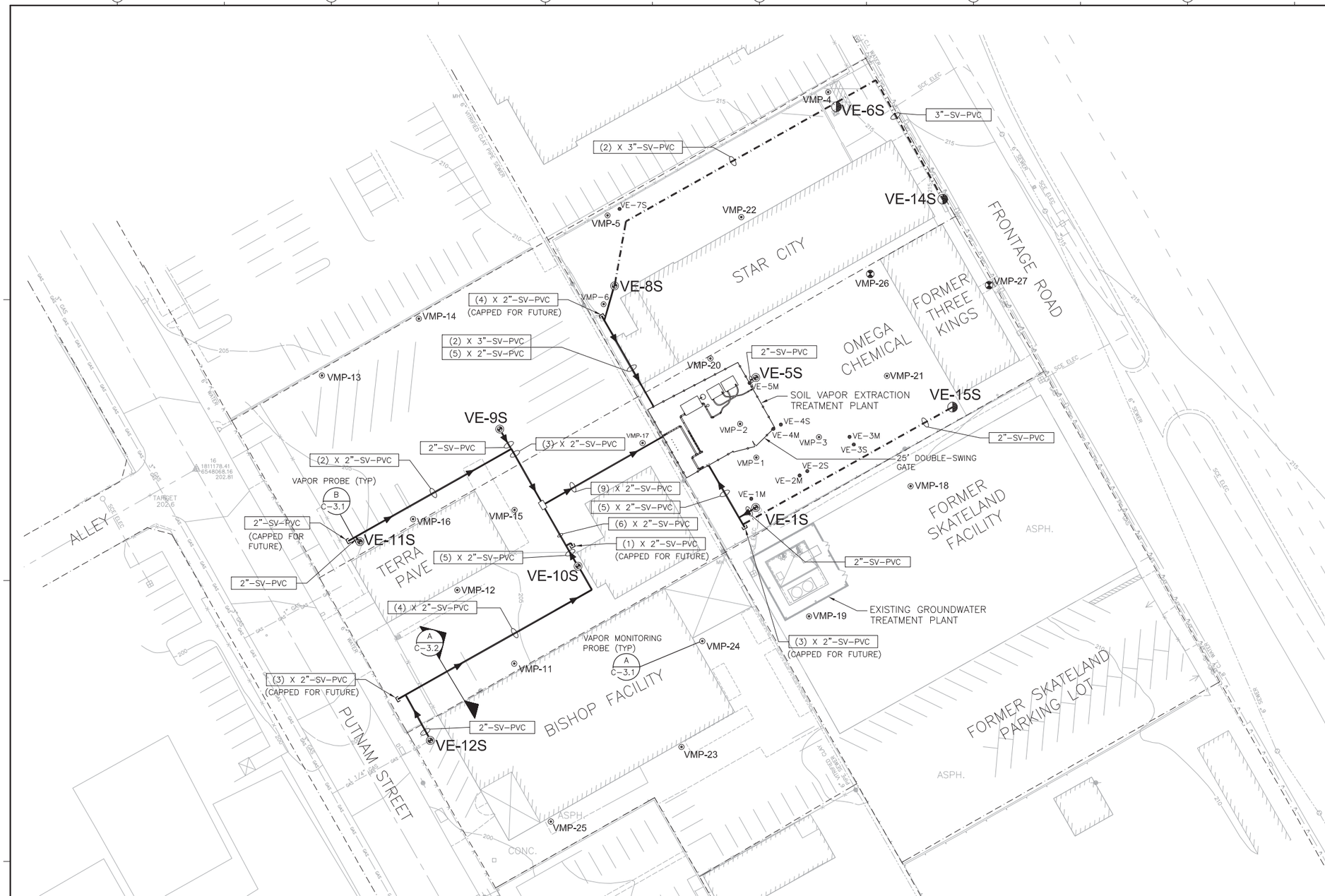

Tetrachloroethene (PCE) Results
Tomacico Building
10000
1000
100
10
1
0.1
PCE Results (ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
OCMA went out of business. In April 2011, the unoccupied, former OCMA building was sampled. Later in 2011, Tomacico began occupying the space. In September 2011 and March 2012, a sample was collected from the Tomacico Office/reception area.
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
OCMA Nurses Station
OCMA Admin Office
Tomacico Office Reception Area
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
ISVE1 Startup on June 14, 2010
8-Sep-06
31-Mar-10
29-Apr-11
27-Sep-11
28-Mar-12
Date


Trichloroethene (TCE) Results
Tomacico Building
1000
100
10
1
0.1
TCE Results (ug/m3)
OCMA Nurses Station
OCMA Admin Office
Tomacico Office Reception Area
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)
OCMA went out of business. In April 2011, the unoccupied, former OCMA building was sampled. Later in 2011, Tomacico began occupying the space. In September 2011 and March 2012, a sample was collected from the Tomacico Office/reception area.
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
ISVE1 Startup on June 14, 2010
8-Sep-06
31-Mar-10
29-Apr-11
27-Sep-11
28-Mar-12
Date


Tetrachloroethene (PCE) Results
Intercommunity Dialysis Center Building (Former InterHealth)
10000.00
1000.00
100.00
10.00
1.00
0.10
PCE Results (ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-4 Risk (4100 ug/m3)
PCE Long Term Exposure Screening Level at 10-4 Risk (210 ug/m3)
Pending PCE Long Term Exposure Screening Level at 10-6 Risk (41 ug/m3)
PCE Long Term Exposure Screening Level at 10-6 Risk (2.1 ug/m3)
Research Area
Nurses Station
InterHealth- Open office
InterHealth- Waiting Room T11033
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
29-Apr-11
28-Mar-12
Date


Trichloroethene (TCE) Results
Intercommunity Dialysis Center Building (Former InterHealth)
1000.00
100.00
10.00
1.00
0.10
0.01
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)
Research Area
Nurses Station
InterHealth- Open office
InterHealth- Waiting Room T11033
NOTE: Nondetect results are shown at the reporting limit and presented with open symbols in the graph.
29-Apr-11
28-Mar-12
Date

Attachment D: Interim SVE 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

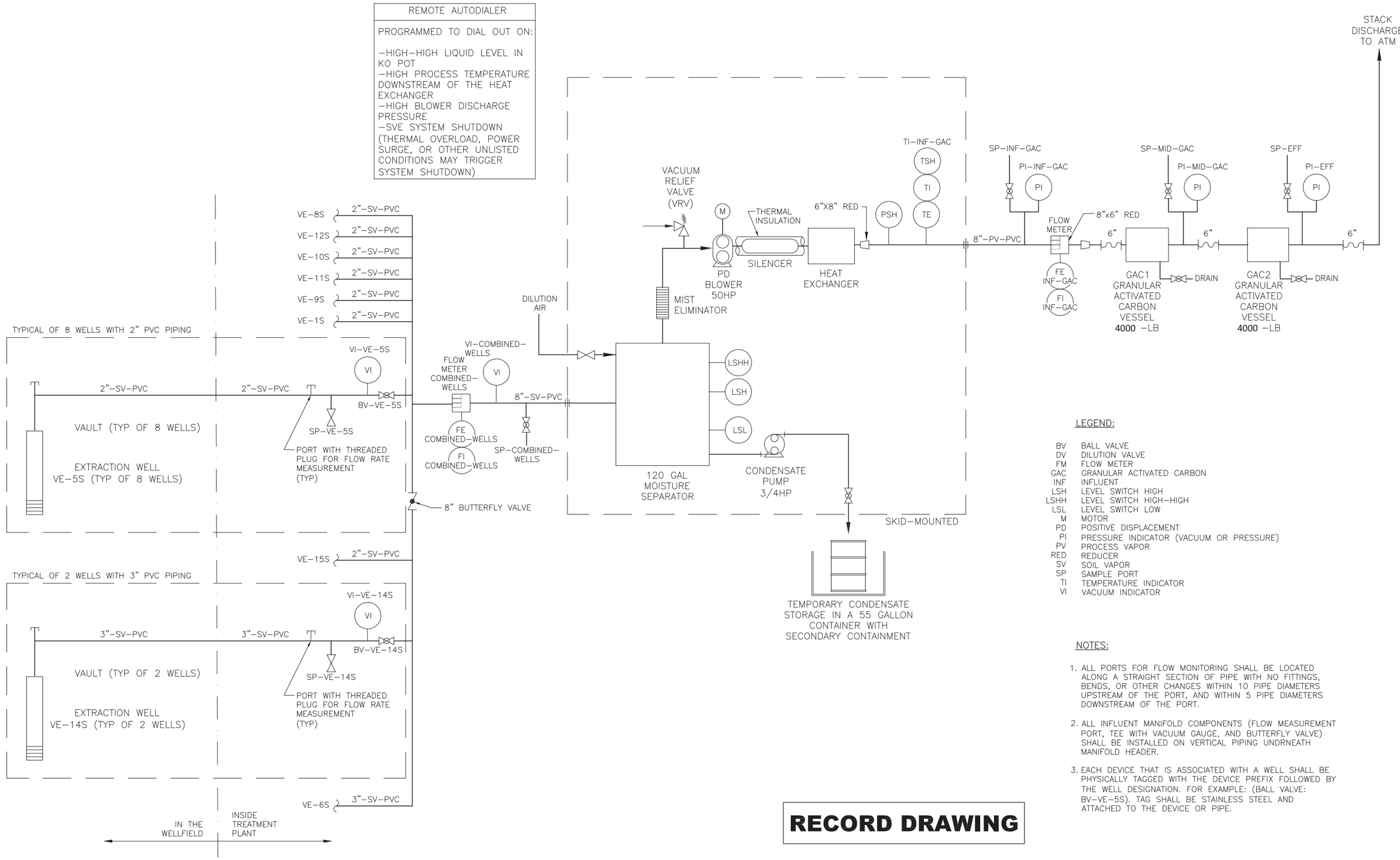
SOIL VAPOR EXTRACTION SYSTEM

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

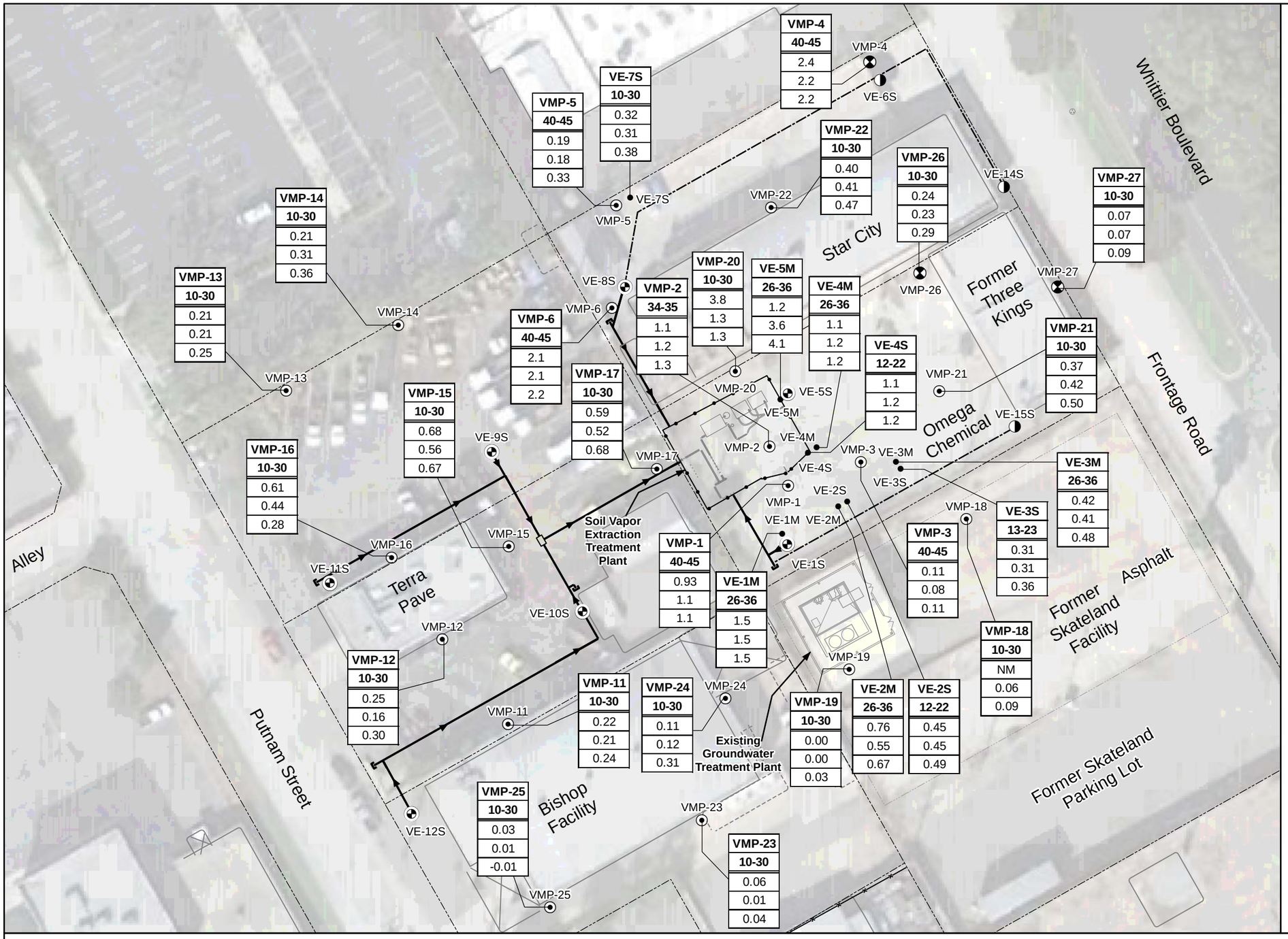
CDM Camp Dresser & McKee Inc.
consulting engineering construction operations
111 Academy, Suite 150
Irvine, California 92617
Tel: (949) 752–5452
Fax: (949) 725–3790

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 1/30/2012 (in H2O)
Measured vacuum on 2/27/2012 (in H2O)
Measured vacuum on 3/27/2012 (in H2O)

Notes:

Negative values indicate positive pressure

NM - Not measured

ft bgs - feet below ground surface

in H_2O - inches of water

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

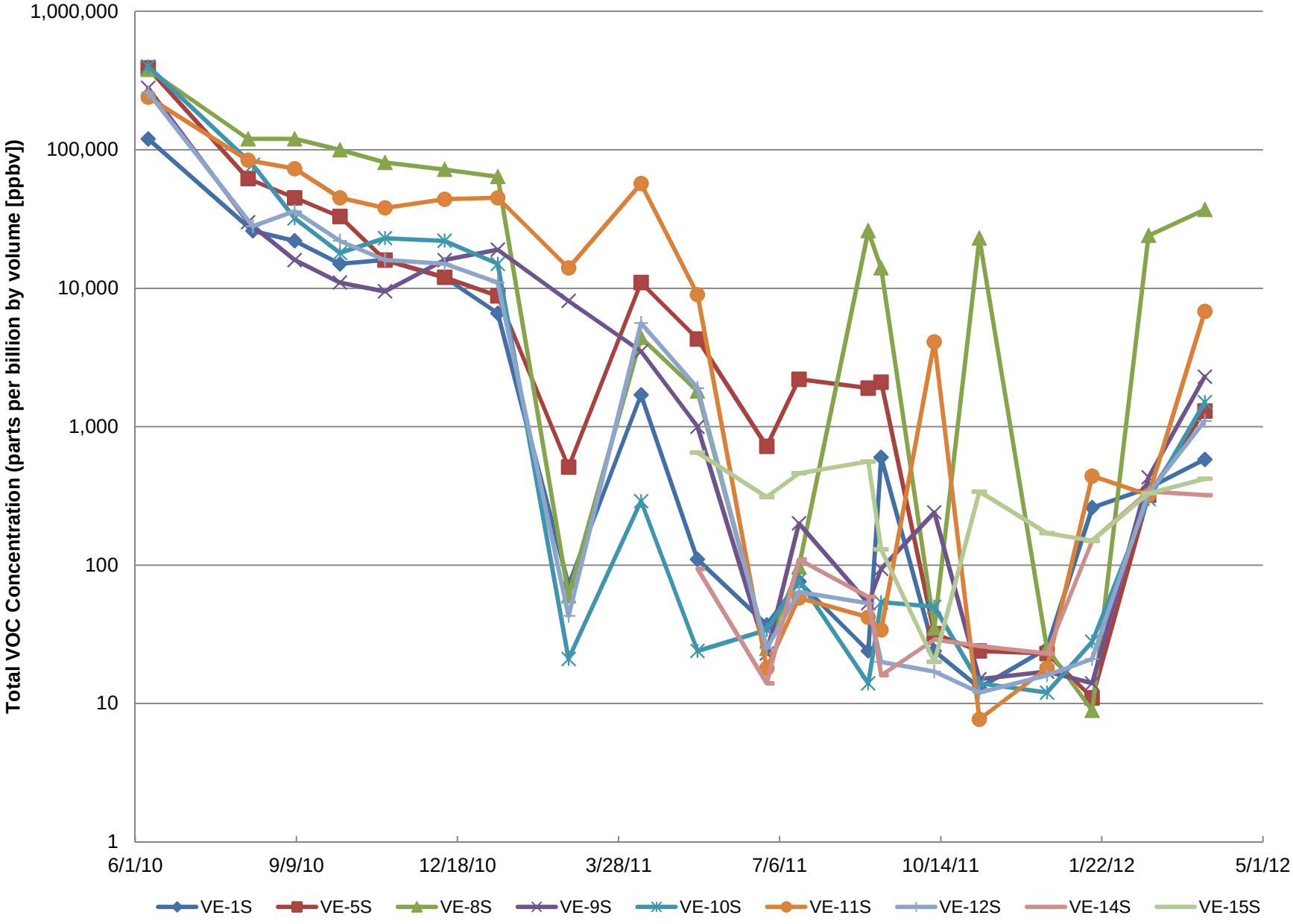


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Figure D5 - ISVE1 Vapor Extraction Rate at VEWs

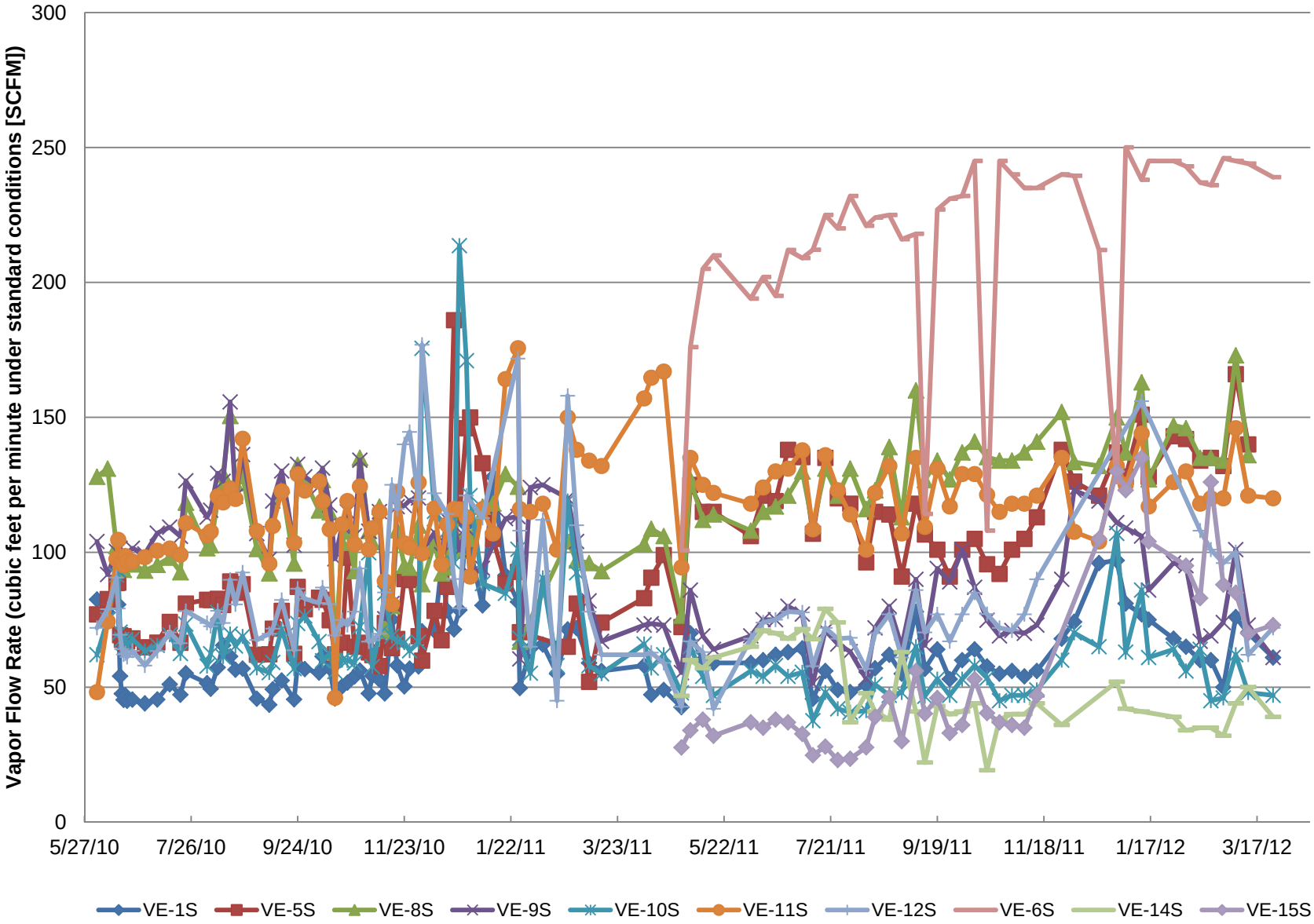

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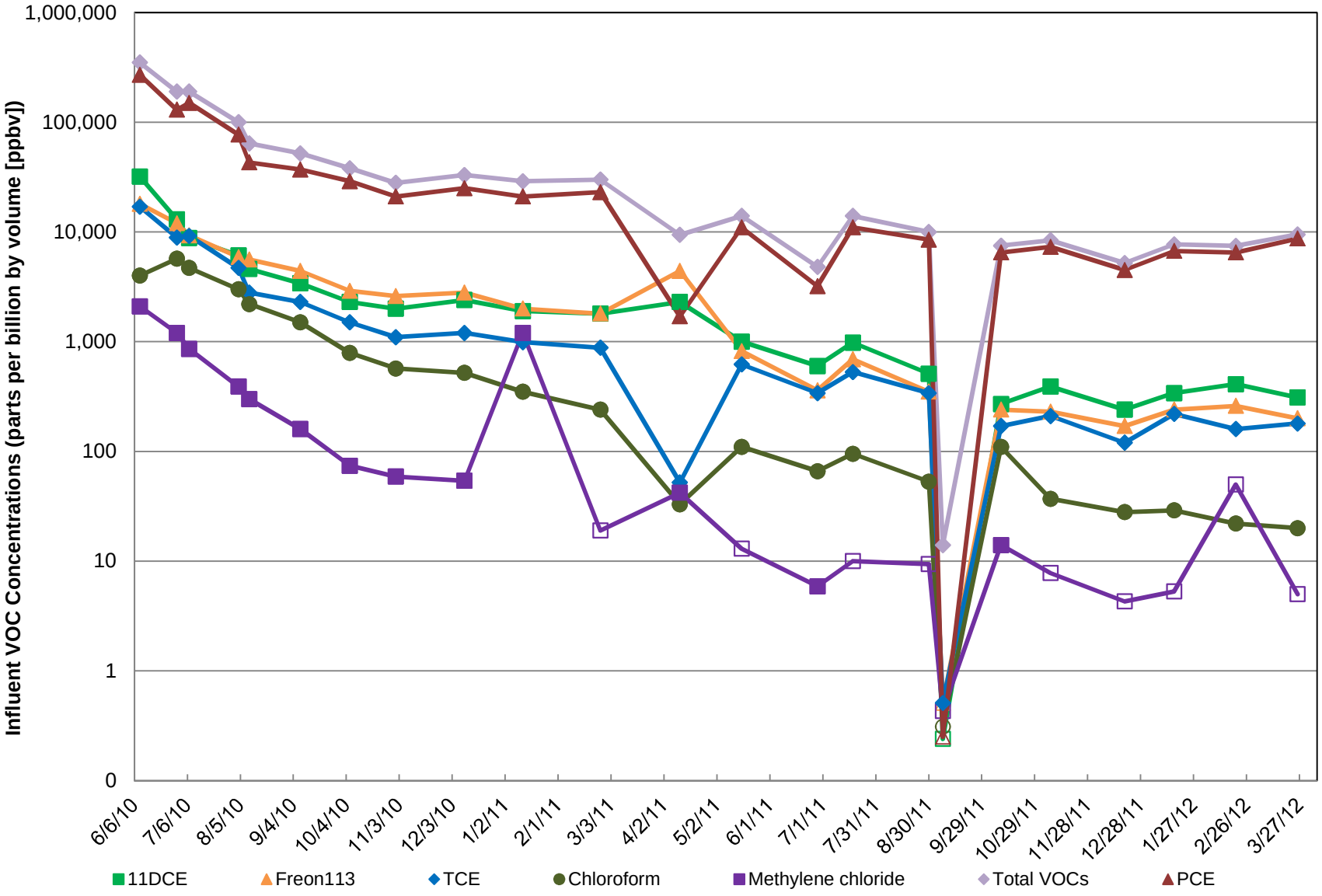
Figure D6 - ISVE1 Influent - Select Chlorinated VOC Concentrations



Note: Open symbol represent non-detected concentration

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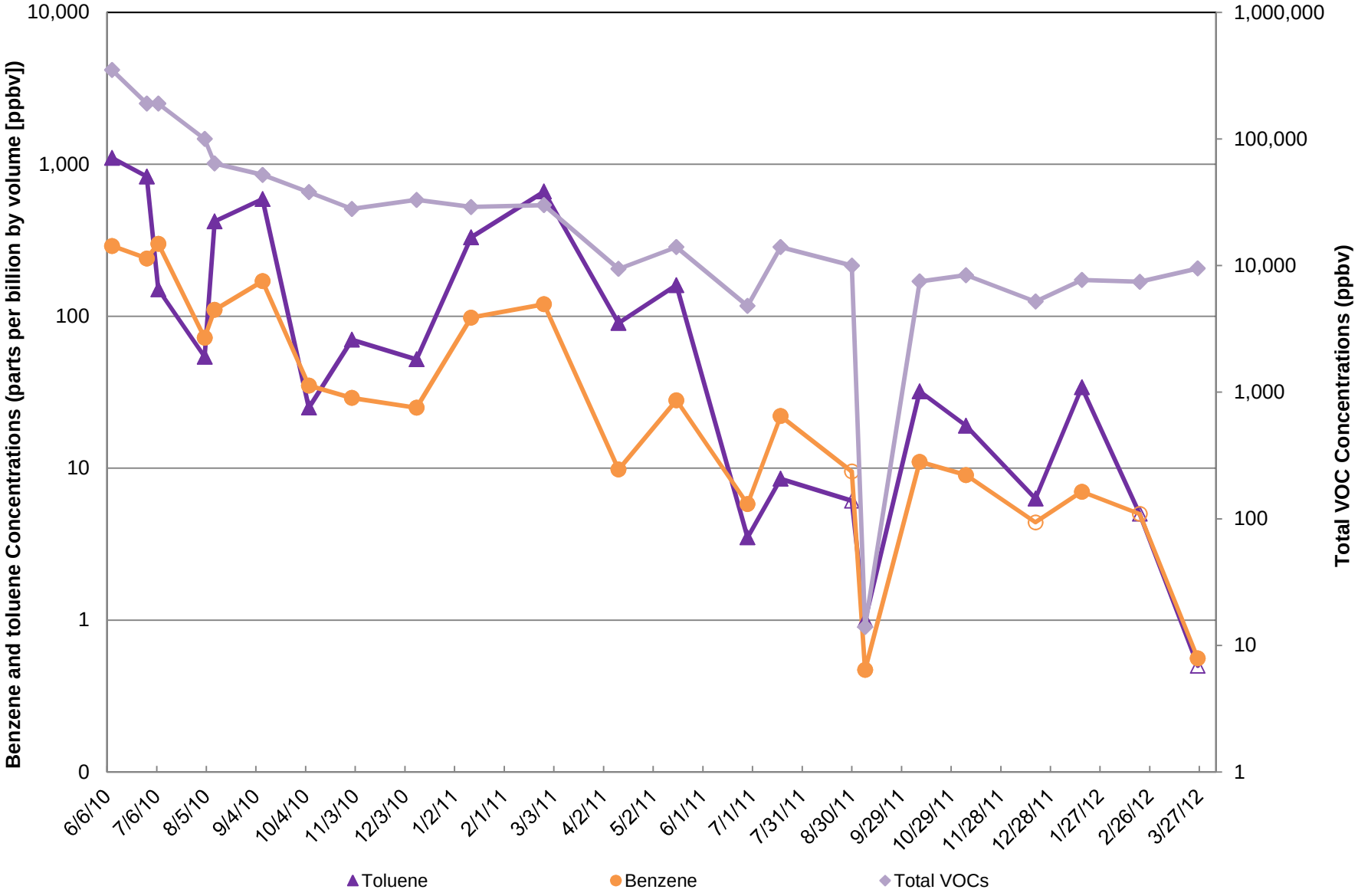
Figure D7 - ISVE1 Influent - Select Non-Chlorinated VOC Concentrations



Note: Open symbol represent non-detected concentration

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Figure D8 - ISVE1 Cumulative Total VOC Mass Removal

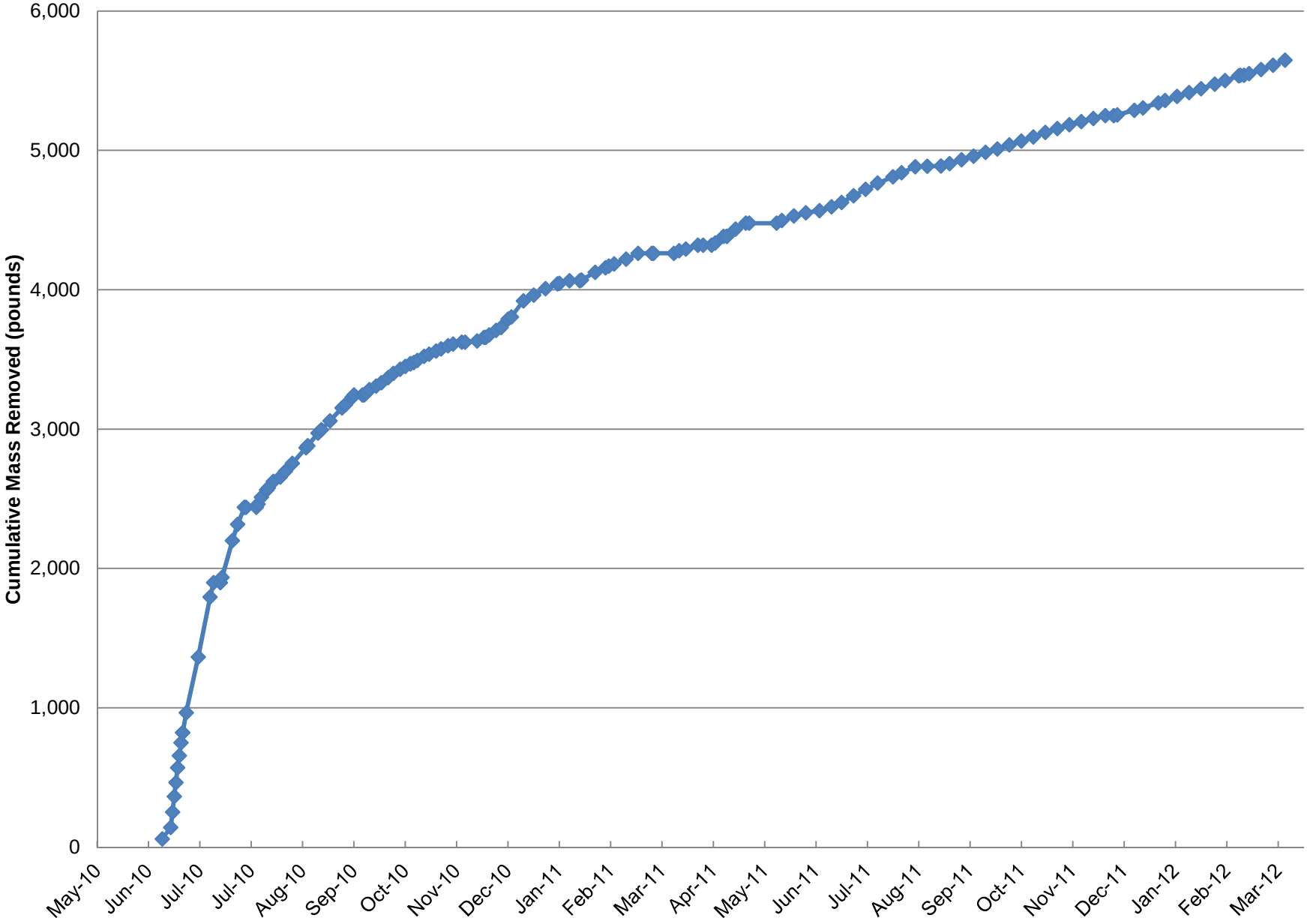

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Table D1
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
VMP Monitoring Data Summary

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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
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

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

Well	Screen Interval (ft bgs)	Date	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

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

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-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

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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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-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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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-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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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-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
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

Table D2
Omega Chemical Superfund Site
Interim Soil Vapor Extraction System 1 (ISVE1)
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-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-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

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*	Added 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	HR	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						
6/9/10	10.3	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	16.4	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	19.0	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	26.1	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	22.2	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	25.7	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	22.2	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	24.2	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	19.8	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	0.0	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	39.6	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	167.7	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	175.9	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	41.1	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	0.0	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	17.1	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	142.2	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	73.1	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	96.7	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	0.0	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	0.0	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	20.1	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	50.3	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	68.0	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	0.0	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	22.8	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	68.4	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	47.8	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	67.7	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	99.4	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	178.6	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	24.0	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*	Added 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	HR	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						
9/2/10	1586.4	0.0	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	140.6	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	46.4	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	121.0	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	159.7	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	46.4	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	96.4	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	31.5	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	0.0	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	0.0	NA	NM	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NA	NA	System restart
10/6/10	2253.4	25.0	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	50.0	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	68.5	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	69.6	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	95.1	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	69.9	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	91.5	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	76.7	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	68.5	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	0.0	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	22.3	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	48.6	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	101.1	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	66.2	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	96.7	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	67.6	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	104.7	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	66.4	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	73.1	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	2.5	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	44.1	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	99.7	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*	Added 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	HR	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						
12/15/10	3636.2	0.0	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	34.5	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	74.5	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	39.5	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	99.6	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	21.9	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	150.2	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	132.5	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	159.8	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	166.7	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	24.0	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	146.0	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	0.0	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	25.2	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	163.3	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	148.4	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	48.0	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	59.9	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	152.1	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	158.2	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	88.9	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	0.0	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	0.0	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	77.4	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	90.5	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	160.5	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	68.3	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*	Added 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	HR	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						
4/26/11	10939.7	0.0	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	49.4	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	117.0	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	48.0	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	0.0	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	115.9	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	141.3	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	47.4	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	0.0	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	74.4	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	168.0	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	149.2	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	165.0	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	168.0	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	144.0	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	168.0	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	166.6	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	167.8	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	178.4	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	122.7	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	195.7	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	20.9	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*	Added 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	HR	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						
9/7/11	1160.6	191.0	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	114.7	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	171.7	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	166.1	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	167.0	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	149.2	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	170.0	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	166.3	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	165.6	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	171.1	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	167.8	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	171.9	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	164.3	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	166.2	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	169.6	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	0.0	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	49.6	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	240.3	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	119.9	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	215.9	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	96.2	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	164.5	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	169.2	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	165.2	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	192.8	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	144.7	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	196.6	5.6	38	960	980	102	17.5	92	12.5	82	5.5	82	2.5	1.7	97%	98%	90.0%	94.6%	System running; perform O&M.
2/29/12	5213.2	16.2	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	0.0	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	72.1	5.4	20	940	970	104	19.5	102	14.5	99	8.0	72	0	0	100%	100%	91.1%	95.3%	System running; perform O&M.
3/12/12	5449.3	164.0	5.5	45	990	994	104	21.5	96	15.0	88	8.0	67	0.2	0	100%	100%	93.2%	96.6%	System running; perform O&M.
3/19/12	5621.4	172.1	5.4	33	970	982	104	20.0	99	14.5	94	8.0	57	0.7	0	99%	100%	95.1%	97.8%	System running; perform O&M.
3/26/12	5789.5	168.1	5.5	33	925	918	105	19.5	98	13.5	91	7.5	165	0	0	100%	100%	96.8%	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).

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

	Run time*	**Added 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	
Date	hr	HR	in Hg	%	SCFM	SCFM	F	in H2O	F	in H2O	F	in H2O		ppmv						

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, disregarded during 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	2
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

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[$]**
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**

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 3/26/2012)	6/14/2010	In Operation	13,154	5,664
Cumulative VOC Mass Removed (Pilot Test, Extended Pilot Test, and ISVE Operation)				6,896

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		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	
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	24
	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		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	
	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		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	
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

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-02M	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		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	
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		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	
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		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	
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
	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		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	
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

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-04M	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		2 U	2 U	0.76	2.9	0.5 U	2 U	0.6	5 U	2 U	0.5 U	10 U	
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		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	
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
	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		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	
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

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-05S	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	32
	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		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	
	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		2 U	2 U	0.5	0.7	0.5 U	9.8	4.5	5 U	2 U	0.5 U	10 U	
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
	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	24
	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		2 U	2 U	0.77	2.7	0.5 U	2 U	0.52	9.5	2 U	0.5 U	10 U	
	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		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	
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

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-07S	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		2 U	2 U	12	0.5 U	3.8	2 U	0.5 U	5 U	2.8	0.5 U	10 U	
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
	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	35
	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		40 U	40 U	10 U	10 U	10 U	40 U	10 U	100 U	40 U	10 U	200 U	
	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		40 U	40 U	10 U	10 U	10 U	40 U	10 U	100 U	40 U	10 U	200 U	
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

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	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	240
	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		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	
	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		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	
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	50
	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		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	
	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		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	
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

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	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
	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	4100
	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		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	
	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		20 U	20 U	5 U	5 U	5 U	20 U	5 U	50 U	20 U	5 U	100 U	
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	17

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	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		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	
	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		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	
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	29
	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		2 U	2 U	2.6	0.65	0.91	2 U	0.5 U	5 U	2 U	0.5 U	10 U	
	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		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	
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	20
	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		2 U	2 U	1	1.3	0.77	2 U	0.5 U	5 U	2 U	0.5 U	10 U	
	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		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	
VE-20S	03/30/12	ORIG	20	5.7	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	250	330		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	
VE-21S	03/30/12	ORIG	1100	79	1.2 U	1.2 U	2.5	3.4	160	1.2 U	1.2 U	30	1.2 U	12 U	27	74	1.2 U	7.9	3.8 U		5 U	5 U	1.3	2.5	1.2 U	5 U	1.2 U	12 U	5 U	1.2 U	25 U	

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-22S	03/30/12	ORIG	28000	970	20 U	20 U	30	20 U	2200	20 U	20 U	500	20 U	200 U	470	1700	20 U	80 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	
VE-23S	03/30/12	ORIG	3800	260	2.5 U	2.5 U	7	5.4	480	2.5 U	2.5	83	2.5 U	25 U	18	65	2.5 U	10 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	
VE-24S	03/30/12	ORIG	940	52	2.5 U	2.5 U	2.5 U	2.5 U	880	2.5 U	2.5 U	4.3	2.5 U	25 U	150	830	3.1	10 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	
VE-25S	03/30/12	ORIG	14000	1100	10 U	10 U	23	10 U	1800	10 U	13	430	10 U	100 U	41	38	10 U	40 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	
VE-26S	03/30/12	ORIG	32000	1400	20 U	20 U	31	39	3400	20 U	27	850	20 U	200 U	1000	2800	20 U	80 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	
VE-27S	03/30/12	ORIG	5900	550	4 U	4 U	16	6.1	410	4 U	4.9	530	4 U	40 U	82	710	4 U	16 U	12 U		16 U	16 U	4.5	17	4 U	16 U	4 U	40 U	16 U	4 U	80 U	
VE-28S	03/30/12	ORIG	1500	220	1.2 U	1.2 U	5.3	1.2 U	170	1.5	1.2 U	120	1.2 U	12 U	4.2	8.5	1.2 U	10	8		5 U	5 U	1.2 U	1.2 U	1.2 U	5 U	1.2 U	12 U	5 U	1.2 U	25 U	
VE-29S	03/30/12	ORIG	850	83	5 U	5 U	5 U	5 U	120	5 U	5 U	19	5 U	50 U	10 U	15 U	5 U	27	15 U		20 U	20 U	5 U	5 U	5 U	20 U	5 U	50 U	20 U	5 U	100 U	
VE-30S	03/30/12	ORIG	7900	640	10 U	10 U	15	10 U	890	10 U	10 U	200	10 U	100 U	70	180	10 U	40 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	
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		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	
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		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	
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

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-03	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		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	
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
	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		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	
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		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	
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

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-06	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		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	
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
	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		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	
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		10 U	10 U	50	230	64	150	12	25 U	10 U	2.5 U	50 U	
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		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	
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
	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		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	

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-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		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	
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		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	
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		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	
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
	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		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	
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

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-19	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		8 U	8 U	2 U	2 U	2 U	8 U	2 U	20 U	8 U	2 U	40 U	
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		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	
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		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	
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
	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		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	
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

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-23	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		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	
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		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	
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
	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		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	
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		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	
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

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-27	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		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	

Notes:

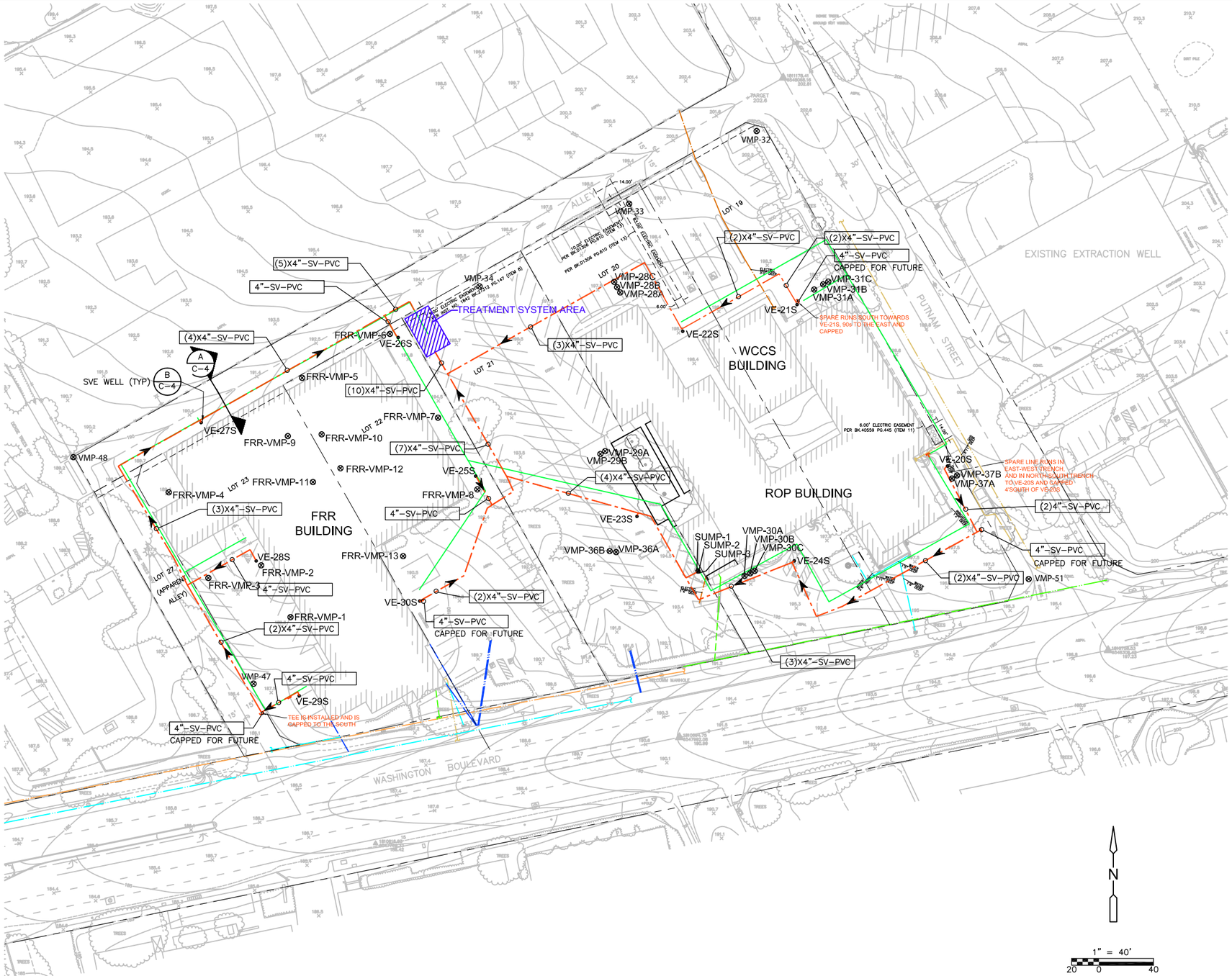
Concentrations are reported in parts per billion by volume (ppbv)
Only the most frequently detected compounds are presented in this table.
VOCs analyzed by EPA Method TO-15.

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 SVE 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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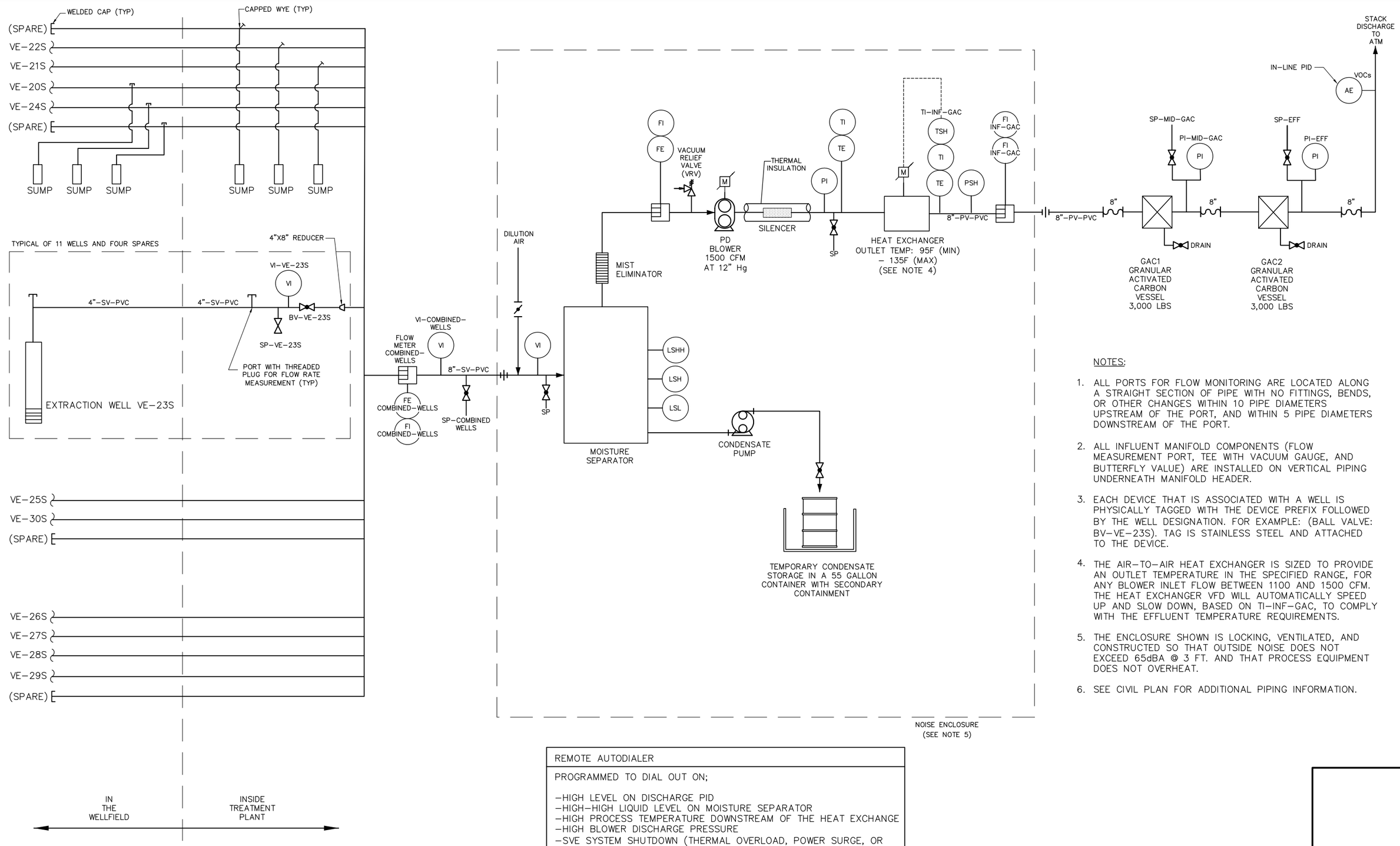

NOTES:

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

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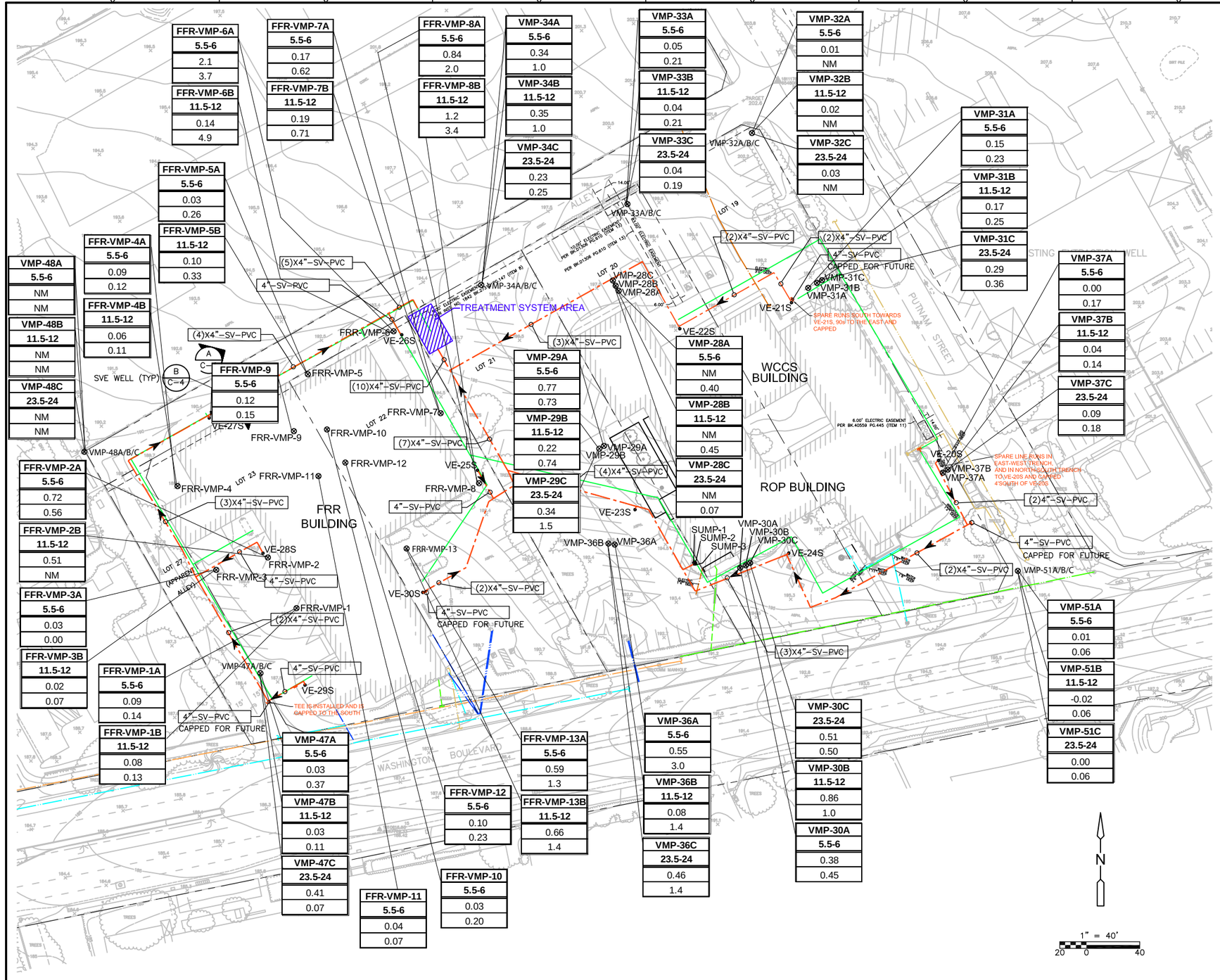

FFR-VMP-6A	
5.5-6	
2.1	
3.7	

FFR-VMP-6B	
11.5-12	
0.14	
4.9	

FFR-VMP-7A	
5.5-6	
0.17	
0.62	

FFR-VMP-7B	
11.5-12	
0.19	
0.71	

FFR-VMP-8A	
5.5-6	
0.84	
2.0	

FFR-VMP-8B	
11.5-12	
1.2	
3.4	

VMP-34A	
5.5-6	
0.34	
1.0	

VMP-34B	
11.5-12	
0.35	
1.0	

VMP-34C	
23.5-24	
0.23	
0.25	

VMP-33A	
5.5-6	
0.05	
0.21	

VMP-33B	
11.5-12	
0.04	
0.21	

VMP-33C	
23.5-24	
0.04	
0.19	

VMP-32A	
5.5-6	
0.01	
NM	

VMP-32B	
11.5-12	
0.02	
NM	

VMP-32C	
23.5-24	
0.03	
NM	

VMP-31A	
5.5-6	
0.15	
0.23	

VMP-31B	
11.5-12	
0.17	
0.25	

VMP-31C	
23.5-24	
0.29	
0.36	

VMP-37A	
5.5-6	
0.00	
0.17	

VMP-37B	
11.5-12	
0.04	
0.14	

VMP-37C	
23.5-24	
0.09	
0.18	

FFR-VMP-5A	
5.5-6	
0.03	
0.26	

FFR-VMP-5B	
11.5-12	
0.10	
0.33	

FFR-VMP-4A	
5.5-6	
0.09	
0.12	

FFR-VMP-4B	
11.5-12	
0.06	
0.11	

VMP-48A	
5.5-6	
NM	
NM	

VMP-48B	
11.5-12	
NM	
NM	

VMP-48C	
23.5-24	
NM	
NM	

FFR-VMP-9	
5.5-6	
0.12	
0.15	

VMP-29A	
5.5-6	
0.77	
0.73	

VMP-29B	
11.5-12	
0.22	
0.74	

VMP-29C	
23.5-24	
0.34	
1.5	

VMP-28A	
5.5-6	
NM	
0.40	

VMP-28B	
11.5-12	
NM	
0.45	

VMP-28C	
23.5-24	
NM	
0.07	

FFR-VMP-2A	
5.5-6	
0.72	
0.56	

FFR-VMP-2B	
11.5-12	
0.51	
NM	

FFR-VMP-3A	
5.5-6	
0.03	
0.00	

FFR-VMP-3B	
11.5-12	
0.02	
0.07	

FFR-VMP-1A	
5.5-6	
0.09	
0.14	

FFR-VMP-1B	
11.5-12	
0.08	
0.13	

VMP-47A	
5.5-6	
0.03	
0.37	

VMP-47B	
11.5-12	
0.03	
0.11	

VMP-47C	
23.5-24	
0.41	
0.07	

FFR-VMP-11	
5.5-6	
0.04	
0.07	

FFR-VMP-10	
5.5-6	
0.03	
0.20	

FFR-VMP-12	
5.5-6	
0.10	
0.23	

FFR-VMP-13A	
5.5-6	
0.59	
1.3	

FFR-VMP-13B	
11.5-12	
0.66	
1.4	

VMP-36A	
5.5-6	
0.55	
3.0	

VMP-36B	
11.5-12	
0.08	
1.4	

VMP-36C	
23.5-24	
0.46	
1.4	

VMP-30C	
23.5-24	
0.51	
0.50	

VMP-30B	
11.5-12	
0.86	
1.0	

VMP-30A	
5.5-6	
0.38	
0.45	

VMP-51A	
5.5-6	
0.01	
0.06	

VMP-51B	
11.5-12	
-0.02	
0.06	

VMP-51C	
23.5-24	
0.00	
0.06	

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
- 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
- IRC IRRIGATION CONTROL VALVE
- WATER SPIGOT
- VAPOR WELL
- WATER METER

NOTES:

1. As-Built survey 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, -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 I-3 for more piping details.
4. Negative values indicate no vacuum
5. NM - Not measured
6. ft bgs - feet below ground surface
7. in H2O - inches of water

Well Name	
Screen Interval (ft bgs)	
Measured vacuum on 3/6/2012 (in H2O)	
Measured vacuum on 3/26/2012 (in H2O)	

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 Influence Coverage Map

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

100% SUBMITTAL - NOT FOR CONSTRUCTION

C:\cdmxm\riehlep\d0713018\ C-3SL 04/05/12 13:13 riehlep XREFS: 11CDM02-Topo, Conveyance, CWPL-SL1, CDNS_2234-SVE2
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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
FFR-VMP-1B	11.5 to 12	3/6/2012	0.08	38
		3/26/2012	0.13	53
FFR-VMP-2A	5.5 to 6	3/6/2012	0.72	14
		3/26/2012	0.56	4.0
FFR-VMP-2B	11.5 to 12	3/6/2012	0.51	45
		3/26/2012	NM	52
FFR-VMP-3A	5.5 to 6	3/6/2012	0.03	3.1
		3/26/2012	0.00	0.0
FFR-VMP-3B	11.5 to 12	3/6/2012	0.02	3.9
		3/26/2012	0.07	0.0
FFR-VMP-4A	5.5 to 6	3/6/2012	0.09	3.4
		3/26/2012	0.12	0.0
FFR-VMP-4B	11.5 to 12	3/6/2012	0.06	5.2
		3/26/2012	0.11	0.0
FFR-VMP-5A	5.5 to 6	3/6/2012	0.03	18
		3/26/2012	0.26	1.4
FFR-VMP-5B	11.5 to 12	3/6/2012	0.10	120
		3/26/2012	0.33	2.1
FFR-VMP-6A	5.5 to 6	3/6/2012	2.1	10
		3/26/2012	3.7	0.0
FFR-VMP-6B	11.5 to 12	3/6/2012	0.14	3.5
		3/26/2012	4.9	10
FFR-VMP-7A	5.5 to 6	3/6/2012	0.17	8.3
		3/26/2012	0.62	0.0
FFR-VMP-7B	11.5 to 12	3/6/2012	0.19	32
		3/26/2012	0.71	0.0
FFR-VMP-8A	5.5 to 6	3/6/2012	0.84	2.9
		3/26/2012	2.0	0.0
FFR-VMP-8B	11.5 to 12	3/6/2012	1.2	16
		3/26/2012	3.4	0.0
FFR-VMP-9	5.5 to 6	3/6/2012	0.12	580
		3/26/2012	0.15	65
FFR-VMP-10	5.5 to 6	3/6/2012	0.03	470
		3/26/2012	0.20	45
FFR-VMP-11	5.5 to 6	3/6/2012	0.04	420
		3/26/2012	0.07	230
FFR-VMP-12	5.5 to 6	3/6/2012	0.10	720
		3/26/2012	0.23	33
FFR-VMP-13A	5.5 to 6	3/6/2012	0.59	63
		3/26/2012	1.3	0.0
FFR-VMP-13B	11.5 to 12	3/6/2012	0.66	190
		3/26/2012	1.4	0.0
VMP-28A	5.5 to 6	3/6/2012	NM	NM
		3/26/2012	0.40	0.0
VMP-28B	11.5 to 12	3/6/2012	NM	NM
		3/26/2012	0.45	0.0
VMP-28C	23.5 to 24	3/6/2012	NM	NM
		3/26/2012	0.07	0.0
VMP-29A	5.5 to 6	3/6/2012	0.77	4.2
		3/26/2012	0.73	0.0
VMP-29B	11.5 to 12	3/6/2012	0.22	7.1
		3/26/2012	0.74	0.0
VMP-29C	23.5 to 24	3/6/2012	0.34	40
		3/26/2012	1.5	0.0
VMP-30A	5.5 to 6	3/6/2012	0.38	2.3
		3/26/2012	0.45	0.0
VMP-30B	11.5 to 12	3/6/2012	0.86	1.9
		3/26/2012	1.0	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-30C	23.5 to 24	3/6/2012	0.51	1.4
		3/26/2012	0.50	0.0
VMP-31A	5.5 to 6	3/6/2012	0.15	0.6
		3/26/2012	0.23	0.0
VMP-31B	11.5 to 12	3/6/2012	0.17	1.4
		3/26/2012	0.25	0.0
VMP-31C	23.5 to 24	3/6/2012	0.29	1.0
		3/26/2012	0.36	0.0
VMP-32A	5.5 to 6	3/6/2012	0.01	6.8
		3/26/2012	NM	NM
VMP-32B	11.5 to 12	3/6/2012	0.02	7.1
		3/26/2012	NM	NM
VMP-32C	23.5 to 24	3/6/2012	0.03	5.4
		3/26/2012	NM	NM
VMP-33A	5.5 to 6	3/6/2012	0.05	4.8
		3/26/2012	0.21	0.0
VMP-33B	11.5 to 12	3/6/2012	0.04	9.7
		3/26/2012	0.21	2.6
VMP-33C	23.5 to 24	3/6/2012	0.04	14
		3/26/2012	0.19	39
VMP-34A	5.5 to 6	3/6/2012	0.34	300
		3/26/2012	1.0	64
VMP-34B	11.5 to 12	3/6/2012	0.35	400
		3/26/2012	1.0	350
VMP-34C	23.5 to 24	3/6/2012	0.23	21
		3/26/2012	0.25	21
VMP-36A	5.5 to 6	3/6/2012	0.55	27
		3/26/2012	3.0	3.6
VMP-36B	11.5 to 12	3/6/2012	0.08	8.3
		3/26/2012	1.4	0.2
VMP-36C	23.5 to 24	3/6/2012	0.46	10
		3/26/2012	1.4	2.1
VMP-37A	5.5 to 6	3/6/2012	0.00	0.7
		3/26/2012	0.17	0.0
VMP-37B	11.5 to 12	3/6/2012	0.04	0.6
		3/26/2012	0.14	0.0
VMP-37C	23.5 to 24	3/6/2012	0.09	1.3
		3/26/2012	0.18	0.0
VMP-47A	5.5 to 6	3/6/2012	0.03	20
		3/26/2012	0.37	32
VMP-47B	11.5 to 12	3/6/2012	0.03	23
		3/26/2012	0.11	23
VMP-47C	23.5 to 24	3/6/2012	0.41	43
		3/26/2012	0.07	40
VMP-48A	5.5 to 6	3/6/2012	NM	NM
		3/26/2012	NM	NM
VMP-48B	11.5 to 12	3/6/2012	NM	NM
		3/26/2012	NM	NM
VMP-48C	23.5 to 24	3/6/2012	NM	NM
		3/26/2012	NM	NM
VMP-51A	5.5 to 6	3/6/2012	0.01	1.3
		3/26/2012	0.06	0.0
VMP-51B	11.5 to 12	3/6/2012	-0.02	1.0
		3/26/2012	0.06	0.0
VMP-51C	23.5 to 24	3/6/2012	0.00	0.7
		3/26/2012	0.06	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-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-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-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-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-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-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-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-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-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-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

Notes:

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
	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	
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%	100.0%	100.0%	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%	89.8%	98.0%	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	1484	1250	86	10	92	4.5	98	2.5	233	54	6.4	77%	97%	56.8%	91.8%	System operating. Collected inf/mid/eff samples. Collected VE well samples and influent/effluent samples. Performed VMP monitoring on 3/26/2012.

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

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

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

Date	Cumulative Mass Removed																		
	PCE	TCE	11DCE	VC	111TCA	11DCA	12DCA	CF	MC	Freon11	Freon12	Freon113	BEN	TOL	XYL	CD	MEK	IP	**TOTAL[$]**
	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	211.9	15.1	53.7	0.1	0.1	0.2	0.1	4.2	0.7	7.0	0.1	25.5	0.1	0.1	0.1	0.3	0.2	0.5	**320**
3/30/12	427.6	30.5	108.3	0.1	0.2	0.5	0.2	8.4	1.5	14.2	0.2	51.6	0.1	0.2	0.2	0.5	0.4	1.0	**646**

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 Analytical Results

Sample Location	Sample Date	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	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	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
VE-21S	02/28/12	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	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
VE-22S	02/28/12	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	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
VE-23S	02/28/12	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	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
VE-24S	02/28/12	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	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
VE-25S	02/28/12	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	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
VE-26S	02/28/12	ORIG	96000	8900	150	20 U	43000	21	180	3800	6300	12000	20 U	80 U	60 U	23	20 U	20 U
	03/30/12	ORIG	32000	1400	31	39	3400	20 U	27	850	1000	2800	20 U	80 U	60 U	20 U	20 U	20 U
VE-27S	02/28/12	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	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
VE-28S	02/28/12	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	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
VE-29S	02/28/12	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	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
VE-30S	02/28/12	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	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

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.

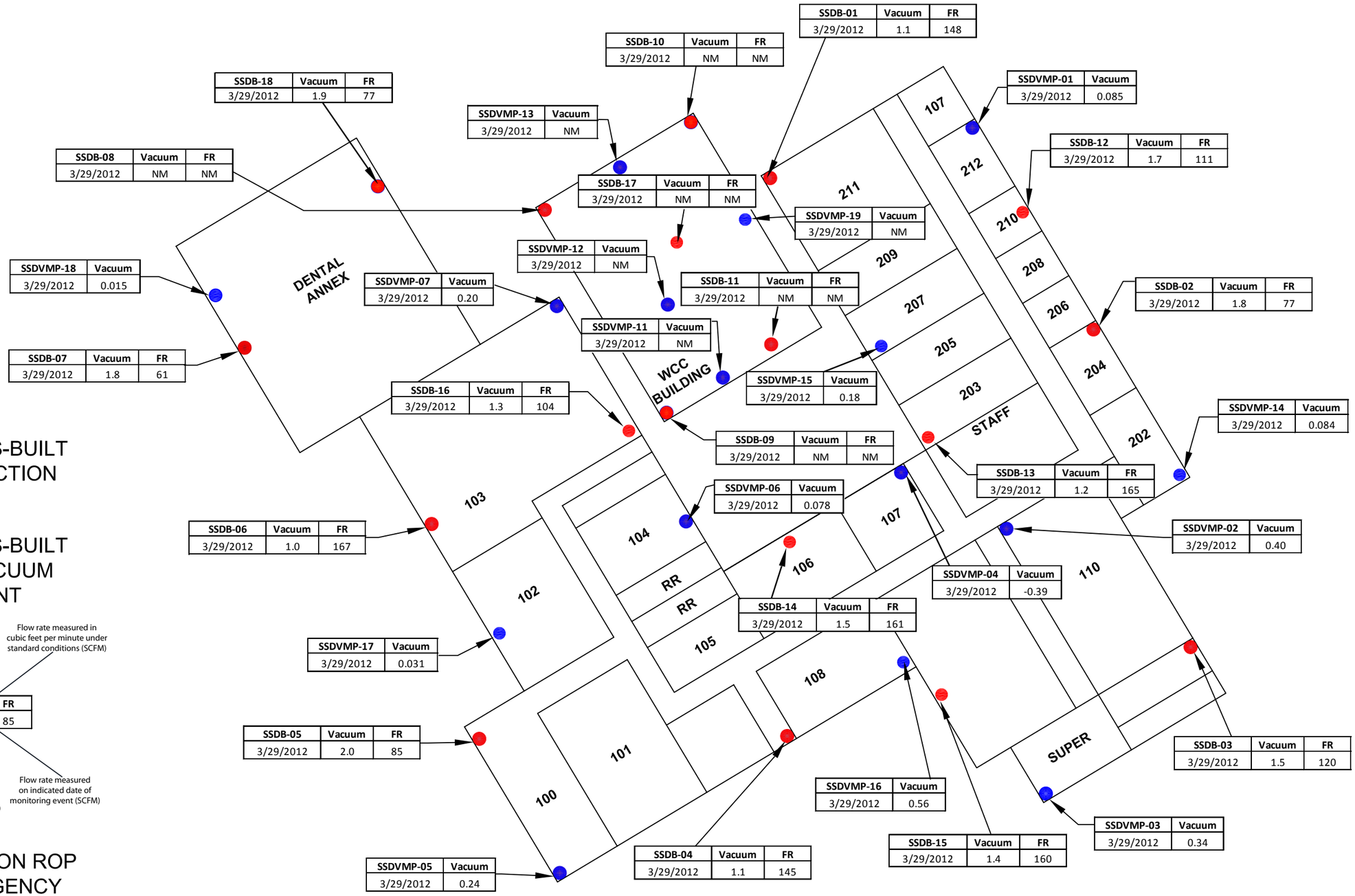
U = Not detected at a concentration greater than the reporting limit shown.

PCE = Tetrachloroethene; TCE = Trichloroethene; 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 Type:
ORIG = Original sample
DUP = Duplicate sample

Attachment F: Sub-Slab Depressurization Systems Figures and Tables

THIS DRAWING IS A PICTORIAL ILLUSTRATION OF THE ROOM LAYOUT IN THE ROP AND WCC BUILDINGS



LEGEND

APPROXIMATE AS-BUILT LOCATION OF SUCTION PIT AND BLOWER

APPROXIMATE AS-BUILT LOCATION OF VACUUM MONITORING POINT

Name of vapor monitoring point (VMP) or blower/suction pit (SSDB)

Vacuum measured in inches of water (in H2O)

Flow rate measured in cubic feet per minute under standard conditions (SCFM)

SSDB-05	Vacuum	FR
3/29/2012	2.0	85

Date of monitoring event

Vacuum measured on indicated date of monitoring event (in H2O)

Flow rate measured on indicated date of monitoring event (SCFM)

NM = Not Measured

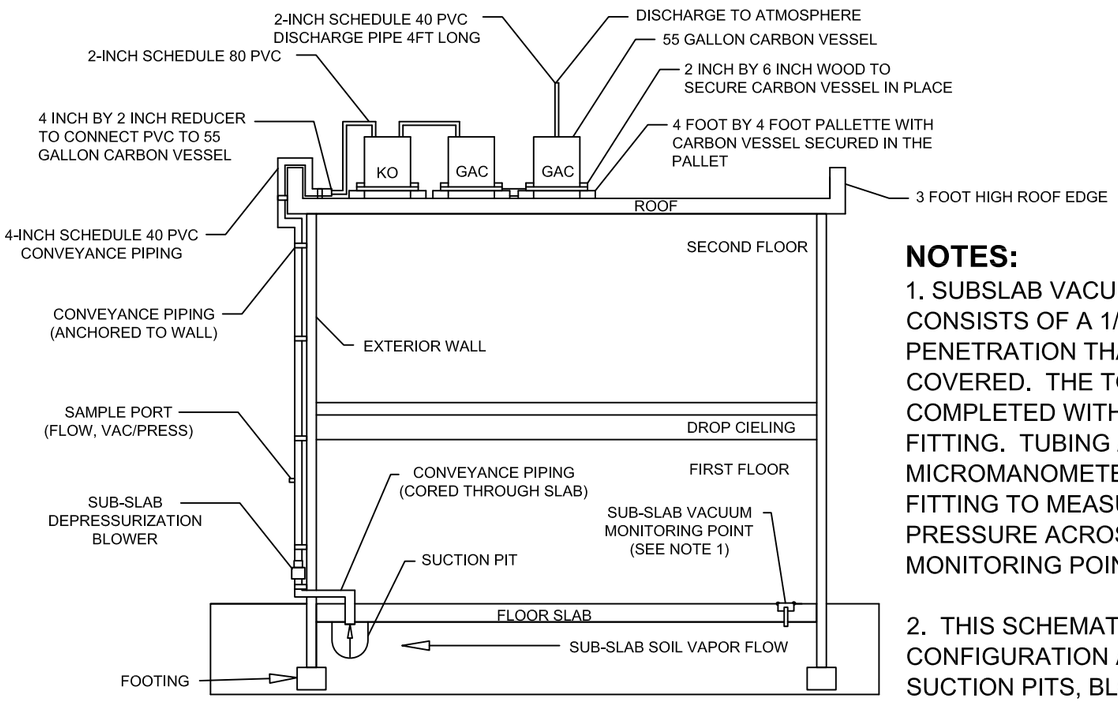
DRAWING IS BASED ON ROP EVACUATION/EMERGENCY EXIT MAP

N

DRAWING NOT TO SCALE

PRIVILEDGED AND CONFIDENTIAL ATTOURNEY WORK PRODUCT

FIGURE F1
SUB-SLAB DEPRESSURIZATION SYSTEM SITE PLAN AND PERFORMANCE
OMEGA CHEMICAL SUPERFUND SITE
WCC AND ROP BUILDINGS
WHITTIER, CALIFORNIA

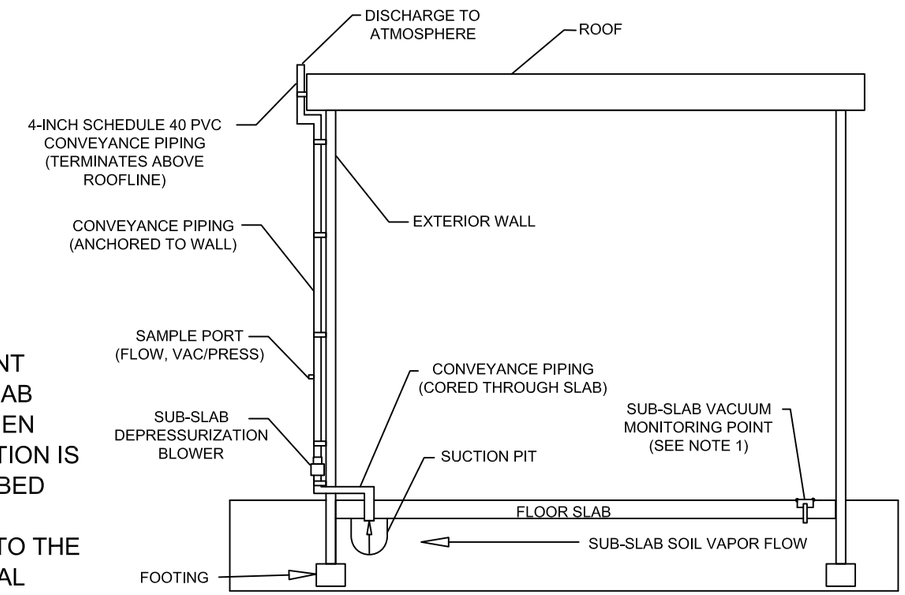


SSDB-8 INSTALLTION
(NOT TO SCALE)

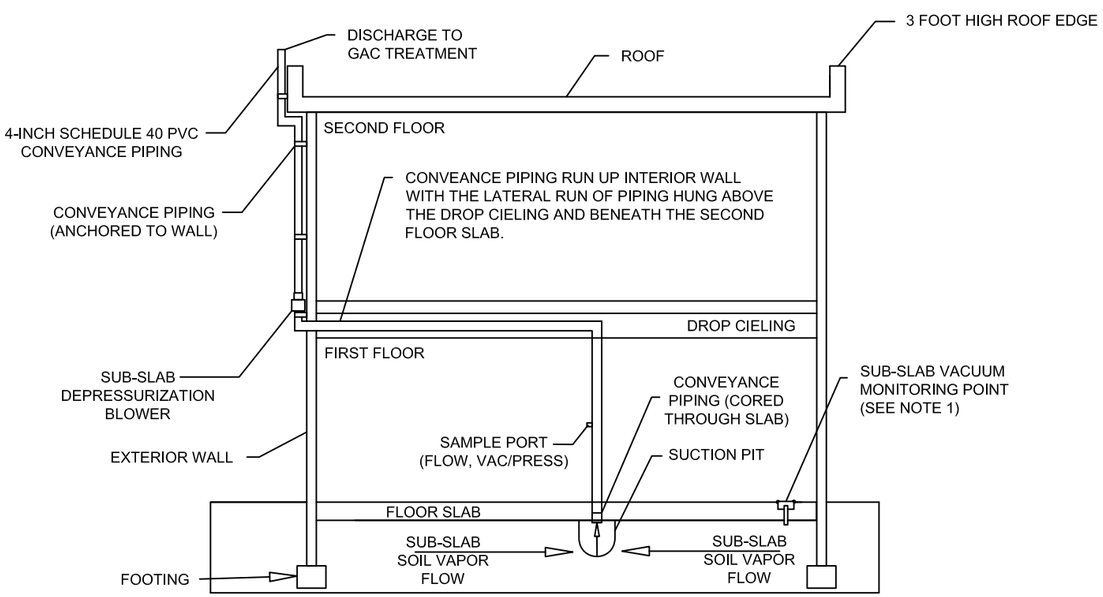
NOTES:

1. SUBSLAB VACUUM MONITORING POINT CONSISTS OF A 1/2-INCH DIAMETER SLAB PENETRATION THAT IS SEALED AND THEN COVERED. THE TOP OF THE PENETRATION IS COMPLETED WITH A VALVE AND A BARBED FITTING. TUBING AND A DIGITAL MICROMANOMETER ARE CONNECTED TO THE FITTING TO MEASURE THE DIFFERENTIAL PRESSURE ACROSS THE SLAB AT THE MONITORING POINT.

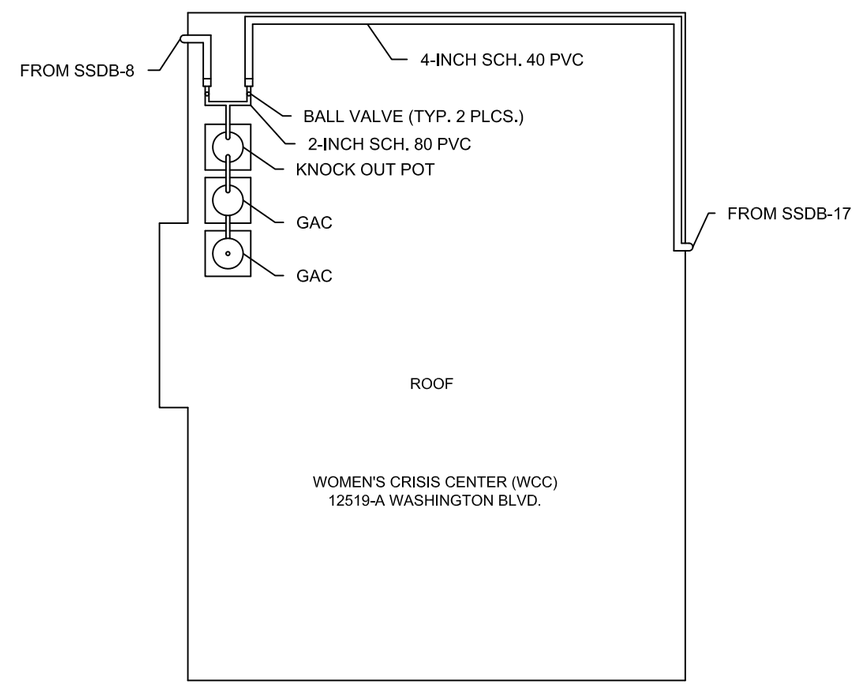
2. THIS SCHEMATIC REPRESENTS THE GENERAL CONFIGURATION AND INSTALLATION OF THE SUCTION PITS, BLOWERS, AND VACCUM MONITORING POINTS AT THE SITE.



TYPICAL SECTION
(NOT TO SCALE)



SSDB-17 INSTALLTION
(NOT TO SCALE)



ROOF PLAN VIEW
(NOT TO SCALE)

FIGURE F2
AS-BUILT SCHEMATIC OF SUB-SLAB DEPRESSURIZATION DETAILS

OMEGA CHEMICAL SUPERFUND SITE

WCC AND ROP BUILDINGS

WHITTIER, CALIFORNIA

JACOB & HEFNER ASSOCIATES, INC.
ENVIRONMENTAL REMEDIATION SERVICES
15375 BARRANCA PARKWAY, SUITE #J-101
IRVINE, CALIFORNIA 92618
PHONE: (949) 453-1045 FAX: (949) 453-1047

Table F1
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD Blower Monitoring Data Summary

Blower ID	Date	Vaccum (in H_2O)	Flow Rate (SCFM)	PID Reading (ppmv)
SSDB-01	8/11/2010	2.17	38	1.3
	8/17/2010	2.04	52	8.0
	9/17/2010	0.00	92	3.9
	11/19/2010	1.49	113	1.8
	3/11/2011	1.30	135	0.3
	6/24/2011	1.16	135	0.1
	7/28/2011	1.12	142	0.0
	7/30/2011	1.09	143	1.0
	9/20/2011	1.06	148	0.0
	12/14/2011	1.09	153	1.1
	3/29/2012	1.08	148	0.0
SSDB-02	8/11/2010	2.39	15	2.1
	8/17/2010	2.10	45	9.8
	11/19/2010	1.94	61	4.0
	3/11/2011	1.89	80	1.5
	6/24/2011	1.83	79	0.4
	7/28/2011	1.80	44	0.0
	7/30/2011	1.80	79	1.5
	9/20/2011	1.83	80	0.0
	12/14/2011	1.43	82	1.6
	3/29/2012	1.83	77	0.0
SSDB-03	8/11/2010	1.76	95	2.3
	8/17/2010	1.71	98	7.5
	11/19/2010	1.79	79	3.9
	3/11/2011	1.81	104	1.2
	6/24/2011	1.66	111	0.0
	7/28/2011	1.60	68	0.0
	7/30/2011	1.60	115	1.3
	9/20/2011	1.54	122	0.0
	12/14/2011	1.56	117	1.4
	3/29/2012	1.54	120	0.0
SSDB-04	8/11/2010	0.00	29	4.6
	8/17/2010	2.02	58	8.5
	11/19/2010	0.03	33	3.0
	3/11/2011	0.00	130	1.0
	6/24/2011	NA	145	0.0
	7/28/2011	1.18	146	0.0
	7/30/2011	NM	138	1.0
	9/20/2011	1.12	153	0.0
	12/14/2011	1.10	154	0.4
	3/29/2012	1.12	145	0.0
SSDB-05	8/11/2010	2.15	53	11.8
	8/17/2010	2.07	55	19.5
	11/19/2010	2.10	60	9.5
	3/11/2011	2.20	52	7.3
	6/24/2011	2.06	66	0.1
	7/28/2011	2.02	76	0.0
	7/30/2011	2.02	72	2.2
	9/20/2011	1.97	79	1.5
	12/14/2011	2.06	77	2.5
	3/29/2012	2.01	85	0.0

Table F1
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD Blower Monitoring Data Summary

Blower ID	Date	Vaccum (in H_2O)	Flow Rate (SCFM)	PID Reading (ppmv)
SSDB-06	8/11/2010	1.29	154	3.5
	8/17/2010	1.28	35	8.5
	11/19/2010	1.31	137	3.2
	3/11/2011	1.34	160	2.1
	3/17/2011	1.37	160	1.5
	3/30/2011	1.34	163	1.2
	6/24/2011	1.30	166	0.5
	7/28/2011	2.21	170	0.0
	7/30/2011	1.29	165	1.5
	9/20/2011	1.26	164	0.0
	12/14/2011	1.28	163	0.5
	3/29/2012	1.03	167	0.0
SSDB-07	8/11/2010	2.26	29	4.0
	8/17/2010	2.18	36	6.5
	11/19/2010	2.09	27	5.6
	3/11/2011	2.21	43	6.6
	3/17/2011	2.19	43	7.3
	3/30/2011	2.17	41	6.0
	6/24/2011	2.09	55	2.0
	7/28/2011	2.04	56	1.6
	7/30/2011	2.02	54	6.0
	9/20/2011	1.97	61	8.5
	12/14/2011	2.07	71	6.6
	3/29/2012	1.83	61	0.0
SSDB-08	8/11/2010	2.45	11	258
	8/17/2010	2.36	12	230
	9/17/2010	0.00	11	205
	11/19/2010	2.46	11	181
	12/10/2010	2.30	10	185
	1/27/2011	0.00	8.2	NM
	2/25/2011	2.42	10	4.3
	3/3/2011	2.40	10	69.5
	3/10/2011	2.18	11	80.0
	3/11/2011	2.35	12	50.0
	3/17/2011	2.28	6.3	78.2
	3/30/2011	2.30	11	37.0
	4/14/2011	2.35	25	84.0
	4/28/2011	2.30	11	62.7
	5/6/2011	0.76	4.6	31.4
	6/10/2011	0.48	3.3	1.5
	6/17/2011	0.51	3.5	1.3
	6/24/2011	0.39	2.9	1.5
	7/28/2011	3.51	15	2.3
	7/30/2011	3.54	15	6.8
	9/20/2011	3.71	16	4.6
	10/4/2011	3.67	16	3.0
	10/11/2011	3.56	16	7.0
	10/18/2011	3.45	14	8.4
	10/25/2011	3.50	15	11.2
	11/1/2011	3.50	14	10.0
	11/8/2011	3.49	9	10.8
	11/15/2011	3.47	14	21.4
	11/22/2011	3.45	15	33.0
	11/29/2011	3.40	16	47.0
	12/6/2011	3.57	13	46.0
	12/14/2011	3.56	14	46.8
	3/29/2012	NM	NM	NM

Table F1
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD Blower Monitoring Data Summary

Blower ID	Date	Vaccum (in H_2O)	Flow Rate (SCFM)	PID Reading (ppmv)
SSDB-09 [a]	12/10/2010	2.60	6.7	10.5
	3/11/2011	2.62	7.0	1.0
	6/24/2011	2.51	7.4	1.8
	7/28/2011	2.51	7.1	9.2
	7/30/2011	2.51	7.4	18.5
	9/20/2011	2.17	7.1	47.8
	12/14/2011	2.64	11	38.6
	3/29/2012	NM	NM	NM
SSDB-10 [b]	12/10/2010	2.40	12	43.7
	1/27/2011	2.00	7.2	NM
	3/11/2011	2.48	10	273
	6/24/2011	2.43	10	55.2
	7/28/2011	2.44	10	14.7
	7/30/2011	2.44	10	23.4
	9/20/2011	2.46	8.8	16.0
	12/14/2011	2.53	10	7.3
	3/29/2012	NM	NM	NM
SSDB-11 [c]	12/10/2010	2.50	10	123
	1/27/2011	2.00	8.3	NM
	3/11/2011	2.43	11	115
	6/24/2011	2.34	10	113
	7/28/2011	2.34	19	187
	7/30/2011	2.34	15	181
	9/20/2011	2.33	18	277
	12/14/2011	2.42	12	143
	3/29/2012	NM	NM	NM
SSDB-12 [d]	3/15/2011	2.10	64	2.5
	3/17/2011	NM	NM	0.0
	6/24/2011	1.94	25	0.7
	7/28/2011	1.85	49	0.0
	7/30/2011	1.86	85	1.5
	9/20/2011	1.79	98	0.0
	12/14/2011	1.76	109	0.5
	3/29/2012	1.68	111	0.0
SSDB-13 [d]	3/15/2011	0.51	155	0.2
	3/17/2011	NM	NM	0.0
	6/24/2011	1.23	160	0.5
	7/28/2011	1.19	161	0.0
	7/30/2011	1.18	159	1.3
	9/20/2011	1.12	155	1.0
	12/14/2011	1.13	38	0.8
	3/29/2012	1.17	165	0.0
SSDB-14 [d]	3/15/2011	1.49	157	0.0
	3/17/2011	NM	NM	1.3
	6/24/2011	1.49	159	2.0
	7/28/2011	1.45	159	1.0
	7/30/2011	1.44	161	5.5
	9/20/2011	1.40	165	6.5
	12/14/2011	1.47	162	5.6
	3/29/2012	1.47	161	1.7

Table F1
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD Blower Monitoring Data Summary

Blower ID	Date	Vaccum (in H_2O)	Flow Rate (SCFM)	PID Reading (ppmv)
SSDB-15 [d]	3/15/2011	1.54	165	0.0
	3/17/2011	NM	NM	0.0
	6/24/2011	1.47	160	0.5
	7/28/2011	1.43	167	0.0
	7/30/2011	1.44	155	1.2
	9/20/2011	1.39	160	0.3
	12/14/2011	1.44	165	0.9
	3/29/2012	1.42	160	0.2
SSDB-16 [d]	3/15/2011	2.06	20	5.5
	3/17/2011	2.37	5.3	0.0
	3/30/2011	2.40	4.0	0.0
	6/24/2011	2.22	14	0.0
	7/28/2011	1.86	52	0.0
	7/30/2011	1.84	44	2.7
	9/20/2011	1.55	76	5.5
	12/14/2011	1.39	93	2.1
	3/29/2012	1.29	104	0.0
SSDB-17 [d]	3/15/2011	2.01	6	17.4
	3/17/2011	NM	NM	15.1
	5/6/2011	0.85	2.4	181
	6/10/2011	0.57	2.2	9.1
	6/17/2011	0.55	1.9	7.0
	6/24/2011	0.44	0.0	9.8
	7/28/2011	3.99	6.2	473
	7/30/2011	4.01	9.3	327
	9/20/2011	3.92	8.0	397
	10/4/2011	3.98	8.0	545
	10/11/2011	3.89	8.6	389
	10/18/2011	3.72	8.5	475
	10/25/2011	3.80	8.0	495
	11/1/2011	3.79	8.0	545
	11/8/2011	3.73	4.3	431
	11/15/2011	3.74	8.3	495
	11/22/2011	3.73	8.0	525
	11/29/2011	3.65	8.0	502
	12/6/2011	3.82	8.0	454
	12/14/2011	3.84	7.7	539
	3/29/2012	NM	NM	NM
SSDB-18 [e]	3/15/2011	2.71	0.0	880
	3/17/2011	2.77	0.5	25.9
	3/30/2011	2.68	0.3	14.2
	6/24/2011	2.72	12	0.2
	7/28/2011	2.16	36	0.0
	7/30/2011	2.15	35	2.9
	9/20/2011	2.00	57	6.9
	12/14/2011	2.01	67	8.9
	3/29/2012	1.94	77	0.0

Notes:

[a]Formerly SSDVMP-8 and converted to blower pit in December 2010

[b]Formerly SSDVMP-9 and converted to blower pit in December 2010

[c]Blower pit installed in December 2010

[d]Blower pit installed in March 2011

[e]Formerly SSDVMP-10 and converted to blower pit in March 2010

in H_2O - inches of water

SCFM - cubic feet per minute under standard conditions

ppmv - parts per million by volume

Table F2
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD VMP Monitoring Data Summary

SSD VMP ID	Date	Vaccum (in H_2O)
SSDVMP-01	8/11/2010	0.004
	8/17/2010	0.005
	11/19/2010	0.015
	3/15/2011	0.085
	6/28/2011	0.061
	7/30/2011	0.002
	9/20/2011	0.004
	12/14/2011	0.075
	3/29/2012	0.085
SSDVMP-02	8/11/2010	0.081
	8/17/2010	0.010
	11/19/2010	0.043
	3/15/2011	0.497
	6/28/2011	0.415
	7/30/2011	0.001
	9/20/2011	0.338
	12/14/2011	0.238
	3/29/2012	0.402
SSDVMP-03	8/11/2010	0.009
	8/17/2010	0.005
	11/19/2010	0.041
	3/15/2011	0.213
	6/28/2011	0.235
	7/30/2011	0.001
	9/20/2011	0.175
	12/14/2011	0.290
	3/29/2012	0.337
SSDVMP-04	8/11/2010	0.749 *
	8/17/2010	0.004
	11/19/2010	0.701
	3/15/2011	0.345
	6/28/2011	0.001
	7/30/2011	0.316
	9/20/2011	0.035
	12/14/2011	0.281
	3/29/2012	-0.393
SSDVMP-05	8/11/2010	0.108
	8/17/2010	0.117
	11/19/2010	0.085
	3/15/2011	0.179
	6/28/2011	0.091
	7/30/2011	-0.007
	9/20/2011	0.025
	12/14/2011	0.151
	3/29/2012	0.243
SSDVMP-06	8/11/2010	0.000
	8/17/2010	0.006
	11/19/2010	0.016
	3/15/2011	0.066
	6/28/2011	0.057
	7/30/2011	-0.001
	9/20/2011	0.052
	12/14/2011	0.081
	3/29/2012	0.078

Table F2
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD VMP Monitoring Data Summary

SSD VMP ID	Date	Vaccum (in H_2O)
SSDVMP-07	8/11/2010	0.024
	8/17/2010	0.029
	11/19/2010	0.014
	3/15/2011	0.057
	3/17/2011	0.030
	6/28/2011	0.039
	7/30/2011	-0.002
	9/20/2011	0.055
	12/14/2011	0.103
	3/29/2012	0.203
SSDVMP-08[a]	8/11/2010	0.014
	8/17/2010	0.015
	11/19/2010	0.220
SSDVMP-09[a]	8/11/2010	0.019
	8/17/2010	0.014
	11/19/2010	0.028
SSDVMP-10[d]	8/11/2010	0.670
	8/17/2010	1.373
	11/19/2010	1.240
SSDVMP-11[b]	12/10/2010	0.733
	3/15/2011	0.830
	6/24/2011	0.773
	6/28/2011	0.767
	7/30/2011	0.026
	9/20/2011	0.312
	10/4/2011	0.741
	10/11/2011	0.732
	10/18/2011	0.747
	10/25/2011	0.752
	11/1/2011	0.735
	11/8/2011	0.679
	11/15/2011	0.727
	11/22/2011	0.698
	11/29/2011	0.731
	12/6/2011	0.687
	12/14/2011	0.704
	3/29/2012	NM
SSDVMP-12[b]	12/10/2010	0.152
	3/15/2011	0.286
	6/24/2011	0.131
	6/28/2011	0.184
	7/30/2011	0.000
	9/20/2011	0.227
	10/4/2011	0.249
	10/11/2011	0.247
	10/18/2011	0.249
	10/25/2011	0.255
	11/1/2011	0.247
	11/8/2011	0.235
	11/15/2011	0.242
	11/22/2011	0.243
	11/29/2011	0.252
	12/6/2011	0.224
	12/14/2011	0.267
	3/29/2012	NM

Table F2
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD VMP Monitoring Data Summary

SSD VMP ID	Date	Vaccum (in H_2O)
SSDVMP-13[b]	12/10/2010	0.355
	3/15/2011	0.433
	6/24/2011	0.307
	6/28/2011	0.310
	7/30/2011	-0.001
	9/20/2011	0.301
	10/4/2011	0.367
	10/11/2011	0.360
	10/18/2011	0.369
	10/25/2011	0.366
	11/1/2011	0.362
	11/8/2011	0.354
	11/15/2011	0.358
	11/22/2011	0.358
	11/29/2011	0.315
	12/6/2011	0.344
	12/14/2011	0.383
	3/29/2012	NM
SSDVMP-14[c]	3/15/2011	0.100
	6/28/2011	0.047
	7/30/2011	-0.001
	9/20/2011	0.040
	12/14/2011	0.078
	3/29/2012	0.084
SSDVMP-15[c]	3/15/2011	0.154
	6/28/2011	0.194
	7/30/2011	0.001
	9/20/2011	0.149
	12/14/2011	0.170
	3/29/2012	0.175
SSDVMP-16[c]	3/15/2011	0.584
	6/28/2011	0.587
	7/30/2011	0.004
	9/20/2011	0.521
	12/14/2011	NM
	3/29/2012	0.563
SSDVMP-17[c]	3/15/2011	0.023
	3/17/2011	0.002
	6/28/2011	0.011
	7/30/2011	-0.001
	9/20/2011	0.012
	12/14/2011	0.045
	3/29/2012	0.031
SSDVMP-18[c]	3/15/2011	0.000
	3/17/2011	0.000
	6/28/2011	0.000
	7/30/2011	0.000
	9/20/2011	0.000
	12/14/2011	0.027
	3/29/2012	0.015

Table F2
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD VMP Monitoring Data Summary

SSD VMP ID	Date	Vaccum (in H_2O)
SSDVMP-19[c]	3/15/2011	0.326
	6/24/2011	0.253
	6/28/2011	0.250
	7/30/2011	0.001
	9/20/2011	0.226
	10/4/2011	0.271
	10/11/2011	0.237
	10/18/2011	0.272
	10/25/2011	0.275
	11/1/2011	0.266
	11/8/2011	0.254
	11/15/2011	0.260
	11/22/2011	0.261
	11/29/2011	0.214
	12/6/2011	0.245
	12/14/2011	0.287
	3/29/2012	NM

Notes:

in H2O - inches of water

* indicates detected positive pressure

[a]Converted to blower pit in December 2010

[b]Installed in December 2010

[c]Installed in March 2011

[d]Converted to blower pit in March 2011

Table F3
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Sub-Slab Depressurization System Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1-DCE	1,1-DCA	2-Butanone	4M2P	Acetone	CDS	CFM	CMT	DFM	Benzene	Toluene	EBN	o-Xylene	m,p-Xylene	Freon 113	Freon 11	Hexane	t-1,2-DCE	IPA	MC	Total VOCs
SSD-B1	08/17/10	ORIG	390	21	160	1.9 U	4.8	1.9 U	32	0.56 J	0.84 J	0.73 J	0.66 J	0.54 J	1.7 J	0.43 J	0.42 J	1.4 J	18	11	0.52 J	1.9 U	22	6.7	670
	09/17/10	ORIG	14	0.6 J	1.1 J	1.9 U	1.9 U	1.9 U	2.7 J	9.4 U	1.9 U	3.7 U	1.9 U	0.5 J	0.18 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	9.4 U	1.9 U	1.8 J	1.9 U	21
	12/14/11	ORIG	1.7 U	1.7 U	1.7 U	1.7 U	1.2 J	0.95 J	18 J	0.29 J	1.7 U	0.87 J	0.62 J	0.64 J	1.9	1.7 U	0.26 J	0.68 J	1.7 U	1.7 U	8.4 U	1.7 U	20	1.7 U	45
	03/29/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	4.4	2 U	0.5 U	0.66	0.54	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	5 U	5 U	--
SSD-B2	08/17/10	ORIG	320	13	28	1.9 U	6.6	1.9 U	35	0.9 J	0.28 J	0.47 J	0.68 J	0.52 J	1.1 J	0.26 J	0.23 J	0.79 J	1.9	1.5 J	0.43 J	1.9 U	11	1.4 J	420
	12/14/11	ORIG	6	0.64 J	0.72 J	1.7 U	1.7 U	1.7 U	13 J	8.4 U	0.4 J	1 J	0.53 J	0.39 J	0.95 J	1.7 U	1.7 U	0.49 J	1.4 J	1.7 U	8.4 U	1.7 U	14	1.3 J	41
	03/29/12	ORIG	6.4	0.5 U	0.72	0.5 U	1.5 U	1.5 U	12	2 U	0.5 U	0.56	0.5 U	0.5 U	0.61	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	13	5 U	--
SSD-B3	08/17/10	ORIG	210	9.7	67	2 U	2.6	2 U	14	9.9 U	0.62 J	0.39 J	0.7 J	0.35 J	0.51 J	0.23 J	0.22 J	0.62 J	13	7.7	9.9 U	2 U	17	0.74 J	350
	12/14/11	ORIG	2.1	1.7 U	1.8	1.7 U	1.7 U	1.7 U	13 J	8.7 U	1.7 U	0.59 J	0.65 J	1.7 U	0.71 J	1.7 U	1.7 U	1.7 U	16	2.4	8.7 U	1.7 U	13	1.7 U	50
	03/29/12	ORIG	2.4	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	11	2 U	0.5 U	0.5 U	0.55	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	13	5 U	--
SSD-B4	08/17/10	ORIG	300	13	110	2 U	9.9	2 U	40	10 U	0.88 J	0.53 J	0.68 J	0.48 J	0.55 J	0.23 J	0.21 J	0.73 J	7.7	5.9	0.22 J	2 U	9.2 J	2 U	500
	12/14/11	ORIG	0.82 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	14 J	8.4 U	1.7 U	0.9 J	0.66 J	0.34 J	0.75 J	1.7 U	1.7 U	0.41 J	1.7 U	1.7 U	8.4 U	1.7 U	21	1.7 U	39
	03/29/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	17	2 U	0.5 U	0.61	0.8	0.5 U	0.53	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	14	5 U	--
SSD-B5	08/17/10	ORIG	920	60	780	5.8 U	6.6	4.6 J	43	8.9 J	2.9 J	12 U	1.3 J	1.2 J	3 J	0.59 J	0.54 J	1.6 J	130	74	0.76 J	5.8 U	5.3 J	5.8 U	2000
	12/14/11	ORIG	160	11	36	1.7 U	1.7 U	1.7 U	6.1 J	5 J	2.9	3.4 U	0.6 J	1.7 U	0.3 J	1.7 U	1.7 U	1.7 U	7	3.7	8.4 U	1.7 U	8.4 U	1.7 U	230
	03/29/12	ORIG	0.57	5.9	0.5 U	0.5 U	1.5 U	1.5 U	7.8	2 U	0.5 U	0.5 U	0.57	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	5 U	5 U	--
SSD-B6	08/17/10	ORIG	190	14	59	2 U	3.5	2 U	16	10 U	0.57 J	0.4 J	0.63 J	0.39 J	0.48 J	0.2 J	0.21 J	0.57 J	6.5	4.1	0.22 J	2 U	6.6 J	2 U	300
	12/14/11	ORIG	1.4 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	13 J	8.4 U	1.7 U	0.65 J	0.61 J	0.38 J	0.81 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.4 U	1.7 U	65	1.7 U	82
	03/29/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	7.7	2 U	0.5 U	0.55	0.61	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	23	5 U	--
SSD-B7	08/17/10	ORIG	120	8.2	10	2 U	5.3	2 U	23	9.9 U	0.77 J	0.65 J	0.65 J	0.36 J	0.63 J	0.31 J	0.27 J	0.94 J	0.41 J	0.58 J	0.38 J	2 U	2.5 J	2 U	170
	12/14/11	ORIG	260	29	90	1.2 J	1.7 U	1.7 U	39 J	8.4 U	14	0.89 J	0.64 J	0.55 J	0.97 J	0.13 J	0.28 J	0.64 J	18	9.8	8.4 U	0.3 J	4.2 J	1.7 U	470
	03/29/12	ORIG	3.4	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	7.7	2 U	0.5 U	0.52	0.53	0.5 U	0.78	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	11	5 U	--
SSD-B8	08/17/10	ORIG	18000	1100	9900	95 U	95 U	95 U	150 J	51 J	30 J	190 U	95 U	9.5 J	18 J	95 U	95 U	95 U	930	580	480 U	95 U	27 J	95 U	31000
	09/17/10	ORIG	19000	960	8200	97 U	97 U	97 U	190 J	63 J	27 J	190 U	97 U	28 J	25 J	97 U	97 U	97 U	830	490	490 U	97 U	51 J	97 U	30000
	12/10/10	ORIG	23000	1400	9300	170 U	170 U	170 U	290 J	140 J	49 J	340 U	170 U	15 J	29 J	170 U	170 U	170 U	680	470	860 U	170 U	860 U	170 U	35000
	06/24/11	ORIG	390	9.3	5.4	1.9 U	13	1.9 U	18	9.4 U	0.85 J	3.7 U	0.64 J	0.77 J	0.74 J	1.9 U	1.9 U	0.66 J	2.8	1.9 U	9.4 U	1.9 U	9.4 U	1.9 U	440
	07/19/11	ORIG	530	18	45	2.5 U	23	2.5 U	77	12 U	3.1	5 U	1.1 J	1.3 J	0.87 J	2.5 U	2.5 U	0.87 J	79	15	12 U	2.5 U	2.7 J	2.5 U	800
	08/18/11	ORIG	400	16	28	1.7 U	2	1.7 U	15	8.4 U	3.6	3.4 U	0.67 J	0.55 J	0.6 J	1.7 U	1.7 U	1.7 U	44	10	8.4 U	1.7 U	1.5 J	1.7 U	520
	09/13/11	ORIG	210	7.9	18	1.8 U	4.8	1.8 U	21	8.9 U	1.8	0.64 J	0.75 J	0.55 J	0.77 J	1.8 U	1.8 U	1.8 U	29	6.7	8.9 U	1.8 U	8.9 U	1.8 U	300
	10/11/11	ORIG	490	21	87	2.5	2.5	2.5	35	12	4.6	1.4 J	1.3 J	1.3 J	1.9 J	2.5	2.5	2.5	240	41	0.7 J	2.5	4.5 J	2.5	930
	11/08/11	ORIG	680	43	220	3.7 U	3.7 U	3.7 U	17 J	18 U	8.8	7.3 U	1.2 J	1.3 J	1.3 J	3.7 U	3.7 U	3.7 U	380	89	18 U	3.7 U	18 U	3.7 U	1400
	12/14/11	ORIG	1800	99	570	2.7 J	8.6 U	3.3 J	19 J	3.1 J	29	17 U	1.4 J	8.6 U	2.4 J	8.6 U	8.6 U	8.6 U	480	140	43 U	2.1 J	43 U	8.6 U	3200

Table F3
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Sub-Slab Depressurization System Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1-DCE	1,1-DCA	2-Butanone	4M2P	Acetone	CDS	CFM	CMT	DFM	Benzene	Toluene	EBN	o-Xylene	m,p-Xylene	Freon 113	Freon 11	Hexane	t-1,2-DCE	IPA	MC	Total VOCs
SSD-B9	12/10/10	ORIG	1800	41	6.1 J	10 U	45	10 U	33 J	51 U	3.7 J	21 U	1.2 J	2.2 J	4 J	1.5 J	3.8 J	4.9 J	1.7 J	10 U	51 U	10 U	51 U	10 U	1900
	12/14/11	ORIG	1500	140	440	3.9 J	7.2 U	4.7 J	18 J	4.4 J	20	14 U	7.2 U	1.5 J	3.2 J	0.79 J	2.2 J	4.3 J	61	30	36 U	7.2 U	36 U	7.2 U	2200
SSD-B10	12/10/10	ORIG	15000	690	6100	100 U	54 J	100 U	330 J	520 U	38 J	210 U	7.9 J	19 J	56 J	12 J	36 J	53 J	3300	960	520 U	100 U	520 U	100 U	27000
	12/14/11	ORIG	570	22	130	0.99 J	2.4 U	2.4 U	11 J	12 U	22	1 J	1.7 J	1.2 J	1.2 J	2.4 U	2.4 U	2.4 U	290	48	12 U	2.4 U	12 U	2.4 U	1100
SSD-B11	12/10/10	ORIG	7200	350	370	43 U	43 U	43 U	53 J	210 U	16 J	86 U	43 U	5.4 J	8.6 J	43 U	43 U	12 J	180	30 J	210 U	43 U	210 U	43 U	8200
	12/14/11	ORIG	5800	520	1900	13 J	25 U	25 U	35 J	9.4 J	110	51 U	2.3 J	25 U	5.8 J	25 U	25 U	25 U	1300	360	130 U	8.7 J	130 U	25 U	10000
SSD-B12	03/22/11	ORIG	800	41	150	3.5 U	4.9	3.5 U	19	1.7 J	1.8 J	1 J	1.2 J	0.83 J	2.6 J	0.67 J	0.81 J	2.3 J	120	20	17 U	3.5 U	3.4 J	2.2 J	1200
	12/14/11	ORIG	4.9	1.7 U	0.6 J	1.7 U	1.7 U	1.7 U	13 J	0.52 J	0.28 J	1.1 J	0.67 J	0.43 J	0.94 J	1.7 U	1.7 U	0.46 J	1.5 J	1.7 U	8.7 U	1.7 U	13	1.8	39
	03/29/12	ORIG	8.9	1.1	0.95	0.5 U	1.5 U	1.5 U	13	2 U	0.5 U	0.67	0.58	0.5 U	0.76	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	9	5 U	--
SSD-B13	03/22/11	ORIG	57	4	11	1.7 U	2.5	1.7 U	11	6.5 J	1.7 U	0.67 J	0.78 J	0.46 J	0.78 J	0.55 J	0.42 J	1.4 J	1.7 U	0.46 J	8.7 U	1.7 U	12	4.2	110
	12/14/11	ORIG	40	1.4 J	1.3 J	1.8 U	1.8 U	1.8 U	21 J	0.36 J	0.46 J	0.99 J	0.63 J	0.38 J	1 J	1.8 U	1.8 U	0.54 J	1.8	1.8 U	9 U	1.8 U	17	2.2	89
	03/29/12	ORIG	2.1	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	8.7	2 U	0.5 U	0.65	0.57	0.5 U	0.64	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	5	5 U	--
SSD-B14	03/22/11	ORIG	130	7.2	160	1.7 U	14	1.7 U	26	8.6 U	0.82 J	0.6 J	0.91 J	0.37 J	0.43 J	0.2 J	0.16 J	0.59 J	83	17	8.6 U	1.7 U	2.9 J	0.31 J	440
	12/14/11	ORIG	310	20	100	1.7 U	1.7 U	1.7 U	9.3 J	8.4 U	1.4 J	3.4 U	0.69 J	1.7 U	0.47 J	1.7 U	1.7 U	1.7 U	60	18	8.4 U	1.7 U	6.3 J	1.7 U	530
	03/29/12	ORIG	270	19	26	1.2 U	3.8 U	3.8 U	12	5 U	1.6	1.2 U	1.2 U	1.2 U	1.3	1.2 U	1.2 U	5 U	6.2	3	5 U	1.2 U	12 U	12 U	--
SSD-B15	03/22/11	ORIG	170	14	93	1.7 U	2	1.7 U	10	0.4 J	0.6 J	0.7 J	0.93 J	0.55 J	1.4 J	1.1 J	4.7	12	37	8.9	8.6 U	1.7 U	4.3 J	1.2 J	360
	12/14/11	ORIG	28	1.1 J	20	1.8 U	1.8 U	1.8 U	11 J	9 U	1.8 U	3.6 U	0.86 J	1.8 U	0.65 J	1.8 U	1.8 U	1.8 U	95	14	9 U	1.8 U	9	0.88 J	180
	03/29/12	ORIG	28	1.2	17	0.5 U	1.5 U	1.5 U	7.9	2 U	0.5 U	0.5 U	0.61	0.5 U	1.5	0.5 U	0.5 U	2 U	24	4.9	2 U	0.5 U	11	5 U	--
SSD-B16	03/22/11	ORIG	5.4	0.27 J	3.6	1.7 U	19	1.7 U	21	8.4 U	1.7 U	0.56 J	0.85 J	0.6 J	0.24 J	1.7 U	1.7 U	1.7 U	5.4	1.7	8.4 U	1.7 U	1.1 J	1.7 U	62
	12/14/11	ORIG	150	11	12	1.7 U	1.7 U	1.7 U	7.7 J	0.27 J	3.3	3.4 U	0.59 J	1.7 U	0.39 J	1.7 U	1.7 U	1.7 U	1.8	1.1 J	8.6 U	1.7 U	5.9 J	1.7 U	190
	03/29/12	ORIG	4.8	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	18	2 U	0.5 U	0.5 U	0.59	1	4.7	0.54	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	9	5 U	--
SSD-B17	03/22/11	ORIG	140000	10000	52000	570 U	570 U	570 U	420 J	2900 U	470 J	1100 U	570 U	86 J	49 J	570 U	570 U	570 U	8100	3300	2900 U	86 J	2900 U	570 U	210000
	06/24/11	ORIG	1400	84	22	4.1 J	14	7.5 U	44	37 U	36	15 U	1.6 J	4.2 J	3.9 J	7.5 U	7.5 U	2.7 J	5.3 J	7.5 U	37 U	7.5 U	8.7 J	7.5 U	1600
	07/19/11	ORIG	23000	2300	5200	99 J	120 U	120 U	410 J	610 U	760	240 U	120 U	66 J	74 J	17 J	26 J	50 J	3500	780	610 U	46 J	610 U	120 U	36000
	08/18/11	ORIG	23000	2200	7000	84 J	100 U	160	520	79 J	860	200 U	100 U	22 J	20 J	100 U	100 U	100 U	6400	1600	510 U	38 J	300 J	100 U	42000
	09/13/11	ORIG	14000	1500	6300	66 J	100 U	100 U	360 J	500 U	680	200 U	11 J	30 J	39 J	6.9 J	100 U	100 U	6500	860	500 U	23 J	500 U	100 U	30000
	10/11/11	ORIG	14000	1100	4500	31 J	88	67 J	370 J	440	430	180	88	29 J	89	88	33 J	40 J	4700	730	440	88	440	88	26000
	11/08/11	ORIG	2	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	17	8.7 U	1.7 U	0.85 J	0.79 J	1.2 J	1.9	1.7 U	0.3 J	0.81 J	1.7 U	1.7 U	8.7 U	1.7 U	2.8 J	1.7 U	28
	12/14/11	ORIG	25000	2000	12000	81 J	120 U	120 U	220 J	43 J	980	240 U	20 J	25 J	37 J	120 U	120 U	53 J	13000	3300	590 U	42 J	590 U	120 U	57000
SSD-B18	03/22/11	ORIG	15	6.7 U	1.6 J	6.7 U	1600	6.7 U	93	34 U	6.7 U	13 U	0.89 J	1.3 J	2.5 J	8	4.7 J	25	6.7 U	6.7 U	34 U	6.7 U	11 J	6.7 U	1800
	12/14/11	ORIG	520	32	110	0.63 J	2.4 U	2.4 U	9.6 J	0.61 J	7.2	4.8 U	0.67 J	2.4 U	0.5 J	2.4 U	2.4 U	2.4 U	34	15	12 U	2.4 U	12 U	2.4 U	730
	03/29/12	ORIG	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	1.5 U	6.2	2 U	0.5 U	0.62	0.59	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1.5 U	1 U	2 U	0.5 U	5 U	5 U	--

Table F3
Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Sub-Slab Depressurization System Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1-DCE	1,1-DCA	2-Butanone	4M2P	Acetone	CDS	CFM	CMT	DFM	Benzene	Toluene	EBN	o-Xylene	m,p-Xylene	Freon 113	Freon 11	Hexane	t-1,2-DCE	IPA	MC	Total VOCs
VMP-12	09/28/11	ORIG	1900	19	7.5 J	9 U	9 U	18	22 J	11 J	2.7 J	18 U	9 U	5.1 J	4.3 J	31	42	70	6.5 J	9 U	3.3 J	9 U	45 U	9 U	2100
VMP-16	09/27/11	ORIG	260	19	130	0.3 J	1.7 U	1.7 U	12	8.7 U	1.2 J	0.6 J	1.9	1.4 J	1.8	2.1	1.2 J	5.7	260	28	8.7 U	1.7 U	4.9 J	0.9 J	730

Notes:

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

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

PCE = Tetrachloroethene; TCE = Trichloroethene; DCE = Dichloroethene; DCA = Dichloroethane; 4M2P = 4-methyl-2-pentanone; CDS = Carbon Disulfide; CFM = Chloroform, CMT = Chloromethane; DFM = Dichlorodifluoromethane; EBN = Ethylbenzene; MC = Methylene chloride; Freon 11 = Trichlorofluoromethane; Freon 113 = 1,1,2-Trihloro-1,2,2-trifluoroethane; IPA = Isopropyl alcohol.

Sample Type:
ORIG = Original sample

Table F4
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD Vapor Treatment System Monitoring Data Summary

Location	Date	Time	Pressure (in H_2O)	Flow (scfm)	Temp (deg F)	RH (%)	VOC Reading (ppm)
Influent	5/6/2011	1415	1.96	4.9	101	31	95.2
	5/20/2011	0945	NA	3.8	90	46	56
	5/27/2011	1505	1.86	4.8	-	-	32
	6/1/2011	1156	2.24	3.3	87	47	5.3
	6/10/2011	1259	2.17	3.5	75	62	6.3
	6/17/2011	1330	2.20	3.2	96	43	4
	6/24/2011	1100	2.22	3.1	99	46	2.8
	7/5/2011	1405	4.23	3.9	102	33	26
	7/13/2011	1250	4.46	3.4	88	61	3.5
	7/19/2011	1245	0.37	17.0	109	34	157
	7/26/2011	0930	0.47	20.0	90	43	169
	7/28/2011	1924	0.46	19.6	80.2	53	176
	8/2/2011	0957	0.49	20.0	95	44	177
	8/10/2011	1410	0.47	18.6	96	42	158
	8/18/2011	1028	0.49	19.9	94	47	165
	8/24/2011	1000	0.50	20.0	88	53	261
	8/29/2011	1117	0.49	18.0	97	41	267
	9/6/2011	0907	0.49	19.0	87	57	326
	9/13/2011	1140	0.50	17.0	99	34	218
	9/20/2011	1040	0.50	20.0	87	55	249
	9/28/2011	1415	0.50	19.0	88	50	230
	10/4/2011	1301	0.48	19.0	78	51	262
	10/11/2011	1025	0.51	19.0	86	43	286
	10/18/2011	1142	0.79	22.0	85	48	288
	10/25/2011	1053	0.79	23.0	70	66	286
	11/1/2011	1043	0.79	23.0	76	54	275
	11/8/2011	1130	0.83	22.0	77	42	204
	11/15/2011	1133	0.80	21.0	78	47	249
	11/22/2011	1243	0.83	21.0	81	43	285
	11/29/2011	1254	0.81	20.0	86	37	332
	12/6/2011	1045	0.81	23.0	72	36	315
	12/14/2011	1440	0.78	22.2	72	46	338.8

Table F4
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD Vapor Treatment System Monitoring Data Summary

Location	Date	Time	Pressure (in H_2O)	Flow (scfm)	Temp (deg F)	RH (%)	VOC Reading (ppm)
Midpoint	5/6/2011	1420	1.52	5.3	102	31	0
	5/20/2011	1020	NA	7.6	81	47	0
	5/27/2011	1515	2.01	6.1	-	-	0
	6/1/2011	1201	2.00	6.1	85	49	0
	6/10/2011	1303	1.64	5.1	76	60	0
	6/17/2011	1334	2.04	6.3	96	44	0
	6/24/2011	1100	1.96	6.1	97	46	0
	7/5/2011	1408	3.65	9.8	107	33	0
	7/13/2011	1253	3.96	8.0	91	62	0
	7/19/2011	1240	0.17	NA	NA	NA	0.2
	7/26/2011	0935	0.19	21.0	89	43	41.5
	7/28/2011	1926	1.93	21.2	80	52	0
	8/2/2011	1000	0.20	23.0	97	45	1.7
	8/10/2011	1415	0.20	24.5	99	41	5
	8/18/2011	1032	0.20	21.7	92	49	24.5
	8/24/2011	1002	0.20	23.6	90	52	38.5
	8/29/2011	1122	0.19	24.0	99	41	28
	9/6/2011	0910	0.18	24.0	88	57	60
	9/13/2011	1145	0.21	25.0	99	40	45
	9/20/2011	1042	0.20	26.0	88	54	49
	9/28/2011	1420	0.20	24.0	89	50	78
	10/4/2011	1304	0.20	24.0	82	50	36
	10/11/2011	1030	0.20	24.4	87	48	72
	10/18/2011	1147	0.34	26.0	86	48	0
	10/25/2011	1056	0.33	26.0	71	66	0
	11/1/2011	1046	0.33	27.0	77	54	0
	11/8/2011	1140	0.34	28.0	82	34	0.7
	11/15/2011	1135	0.33	28.0	79	47	15.1
	11/22/2011	1246	0.34	27.0	78	46	118
	11/29/2011	1257	0.31	30.0	91	38	58
	12/6/2011	1047	0.32	26.0	71	40	56
	12/14/2011	1445	0.29	26.8	68	49	96.3

Table F4
Omega Chemical Superfund Site
Sub-Slab Depressurization System
SSD Vapor Treatment System Monitoring Data Summary

Location	Date	Time	Pressure (in H_2O)	Flow (scfm)	Temp (deg F)	RH (%)	VOC Reading (ppm)
Effluent	5/6/2011	1425	2.57	-	-	-	0
	5/20/2011	1015	-	2.5	83	46	0
	5/27/2011	1525	2.54	-	-	-	0
	6/1/2011	1206	2.60	0.6	89	49	0
	6/10/2011	1305	2.54	0.1	77	59	0
	6/17/2011	1340	2.53	2.7	94	45	0
	6/24/2011	1100	2.36	2.3	91	46	0
	7/5/2011	1411	4.67	2.6	107	33	0
	7/13/2011	1256	4.30	3.1	90	63	0
	7/19/2011	1230	2.16	18.5	112	30	0
	7/26/2011	0940	3.12	18.0	89	43	35
	7/28/2011	1927	2.48	18.8	78.4	52	0
	8/2/2011	1005	3.21	21.0	100	45	0.3
	8/10/2011	1420	0.01	20.3	100	41	0
	8/18/2011	1036	0.01	21.8	96	50	0.2
	8/24/2011	1005	0.01	21.4	93	50	0.6
	8/29/2011	1127	-0.05	22.0	101	41	0.2
	9/6/2011	0913	0.00	22.0	88	58	0
	9/13/2011	1150	-0.01	20.0	97	39	2.6
	9/20/2011	1042	0.00	22.0	89	54	9
	9/28/2011	1425	-0.04	21.0	93	50	71
	10/4/2011	1307	-0.01	21.0	81	50	45
	10/11/2011	1035	0.00	21.8	89	48	68
	10/18/2011	1152	0.01	23.0	86	47	0
	10/25/2011	1101	-0.01	22.0	71	66	0
	11/1/2011	1048	-0.01	24.0	77	54	0
	11/8/2011	1150	0.00	23.0	83	32	0
	11/15/2011	1137	-0.01	28.0	82	46	0
	11/22/2011	1249	-0.01	23.0	76	48	0
	11/29/2011	1300	0.00	27.0	95	40	0.3
	12/6/2011	1051	0.00	30.0	72	42	0.3
	12/14/2011	1450	0.00	22.1	67	48	6.1

Notes:

Influent: monitoring location is between knockout tank and Primary Carbon vessel

Midpoint: monitoring location is between primary and secondary carbon vessel

Effluent: monitoirng location is at the stack of the secondary carbon vessel

"-" : not measured or not available.

Attachment G: Laboratory Reports and Data Validation Memo

Data Validation Memos

DATA VALIDATION REPORT

Project: Omega Chemical Superfund Site
Air Monitoring – March 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: Elizabeth Fortuna
CDM Smith - Irvine, California

Date: April 23, 2012

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

Laboratory Report Number: 1203679
1203680
1203685

DATA REVIEW

In total, thirty-five (35) air samples (including three field duplicate) were collected on March 28 and 29, 2012 (listed in Table 1), and shipped via overnight delivery service to Air Toxics. Additionally, three samples were sent to a second laboratory (CalScience) as split samples. 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- FRR1-032812	1203679-01A	Air	3/28/12	4/5/12
IAQ-FRR1-032812-K	1203679-02A	DUP	3/28/12	4/5/12
IAQ- FRR2-032812	1203679-03A	Air	3/28/12	4/5/12
IAQ- FRR3-032812	1203679-04A	Air	3/28/12	4/5/12
IAQ-AA1-032812	1203679-05A	AA	3/28/12	4/5/12
IAQ-AA16-032812	1203679-06A	AA	3/28/12	4/5/12
IAQ-AA22-032812	1203679-07A	AA	3/28/12	4/5/12
IAQ-MR1-032812	1203679-08A	Air	3/28/12	4/5/12
IAQ-WCCS2-032812	1203679-09A	Air	3/28/12	4/5/12
IAQ-WCCS3-032812	1203679-10A	Air	3/28/12	4/5/12
IAQ-WCCS4-032812	1203679-11A	Air	3/28/12	4/5/12
IAQ-WCCS6-032812	1203679-12A	Air	3/28/12	4/5/12
IAQ-WCCS7-032812	1203679-13A	Air	3/28/12	4/5/12
IAQ-WCCS7-032812-K	1203679-14A	DUP	3/28/12	4/5/12
IAQ-TOM1-032812	1203679-15A	Air	3/28/12	4/5/12
IAQ-TP1-032812	1203679-16A	Air	3/28/12	4/5/12
IAQ-TP2-032812	1203679-17A	Air	3/28/12	4/6/12
IAQ-TP3-032812	1203679-18A	Air	3/28/12	4/6/12
IAQ-B1-032812	1203679-19A	Air	3/28/12	4/6/12
IAQ-B1-032812-K	1203679-20A	DUP	3/28/12	4/6/12
IAQ-B2-032812	1203680-01A	Air	3/28/12	4/6/12
IAQ-B3-032812	1203680-02A	Air	3/28/12	4/6/12
IAQ-MS1-032812	1203680-03A	Air	3/28/12	4/6/12
IAQ-MS2-032812	1203680-04A	Air	3/28/12	4/6/12
IAQ-SC1-032812	1203680-05A	Air	3/28/12	4/6/12
IAQ-SC2-032812	1203680-06A	Air	3/28/12	4/7/12
IAQ-SC3-032812	1203680-07A	Air	3/28/12	4/7/12
IAQ-IDCI-032812	1203680-08A	Air	3/28/12	4/7/12
IAQ-IDC2-032812	1203680-09A	Air	3/28/12	4/7/12
IAQ-ROP1-032912	1203685-01A	Air	3/29/12	4/7/12
IAQ-ROP2-032912	1203685-02A	Air	3/29/12	4/7/12
IAQ-ROP3-032912	1203685-03A	Air	3/29/12	4/7/12
IAQ-ROP4-032912	1203685-04A	Air	3/29/12	4/7/12
IAQ-ROP5-032912	1203685-05A	Air	3/29/12	4/7/12
IAQ-AA8-032912	1203685-06A	AA	3/29/12	4/7/12

Notes:

AA = Ambient air sample
DUP = Field duplicate air sample

VOLATILE ORGANIC COMPOUNDS ASSESSMENT – METHOD TO-15 SIM

Thirty-five (35) samples were analyzed for VOCs using TO-15 SIM.

I. TECHNICAL HOLDING TIMES

All technical holding times requirements were met. The air samples were collected on March 28 and 29, 2012 and analyzed within 10 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 April 4, 2012 for SIM analysis, using a minimum of five concentrations ranging from 0.003 to 20 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, except for methylene chloride which has a %RSD of 32.72%. Therefore, the methylene chloride results in all samples are qualified with a "J" flag due to calibration nonconformances. 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 April 5, 6, and 7, 2012. Prior to sample analysis, a 50 ng BFB tuning standard was analyzed. Mass ion abundance criteria were met for the system. The percent difference was below 30 percent for all target analytes, except for o-xylene in the continuing calibration on April 6, 2012, which had a %D of 32%. Therefore, the o-xylene in samples analyzed on April 6, 2012 will be qualified as estimated. The initial calibration was 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, except for o-xylene for the LCS and LCSD samples on April 5, 2012; o-xylene for the LCSD sample on April 6, 2012; the m,p-xylene result in the LCS sample on April 7, 2012; and the o-xylene in the LCS and LCSD samples on April 7, 2012 which were all above the recovery limits for the LCS/LCSD samples. Therefore, the detected results for all o-xylene results and the m,p-xylene result for the samples analyzed on April 7, 2012 are qualified as estimated due to high LCS/LCSD % recoveries. The relative percent differences (RPDs) between detected analyte concentrations in the duplicate pairs were all less than 25 percent.

VII. REGIONAL QUALITY ASSURANCE AND QUALITY CONTROL

Three field duplicate were collected during this sampling event. Sample IAQ-FRR1-032812-K is a duplicate sample of IAQ-FRR1-032812. Sample IAQ-B1-032812-K is a duplicate sample of IAQ-B1-032812. Sample IAQ-WCCS7-032812-K is a duplicate sample of IAQ-WCCS7-032812. Additionally, three split samples were collected during this round from samples IAQ-ROP1-032912, IAQ-TP1-032812 and IAQ-MS1-032812 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 the reporting limit. Bolded results in the tables below indicate results that exceed criteria. As shown on the following tables, the RPDs between the primary and duplicate samples for field duplicates (submitted to AirToxics) were within 20 percent for all

analytes, except for acetone in the IAQ-FRR1-032812 field duplicate pair. Therefore, the acetone results in the IAQ-FRR1-032812 field duplicate pair are qualified as estimated due to field duplicate imprecision.

Compound	IAQ-FRR1-032812 (ug/m3)	IAQ-FRR1-032812-K (ug/m3)	RPD
Freon 12	2.3	2.3	0.00
Freon 11	1.2	1.2	0.00
Freon 113	0.58	0.56	3.51
Chloroform	0.19	0.18	5.41
Carbon Tetrachloride	0.74	0.65	12.95
Benzene	1.4	1.4	0.00
1,2-Dichloroethane	0.19	0.19	0.00
Toluene	5.4	5.2	3.77
Tetrachloroethene	0.87	0.85	2.33
Ethyl Benzene	0.74	0.75	1.34
m,p-Xylene	2.6	2.7	3.77
o-Xylene	0.89	0.94	5.46
1,4-Dichlorobenzene	17	20	16.22
Acetone	**24**	**19**	**23.26**

Compound	IAQ-B1-032812 (ug/m3)	IAQ-B1-032812-K (ug/m3)	RPD	Less than 5X RL	Difference of two results	Criteria using ±RL
Freon 12	2.3	2.3	0.00			
Freon 11	1.2	1.2	0.00			
Freon 113	0.59	0.54	8.85			
Carbon Tetrachloride	0.57	0.72	23.26	Y	0.15	0.22
Benzene	0.94	0.89	5.46			
Toluene	3.0	3.1	3.28			
Tetrachloroethene	0.24 U	0.37	NC			
Ethyl Benzene	0.47	0.47	0.00			
m,p-Xylene	1.5	1.5	0.00			
o-Xylene	0.53	0.67	23.33	Y	0.14	0.15
Acetone	12	13	8.00			

NC = Not Calculated
U = Not detected above reporting limit

Compound	IAQ-WCCS7-032812 (ug/m3)	IAQ-WCCS7-032812 (ug/m3)	RPD
Freon 12	2.5	2.4	4.08
Freon 11	1.3	1.3	0.00
1,1-Dichloroethene	0.084	0.093	10.17
Freon 113	0.57	0.58	1.74
Carbon Tetrachloride	0.70	0.77	9.52

Compound	IAQ-WCCS7-032812 (ug/m3)	IAQ-WCCS7-032812 (ug/m3)	RPD
Benzene	1.2	1.2	0.00
Toluene	3.1	3.1	0.00
Tetrachloroethene	0.36	0.36	0.00
Ethyl Benzene	0.49	0.46	6.32
m,p-Xylene	1.7	1.5	12.50
o-Xylene	0.58	0.68	15.87
Acetone	7.6	8.2	7.59

Three split samples for IAQ-ROP1-032912, IAQ-TP1-032812 and IAQ-MS1-032812 was 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 carbon tetrachloride, ethylbenzene, m,p-xylene, o-xylene and acetone in the IAQ-ROP1-032912 split sample pair. The split sample precision was not met for Freon 12, carbon tetrachloride, benzene, ethylbenzene, m,p-xylene, o-xylene and acetone in the IAQ-TP1-032812 split sample pair. The split sample precision was not met for Freon 12, carbon tetrachloride, benzene, PCE, ethylbenzene, and o-xylene in the IAQ-MS1-032812 split sample pair. Therefore, these results are estimated (flagged with a "J") due to split sample imprecision.

Compound	IAQ-ROP1-032912 (ug/m3)	IAQ-ROP1-032912-K2 (ug/m3)	RPD	Less than 5X RL	Difference of two results	Criteria using ±RL
Dichlorodifluoromethane (Freon 12)	2.4	2.4	0.00			
Freon 11	1.3	1.4	7.41			
Freon 113	0.56	0.62	10.17			
Carbon Tetrachloride	**0.80**	**0.53**	**40.60**	**N**		
Benzene	0.69	0.82	17.22			
Toluene	3.5	3.9	10.81			
Tetrachloroethene	0.35	0.45	25.00	Y	0.10	0.23/0.14
Ethylbenzene	**0.40**	**0.50**	**22.22**	**N**		
m,p-xylene	**1.5**	**1.9**	**23.53**	**N**		
o-xylene	**0.48**	**0.61**	**23.85**	**N**		
Acetone	**75**	**44**	**52.10**	**N**		
Methylene Chloride	5.3	5.8	9.01			
Chloroform	0.16 U	0.14	NC			
Trichloroethene	0.18 U	0.097	NC			
1,2-Dichloroethane	0.14 U	0.11	NC			
1,1-Dichloroethene	0.067 U	0.066	NC			

NC = Not Calculated
U = Not detected above reporting limit

Compound	IAQ-TP1-032812 (ug/m3)	IAQ-TP1-032812-K2 (ug/m3)	RPD	Less than 5X RL	Difference of two results	Criteria using ±RL
Dichlorodifluoromethane (Freon 12)	2.4	2.4	0.00			
Freon 11	1.3	1.4	7.41			
Freon 113	0.56	0.63	11.76			
Chloroform	0.18	0.18	0.00			
Carbon Tetrachloride	**0.77**	**0.56**	**31.58**	**N**		
Benzene	**1.1**	**1.6**	**37.04**	**N**		
Toluene	4.9	5.6	13.33			
Tetrachloroethene	0.30	0.36	18.18			
Ethylbenzene	**0.75**	**1.1**	**37.84**	**N**		
m,p-xylene	**2.6**	**3.8**	**37.50**	**N**		
o-xylene	**0.90**	**1.4**	**43.48**	**N**		
Acetone	**15**	**12**	**22.22**	**N**		
1,4-Dichlorobenzene	0.20 U	0.13	NC			
Trichloroethene	0.18 U	0.094	NC			
1,2-Dichloroethane	0.14 U	0.11	NC			
1,1-Dichloroethene	0.068 U	0.058	NC			

NC = Not Calculated
U = Not detected above reporting limit

Compound	IAQ-MS1-032812 (ug/m3)	IAQ-MS1-032812-K2 (ug/m3)	RPD	Less than 5X RL	Difference of two results	Criteria using ±RL
Dichlorodifluoromethane (Freon 12)	2.5	2.7	7.69			
Freon 11	1.3	1.4	7.41			
Freon 113	0.57	0.64	11.57			
Chloroform	0.22	0.22	0.00			
Carbon Tetrachloride	**0.74**	**0.55**	**29.46**	**N**		
Benzene	**1.3**	**1.7**	**26.67**	**N**		
Toluene	5.0	6.1	19.82			
Tetrachloroethene	**0.21**	**0.35**	**50.00**	**Y**	**0.14**	**0.21/0.14**
Ethylbenzene	**1.3**	**1.8**	**32.26**	**N**		
m,p-xylene	5.0	6.1	19.82			
o-xylene	**1.8**	**2.3**	**24.39**	**N**		
Acetone	360	300	18.18			
Methylene Chloride	32	33	3.08			
1,4-Dichlorobenzene	0.18 U	0.16	NC			
Trichloroethene	0.16 U	0.10	NC			
1,2-Dichloroethane	0.12 U	0.11	NC			
1,1-Dichloroethene	0.060 U	0.044	NC			

NC = Not Calculated
U = Not detected above reporting limit

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 several analytes that were qualified based calibration nonconformance, LCS/LCSD % recoveries, and field duplicate and split sample imprecision, which are discussed below.

The methylene chloride results in all samples and the o-xylene in samples analyzed on April 6, 2012 will be qualified as estimated due to calibration nonconformances.

The detected results for all o-xylene results and the m,p-xylene for the samples analyzed on April 7, 2012 are qualified as estimated due to high LCS/LCSD recovery.

The acetone results in the IAQ-FRR1-032812 field duplicate pair are qualified as estimated due to field duplicate imprecision.

The carbon tetrachloride, ethylbenzene, m,p-xylene, o-xylene and acetone results in the IAQ-ROP1-032912 split sample pair; the Freon 12, carbon tetrachloride, benzene, ethylbenzene, m,p-xylene, o-xylene and acetone results in the IAQ-TP1-032812 split

sample pair and the Freon 12, carbon tetrachloride, benzene, PCE, ethylbenzene, and o-xylene in the IAQ-MS1-032812 split sample pair are qualified as estimated (flagged with a "J") due to split sample imprecision.

DATA VALIDATION REPORT

Project: Omega Chemical Superfund Site
Interim Soil Vapor Extraction (ISVE) System
Vapor Extraction Wells– February 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: Elizabeth Fortuna
CDM Smith - Irvine, California

Date: April 17, 2012

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

Laboratory Report Number: 12-02-1268

DATA REVIEW

Ten (10) soil vapor samples were collected on February 20, 2012, and delivered to AirTech. 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-022012	12-02-1268-1-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 5S-022012	12-02-1268-2-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 6S-022012	12-02-1268-3-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 8S-022012	12-02-1268-4-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 9S-022012	12-02-1268-5-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 10S-022012	12-02-1268-6-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 11S-022012	12-02-1268-7-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 12S-022012	12-02-1268-8-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 14S-022012	12-02-1268-9-A	SG	2/20/12	2/22/12	X
OC-SVE-VE – 15S-022012	12-02-1268-10-A	SG	2/20/12	2/23/12	X

Notes:

SG = Soil gas sample

Several samples were analyzed at a dilution. Dilution factors ranged from 1 to 1000.

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 February 20, 2012 and analyzed on February 22 and 23, 2012, which is within 3 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 was performed on January 16, 2012 for instrument GCMS K and on December 21, 2011 for instrument GCMS K, 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.

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 February 22 and 23, 2012 on instruments GCMS V and GCMS K, respectively. Prior to sample analysis, a 50 ng BFB tuning standard was analyzed. Mass ion abundance criteria were met for the system.

The percent difference was below 30 percent for all target compounds. The initial calibration was 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. 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.

IAQ- Laboratory Data Reports

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4/12/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500-90421-AOC-IAQ
Workorder #: 1203679

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 3/30/2012 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 #: 1203679

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:	03/30/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	04/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-FRR1-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
02A	IAQ-FRR1-032812-K	Modified TO-15 SIM	5.5 "Hg	5 psi
03A	IAQ-FRR2-032812	Modified TO-15 SIM	3.5 "Hg	5 psi
04A	IAQ-FRR3-032812	Modified TO-15 SIM	5.5 "Hg	5 psi
05A	IAQ-AA1-032812	Modified TO-15 SIM	5.5 "Hg	5 psi
06A	IAQ-AA16-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
07A	IAQ-AA22-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
08A	IAQ-MR1-032812	Modified TO-15 SIM	4.5 "Hg	5 psi
09A	IAQ-WCCS2-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
10A	IAQ-WCCS3-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
11A	IAQ-WCCS4-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
12A	IAQ-WCCS6-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
13A	IAQ-WCCS7-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
14A	IAQ-WCCS7-032812-K	Modified TO-15 SIM	7.0 "Hg	5 psi
15A	IAQ-TOM1-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
16A	IAQ-TP1-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
17A	IAQ-TP2-032812	Modified TO-15 SIM	7.0 "Hg	5 psi
18A	IAQ-TP3-032812	Modified TO-15 SIM	4.0 "Hg	5 psi
19A	IAQ-B1-032812	Modified TO-15 SIM	7.0 "Hg	5 psi
20A	IAQ-B1-032812-K	Modified TO-15 SIM	7.0 "Hg	5 psi
21A	Lab Blank	Modified TO-15 SIM	NA	NA
21B	Lab Blank	Modified TO-15 SIM	NA	NA
22A	CCV	Modified TO-15 SIM	NA	NA

Continued on next page

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WORK ORDER #: 1203679

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:	03/30/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	04/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
22B	CCV	Modified TO-15 SIM	NA	NA
23A	LCS	Modified TO-15 SIM	NA	NA
23AA	LCSD	Modified TO-15 SIM	NA	NA
23B	LCS	Modified TO-15 SIM	NA	NA
23BB	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda J. Freeman

DATE: 04/12/12

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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LABORATORY NARRATIVE
Modified TO-15 SIM
CDM Smith Inc.
Workorder# 1203679

Twenty 6 Liter Summa Canister (SIM Certified) samples were received on March 30, 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-FRR1-032812

Lab ID#: 1203679-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.47	0.17	2.3
Freon 11	0.034	0.22	0.19	1.2
Freon 113	0.034	0.076	0.26	0.58
Chloroform	0.034	0.039	0.16	0.19
Carbon Tetrachloride	0.034	0.12	0.21	0.74
Benzene	0.084	0.46	0.27	1.4
1,2-Dichloroethane	0.034	0.047	0.14	0.19
Toluene	0.034	1.4	0.13	5.4
Tetrachloroethene	0.034	0.13	0.23	0.87
Ethyl Benzene	0.034	0.17	0.14	0.74
m,p-Xylene	0.067	0.60	0.29	2.6
o-Xylene	0.034	0.20	0.14	0.89
1,4-Dichlorobenzene	0.034	2.8	0.20	17
Acetone	0.84	10	2.0	24

Client Sample ID: IAQ-FRR1-032812-K

Lab ID#: 1203679-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.46	0.16	2.3
Freon 11	0.033	0.21	0.18	1.2
Freon 113	0.033	0.073	0.25	0.56
Chloroform	0.033	0.037	0.16	0.18
Carbon Tetrachloride	0.033	0.10	0.21	0.65
Benzene	0.082	0.43	0.26	1.4
1,2-Dichloroethane	0.033	0.047	0.13	0.19
Toluene	0.033	1.4	0.12	5.2
Tetrachloroethene	0.033	0.12	0.22	0.85
Ethyl Benzene	0.033	0.17	0.14	0.75
m,p-Xylene	0.066	0.61	0.28	2.7
o-Xylene	0.033	0.22	0.14	0.94
1,4-Dichlorobenzene	0.033	3.3	0.20	20
Acetone	0.82	8.0	1.9	19

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

Client Sample ID: IAQ-FRR2-032812

Lab ID#: 1203679-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.48	0.15	2.4
Freon 11	0.030	0.22	0.17	1.2
1,1-Dichloroethene	0.015	0.019	0.060	0.075
Freon 113	0.030	0.085	0.23	0.65
Chloroform	0.030	0.036	0.15	0.18
Carbon Tetrachloride	0.030	0.11	0.19	0.72
Benzene	0.076	0.41	0.24	1.3
Toluene	0.030	1.6	0.11	6.0
Tetrachloroethene	0.030	0.12	0.21	0.80
Ethyl Benzene	0.030	0.14	0.13	0.62
m,p-Xylene	0.061	0.51	0.26	2.2
o-Xylene	0.030	0.18	0.13	0.77
1,4-Dichlorobenzene	0.030	3.9	0.18	24
Acetone	0.76	6.2	1.8	15

Client Sample ID: IAQ-FRR3-032812

Lab ID#: 1203679-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.49	0.16	2.4
Freon 11	0.033	0.23	0.18	1.3
1,1-Dichloroethene	0.016	0.027	0.065	0.11
Freon 113	0.033	0.094	0.25	0.72
Chloroform	0.033	0.034	0.16	0.17
Carbon Tetrachloride	0.033	0.12	0.21	0.77
Benzene	0.082	0.49	0.26	1.6
Trichloroethene	0.033	0.036	0.18	0.20
Toluene	0.033	1.2	0.12	4.5
Tetrachloroethene	0.033	0.18	0.22	1.2
Ethyl Benzene	0.033	0.16	0.14	0.68
m,p-Xylene	0.066	0.56	0.28	2.4
o-Xylene	0.033	0.19	0.14	0.83
1,4-Dichlorobenzene	0.033	1.3	0.20	7.7

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

Client Sample ID: IAQ-FRR3-032812

Lab ID#: 1203679-04A

Acetone	0.82	5.2	1.9	12

Client Sample ID: IAQ-AA1-032812

Lab ID#: 1203679-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.47	0.16	2.3
Freon 11	0.033	0.22	0.18	1.3
Freon 113	0.033	0.080	0.25	0.62
Chloroform	0.033	0.039	0.16	0.19
Carbon Tetrachloride	0.033	0.12	0.21	0.78
Benzene	0.082	1.1	0.26	3.4
Toluene	0.033	8.4	0.12	32
Ethyl Benzene	0.033	1.2	0.14	5.0
m,p-Xylene	0.066	4.6	0.28	20
o-Xylene	0.033	1.4	0.14	6.2
Acetone	0.82	3.6	1.9	8.5

Client Sample ID: IAQ-AA16-032812

Lab ID#: 1203679-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.025	0.067	0.098
Freon 113	0.034	0.072	0.26	0.55
Carbon Tetrachloride	0.034	0.10	0.21	0.66
Benzene	0.084	0.36	0.27	1.1
Toluene	0.034	0.84	0.13	3.2
Tetrachloroethene	0.034	0.10	0.23	0.71
Ethyl Benzene	0.034	0.12	0.14	0.51
m,p-Xylene	0.067	0.39	0.29	1.7
o-Xylene	0.034	0.16	0.14	0.71
Acetone	0.84	4.3	2.0	10

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

Client Sample ID: IAQ-AA22-032812

Lab ID#: 1203679-07A

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	0.22	0.19	1.2
1,1-Dichloroethene	0.017	0.022	0.067	0.087
Freon 113	0.034	0.072	0.26	0.56
Carbon Tetrachloride	0.034	0.12	0.21	0.75
Benzene	0.084	0.35	0.27	1.1
Toluene	0.034	0.84	0.13	3.2
Tetrachloroethene	0.034	0.047	0.23	0.32
Ethyl Benzene	0.034	0.12	0.14	0.51
m,p-Xylene	0.067	0.40	0.29	1.8
o-Xylene	0.034	0.14	0.14	0.62
Acetone	0.84	3.1	2.0	7.3

Client Sample ID: IAQ-MR1-032812

Lab ID#: 1203679-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.46	0.16	2.3
Freon 11	0.032	0.22	0.18	1.2
Freon 113	0.032	0.074	0.24	0.57
Chloroform	0.032	0.032	0.15	0.16
Carbon Tetrachloride	0.032	0.11	0.20	0.69
Benzene	0.079	0.67	0.25	2.1
Toluene	0.032	2.4	0.12	9.0
Ethyl Benzene	0.032	0.30	0.14	1.3
m,p-Xylene	0.063	1.1	0.27	4.7
o-Xylene	0.032	0.39	0.14	1.7
Acetone	0.79	14	1.9	33

Client Sample ID: IAQ-WCCS2-032812

Lab ID#: 1203679-09A

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

Client Sample ID: IAQ-WCCS2-032812

Lab ID#: 1203679-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.3
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.024	0.067	0.093
Freon 113	0.034	0.085	0.26	0.65
Carbon Tetrachloride	0.034	0.11	0.21	0.69
Benzene	0.084	0.36	0.27	1.2
Toluene	0.034	0.86	0.13	3.2
Tetrachloroethene	0.034	0.065	0.23	0.44
Ethyl Benzene	0.034	0.12	0.14	0.51
m,p-Xylene	0.067	0.41	0.29	1.8
o-Xylene	0.034	0.14	0.14	0.61
Acetone	0.84	3.3	2.0	7.9

Client Sample ID: IAQ-WCCS3-032812

Lab ID#: 1203679-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.54	0.17	2.6
Freon 11	0.034	0.25	0.19	1.4
1,1-Dichloroethene	0.017	0.024	0.067	0.096
Freon 113	0.034	0.083	0.26	0.63
Carbon Tetrachloride	0.034	0.13	0.21	0.81
Benzene	0.084	0.38	0.27	1.2
Toluene	0.034	0.90	0.13	3.4
Tetrachloroethene	0.034	0.071	0.23	0.48
Ethyl Benzene	0.034	0.12	0.14	0.52
m,p-Xylene	0.067	0.40	0.29	1.8
o-Xylene	0.034	0.14	0.14	0.61
Acetone	0.84	3.6	2.0	8.5

Client Sample ID: IAQ-WCCS4-032812

Lab ID#: 1203679-11A

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

Client Sample ID: IAQ-WCCS4-032812

Lab ID#: 1203679-11A

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	0.24	0.19	1.3
1,1-Dichloroethene	0.017	0.024	0.068	0.095
Freon 113	0.034	0.076	0.26	0.58
Carbon Tetrachloride	0.034	0.12	0.22	0.76
Benzene	0.086	0.34	0.27	1.1
Toluene	0.034	0.79	0.13	3.0
Tetrachloroethene	0.034	0.065	0.23	0.44
Ethyl Benzene	0.034	0.10	0.15	0.44
m,p-Xylene	0.068	0.34	0.30	1.5
o-Xylene	0.034	0.12	0.15	0.52
Acetone	0.86	3.6	2.0	8.4

Client Sample ID: IAQ-WCCS6-032812

Lab ID#: 1203679-12A

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	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.021	0.068	0.084
Freon 113	0.034	0.084	0.26	0.64
Carbon Tetrachloride	0.034	0.11	0.22	0.69
Benzene	0.086	0.35	0.27	1.1
Toluene	0.034	0.83	0.13	3.1
Tetrachloroethene	0.034	0.053	0.23	0.36
Ethyl Benzene	0.034	0.11	0.15	0.49
m,p-Xylene	0.068	0.38	0.30	1.6
o-Xylene	0.034	0.13	0.15	0.57
Acetone	0.86	3.7	2.0	8.8

Client Sample ID: IAQ-WCCS7-032812

Lab ID#: 1203679-13A

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

Client Sample ID: IAQ-WCCS7-032812

Lab ID#: 1203679-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.50	0.17	2.5
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.021	0.068	0.084
Freon 113	0.034	0.075	0.26	0.57
Carbon Tetrachloride	0.034	0.11	0.22	0.70
Benzene	0.086	0.38	0.27	1.2
Toluene	0.034	0.83	0.13	3.1
Tetrachloroethene	0.034	0.053	0.23	0.36
Ethyl Benzene	0.034	0.11	0.15	0.49
m,p-Xylene	0.068	0.39	0.30	1.7
o-Xylene	0.034	0.13	0.15	0.58
Acetone	0.86	3.2	2.0	7.6

Client Sample ID: IAQ-WCCS7-032812-K

Lab ID#: 1203679-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.49	0.17	2.4
Freon 11	0.035	0.23	0.20	1.3
1,1-Dichloroethene	0.018	0.023	0.069	0.093
Freon 113	0.035	0.076	0.27	0.58
Carbon Tetrachloride	0.035	0.12	0.22	0.77
Benzene	0.088	0.38	0.28	1.2
Toluene	0.035	0.82	0.13	3.1
Tetrachloroethene	0.035	0.052	0.24	0.36
Ethyl Benzene	0.035	0.11	0.15	0.46
m,p-Xylene	0.070	0.35	0.30	1.5
o-Xylene	0.035	0.16	0.15	0.68
Acetone	0.88	3.4	2.1	8.2

Client Sample ID: IAQ-TOM1-032812

Lab ID#: 1203679-15A

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

Client Sample ID: IAQ-TOM1-032812

Lab ID#: 1203679-15A

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	0.37	0.19	2.1
Freon 113	0.034	0.072	0.26	0.55
Chloroform	0.034	0.29	0.17	1.4
Carbon Tetrachloride	0.034	0.12	0.22	0.75
Benzene	0.086	0.40	0.27	1.3
1,2-Dichloroethane	0.034	0.046	0.14	0.18
Toluene	0.034	1.8	0.13	7.0
Tetrachloroethene	0.034	0.034	0.23	0.23
Ethyl Benzene	0.034	0.20	0.15	0.85
m,p-Xylene	0.068	0.72	0.30	3.1
o-Xylene	0.034	0.29	0.15	1.3
Acetone	0.86	48 E	2.0	110 E
Methylene Chloride	0.34	0.50	1.2	1.7

Client Sample ID: IAQ-TP1-032812

Lab ID#: 1203679-16A

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	0.23	0.19	1.3
Freon 113	0.034	0.073	0.26	0.56
Chloroform	0.034	0.036	0.17	0.18
Carbon Tetrachloride	0.034	0.12	0.22	0.77
Benzene	0.086	0.36	0.27	1.1
Toluene	0.034	1.3	0.13	4.9
Tetrachloroethene	0.034	0.045	0.23	0.30
Ethyl Benzene	0.034	0.17	0.15	0.75
m,p-Xylene	0.068	0.59	0.30	2.6
o-Xylene	0.034	0.21	0.15	0.90
Acetone	0.86	6.4	2.0	15

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

Client Sample ID: IAQ-TP2-032812

Lab ID#: 1203679-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.50	0.17	2.5
Freon 11	0.035	0.24	0.20	1.3
Freon 113	0.035	0.076	0.27	0.58
Carbon Tetrachloride	0.035	0.12	0.22	0.77
Benzene	0.088	0.32	0.28	1.0
Toluene	0.035	0.89	0.13	3.3
Tetrachloroethene	0.035	0.035	0.24	0.24
Ethyl Benzene	0.035	0.13	0.15	0.55
m,p-Xylene	0.070	0.41	0.30	1.8
o-Xylene	0.035	0.14	0.15	0.63
Acetone	0.88	4.4	2.1	10

Client Sample ID: IAQ-TP3-032812

Lab ID#: 1203679-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.49	0.15	2.4
Freon 11	0.031	0.24	0.17	1.3
Freon 113	0.031	0.083	0.24	0.63
Chloroform	0.031	0.034	0.15	0.17
Carbon Tetrachloride	0.031	0.12	0.20	0.74
Benzene	0.078	0.98	0.25	3.1
1,2-Dichloroethane	0.031	0.033	0.12	0.14
Toluene	0.031	14	0.12	52
Tetrachloroethene	0.031	0.056	0.21	0.38
Ethyl Benzene	0.031	2.4	0.13	10
m,p-Xylene	0.062	11	0.27	47
o-Xylene	0.031	3.4	0.13	15
Acetone	0.78	14	1.8	33
Methylene Chloride	0.31	0.32	1.1	1.1

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

Client Sample ID: IAQ-B1-032812

Lab ID#: 1203679-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.47	0.17	2.3
Freon 11	0.035	0.21	0.20	1.2
Freon 113	0.035	0.078	0.27	0.59
Carbon Tetrachloride	0.035	0.091	0.22	0.57
Benzene	0.088	0.30	0.28	0.94
Toluene	0.035	0.80	0.13	3.0
Ethyl Benzene	0.035	0.11	0.15	0.47
m,p-Xylene	0.070	0.35	0.30	1.5
o-Xylene	0.035	0.12 J	0.15	0.53 J
Acetone	0.88	4.9	2.1	12

Client Sample ID: IAQ-B1-032812-K

Lab ID#: 1203679-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.47	0.17	2.3
Freon 11	0.035	0.22	0.20	1.2
Freon 113	0.035	0.070	0.27	0.54
Carbon Tetrachloride	0.035	0.11	0.22	0.72
Benzene	0.088	0.28	0.28	0.89
Toluene	0.035	0.82	0.13	3.1
Tetrachloroethene	0.035	0.054	0.24	0.37
Ethyl Benzene	0.035	0.11	0.15	0.47
m,p-Xylene	0.070	0.36	0.30	1.5
o-Xylene	0.035	0.16 J	0.15	0.67 J
Acetone	0.88	5.4	2.1	13

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Client Sample ID: IAQ-FRR1-032812

Lab ID#: 1203679-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040508**	**Date of Collection:**	**3/28/12 6:35:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/5/12 01:10 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.47	0.17	2.3
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.22	0.19	1.2
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
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	0.039	0.16	0.19
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.12	0.21	0.74
Benzene	0.084	0.46	0.27	1.4
1,2-Dichloroethane	0.034	0.047	0.14	0.19
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.15	Not Detected
Toluene	0.034	1.4	0.13	5.4
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.13	0.23	0.87
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.17	0.14	0.74
m,p-Xylene	0.067	0.60	0.29	2.6
o-Xylene	0.034	0.20	0.14	0.89
1,4-Dichlorobenzene	0.034	2.8	0.20	17
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	24
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	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-FRR1-032812-K

Lab ID#: 1203679-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040509**	**Date of Collection:**	**3/28/12 6:32:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**4/5/12 01:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.46	0.16	2.3
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
Freon 11	0.033	0.21	0.18	1.2
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
Freon 113	0.033	0.073	0.25	0.56
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	0.10	0.21	0.65
Benzene	0.082	0.43	0.26	1.4
1,2-Dichloroethane	0.033	0.047	0.13	0.19
Trichloroethene	0.033	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	1.4	0.12	5.2
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.12	0.22	0.85
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.17	0.14	0.75
m,p-Xylene	0.066	0.61	0.28	2.7
o-Xylene	0.033	0.22	0.14	0.94
1,4-Dichlorobenzene	0.033	3.3	0.20	20
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Acetone	0.82	8.0	1.9	19
Methylene Chloride	0.33	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-FRR2-032812

Lab ID#: 1203679-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040510**	**Date of Collection:**	**3/28/12 6:39:00 AM**
Dil. Factor:	**1.52**	**Date of Analysis:**	**4/5/12 02:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.48	0.15	2.4
Vinyl Chloride	0.015	Not Detected	0.039	Not Detected
Freon 11	0.030	0.22	0.17	1.2
1,1-Dichloroethene	0.015	0.019	0.060	0.075
Freon 113	0.030	0.085	0.23	0.65
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	0.036	0.15	0.18
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.11	0.19	0.72
Benzene	0.076	0.41	0.24	1.3
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	Not Detected	0.16	Not Detected
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	1.6	0.11	6.0
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	0.12	0.21	0.80
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.14	0.13	0.62
m,p-Xylene	0.061	0.51	0.26	2.2
o-Xylene	0.030	0.18	0.13	0.77
1,4-Dichlorobenzene	0.030	3.9	0.18	24
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Acetone	0.76	6.2	1.8	15
Methylene Chloride	0.30	Not Detected	1.0	Not Detected
Methyl tert-butyl ether	0.15	Not Detected	0.55	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.21	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	101	70-130

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Client Sample ID: IAQ-FRR3-032812

Lab ID#: 1203679-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040511**	**Date of Collection:**	**3/28/12 6:42:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**4/5/12 03:29 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.49	0.16	2.4
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
Freon 11	0.033	0.23	0.18	1.3
1,1-Dichloroethene	0.016	0.027	0.065	0.11
Freon 113	0.033	0.094	0.25	0.72
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	0.034	0.16	0.17
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.12	0.21	0.77
Benzene	0.082	0.49	0.26	1.6
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	0.036	0.18	0.20
trans-1,3-Dichloropropene	0.033	Not Detected	0.15	Not Detected
Toluene	0.033	1.2	0.12	4.5
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.18	0.22	1.2
Chlorobenzene	0.033	Not Detected	0.15	Not Detected
Ethyl Benzene	0.033	0.16	0.14	0.68
m,p-Xylene	0.066	0.56	0.28	2.4
o-Xylene	0.033	0.19	0.14	0.83
1,4-Dichlorobenzene	0.033	1.3	0.20	7.7
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Acetone	0.82	5.2	1.9	12
Methylene Chloride	0.33	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-AA1-032812

Lab ID#: 1203679-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040512**	**Date of Collection:**	**3/28/12 7:12:00 AM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**4/5/12 04:25 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.033	0.47	0.16	2.3
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
Freon 11	0.033	0.22	0.18	1.3
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
Freon 113	0.033	0.080	0.25	0.62
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	0.039	0.16	0.19
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.12	0.21	0.78
Benzene	0.082	1.1	0.26	3.4
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	8.4	0.12	32
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	1.2	0.14	5.0
m,p-Xylene	0.066	4.6	0.28	20
o-Xylene	0.033	1.4	0.14	6.2
1,4-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
1,2-Dichlorobenzene	0.033	Not Detected	0.20	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Acetone	0.82	3.6	1.9	8.5
Methylene Chloride	0.33	Not Detected	1.1	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-AA16-032812

Lab ID#: 1203679-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040513**	**Date of Collection:**	**3/28/12 6:53:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/5/12 05:17 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.025	0.067	0.098
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	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.10	0.21	0.66
Benzene	0.084	0.36	0.27	1.1
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	0.84	0.13	3.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.10	0.23	0.71
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.12	0.14	0.51
m,p-Xylene	0.067	0.39	0.29	1.7
o-Xylene	0.034	0.16	0.14	0.71
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	4.3	2.0	10
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	106	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-AA22-032812

Lab ID#: 1203679-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040514**	**Date of Collection:**	**3/28/12 6:52:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/5/12 05:51 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	0.22	0.19	1.2
1,1-Dichloroethene	0.017	0.022	0.067	0.087
Freon 113	0.034	0.072	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	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.12	0.21	0.75
Benzene	0.084	0.35	0.27	1.1
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	0.84	0.13	3.2
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.047	0.23	0.32
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.12	0.14	0.51
m,p-Xylene	0.067	0.40	0.29	1.8
o-Xylene	0.034	0.14	0.14	0.62
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	3.1	2.0	7.3
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	102	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: IAQ-MR1-032812

Lab ID#: 1203679-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040515**	**Date of Collection:**	**3/28/12 7:15:00 AM**
Dil. Factor:	**1.58**	**Date of Analysis:**	**4/5/12 06:26 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.46	0.16	2.3
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.032	0.22	0.18	1.2
1,1-Dichloroethene	0.016	Not Detected	0.063	Not Detected
Freon 113	0.032	0.074	0.24	0.57
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	0.032	0.15	0.16
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.032	0.11	0.20	0.69
Benzene	0.079	0.67	0.25	2.1
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	2.4	0.12	9.0
1,1,2-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	Not Detected	0.21	Not Detected
Chlorobenzene	0.032	Not Detected	0.14	Not Detected
Ethyl Benzene	0.032	0.30	0.14	1.3
m,p-Xylene	0.063	1.1	0.27	4.7
o-Xylene	0.032	0.39	0.14	1.7
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	14	1.9	33
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

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IAQ-WCCS2-032812

Lab ID#: 1203679-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040516**	**Date of Collection:**	**3/28/12 7:28:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/5/12 07:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.3
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.024	0.067	0.093
Freon 113	0.034	0.085	0.26	0.65
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	0.11	0.21	0.69
Benzene	0.084	0.36	0.27	1.2
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	0.065	0.23	0.44
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.12	0.14	0.51
m,p-Xylene	0.067	0.41	0.29	1.8
o-Xylene	0.034	0.14	0.14	0.61
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	3.3	2.0	7.9
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	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-WCCS3-032812

Lab ID#: 1203679-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040517**	**Date of Collection:**	**3/28/12 7:30:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/5/12 07:51 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.54	0.17	2.6
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.25	0.19	1.4
1,1-Dichloroethene	0.017	0.024	0.067	0.096
Freon 113	0.034	0.083	0.26	0.63
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	0.13	0.21	0.81
Benzene	0.084	0.38	0.27	1.2
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	0.90	0.13	3.4
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.071	0.23	0.48
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.12	0.14	0.52
m,p-Xylene	0.067	0.40	0.29	1.8
o-Xylene	0.034	0.14	0.14	0.61
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	3.6	2.0	8.5
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	108	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS4-032812

Lab ID#: 1203679-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040518**	**Date of Collection:**	**3/28/12 7:33:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/5/12 08:30 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	0.044	Not Detected
Freon 11	0.034	0.24	0.19	1.3
1,1-Dichloroethene	0.017	0.024	0.068	0.095
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	0.12	0.22	0.76
Benzene	0.086	0.34	0.27	1.1
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	0.79	0.13	3.0
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.065	0.23	0.44
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.10	0.15	0.44
m,p-Xylene	0.068	0.34	0.30	1.5
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
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	3.6	2.0	8.4
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	108	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-WCCS6-032812

Lab ID#: 1203679-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040519**	**Date of Collection:**	**3/28/12 7:39:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/5/12 09:11 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	0.044	Not Detected
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.021	0.068	0.084
Freon 113	0.034	0.084	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	0.11	0.22	0.69
Benzene	0.086	0.35	0.27	1.1
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	0.83	0.13	3.1
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.053	0.23	0.36
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.11	0.15	0.49
m,p-Xylene	0.068	0.38	0.30	1.6
o-Xylene	0.034	0.13	0.15	0.57
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	3.7	2.0	8.8
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	107	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-WCCS7-032812

Lab ID#: 1203679-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040520**	**Date of Collection:**	**3/28/12 7:36:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/5/12 09:51 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.50	0.17	2.5
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	0.021	0.068	0.084
Freon 113	0.034	0.075	0.26	0.57
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	0.11	0.22	0.70
Benzene	0.086	0.38	0.27	1.2
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	0.83	0.13	3.1
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.053	0.23	0.36
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.11	0.15	0.49
m,p-Xylene	0.068	0.39	0.30	1.7
o-Xylene	0.034	0.13	0.15	0.58
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	3.2	2.0	7.6
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	97	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: IAQ-WCCS7-032812-K

Lab ID#: 1203679-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040521**	**Date of Collection:**	**3/28/12 7:37:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**4/5/12 10:25 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.49	0.17	2.4
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.23	0.20	1.3
1,1-Dichloroethene	0.018	0.023	0.069	0.093
Freon 113	0.035	0.076	0.27	0.58
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	0.12	0.22	0.77
Benzene	0.088	0.38	0.28	1.2
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	0.82	0.13	3.1
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.052	0.24	0.36
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.11	0.15	0.46
m,p-Xylene	0.070	0.35	0.30	1.5
o-Xylene	0.035	0.16	0.15	0.68
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	3.4	2.1	8.2
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	108	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-TOM1-032812

Lab ID#: 1203679-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040522**	**Date of Collection:**	**3/28/12 7:48:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/5/12 11:08 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	0.37	0.19	2.1
1,1-Dichloroethene	0.017	Not Detected	0.068	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	0.14	Not Detected
Chloroform	0.034	0.29	0.17	1.4
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.12	0.22	0.75
Benzene	0.086	0.40	0.27	1.3
1,2-Dichloroethane	0.034	0.046	0.14	0.18
Trichloroethene	0.034	Not Detected	0.18	Not Detected
trans-1,3-Dichloropropene	0.034	Not Detected	0.16	Not Detected
Toluene	0.034	1.8	0.13	7.0
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.034	0.23	0.23
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.20	0.15	0.85
m,p-Xylene	0.068	0.72	0.30	3.1
o-Xylene	0.034	0.29	0.15	1.3
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	48 E	2.0	110 E
Methylene Chloride	0.34	0.50	1.2	1.7
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

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: IAQ-TP1-032812

Lab ID#: 1203679-16A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040523**	**Date of Collection:**	**3/28/12 8:09:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/5/12 11:42 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	0.044	Not Detected
Freon 11	0.034	0.23	0.19	1.3
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	0.036	0.17	0.18
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.034	0.12	0.22	0.77
Benzene	0.086	0.36	0.27	1.1
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	1.3	0.13	4.9
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.045	0.23	0.30
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.17	0.15	0.75
m,p-Xylene	0.068	0.59	0.30	2.6
o-Xylene	0.034	0.21	0.15	0.90
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	108	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: IAQ-TP2-032812

Lab ID#: 1203679-17A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040524**	**Date of Collection:**	**3/28/12 8:13:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**4/6/12 12:16 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.50	0.17	2.5
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.24	0.20	1.3
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.076	0.27	0.58
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	0.12	0.22	0.77
Benzene	0.088	0.32	0.28	1.0
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	0.89	0.13	3.3
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.035	0.24	0.24
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.13	0.15	0.55
m,p-Xylene	0.070	0.41	0.30	1.8
o-Xylene	0.035	0.14	0.15	0.63
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	4.4	2.1	10
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	108	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-TP3-032812

Lab ID#: 1203679-18A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040525**	**Date of Collection:**	**3/28/12 8:12:00 AM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**4/6/12 08:03 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.49	0.15	2.4
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.031	0.24	0.17	1.3
1,1-Dichloroethene	0.016	Not Detected	0.061	Not Detected
Freon 113	0.031	0.083	0.24	0.63
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	0.034	0.15	0.17
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.031	0.12	0.20	0.74
Benzene	0.078	0.98	0.25	3.1
1,2-Dichloroethane	0.031	0.033	0.12	0.14
Trichloroethene	0.031	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.031	Not Detected	0.14	Not Detected
Toluene	0.031	14	0.12	52
1,1,2-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Tetrachloroethene	0.031	0.056	0.21	0.38
Chlorobenzene	0.031	Not Detected	0.14	Not Detected
Ethyl Benzene	0.031	2.4	0.13	10
m,p-Xylene	0.062	11	0.27	47
o-Xylene	0.031	3.4	0.13	15
1,4-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Acetone	0.78	14	1.8	33
Methylene Chloride	0.31	0.32	1.1	1.1
Methyl tert-butyl ether	0.16	Not Detected	0.56	Not Detected
1,1,2,2-Tetrachloroethane	0.031	Not Detected	0.21	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: IAQ-B1-032812

Lab ID#: 1203679-19A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040607**	**Date of Collection:**	**3/28/12 8:21:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**4/6/12 12:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.47	0.17	2.3
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.21	0.20	1.2
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.078	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	0.091	0.22	0.57
Benzene	0.088	0.30	0.28	0.94
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	0.80	0.13	3.0
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	0.11	0.15	0.47
m,p-Xylene	0.070	0.35	0.30	1.5
o-Xylene	0.035	0.12 J	0.15	0.53 J
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	4.9	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

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	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-B1-032812-K

Lab ID#: 1203679-20A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040608**	**Date of Collection:**	**3/28/12 8:22:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**4/6/12 01:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.47	0.17	2.3
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.22	0.20	1.2
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	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Carbon Tetrachloride	0.035	0.11	0.22	0.72
Benzene	0.088	0.28	0.28	0.89
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	0.82	0.13	3.1
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.054	0.24	0.37
Chlorobenzene	0.035	Not Detected	0.16	Not Detected
Ethyl Benzene	0.035	0.11	0.15	0.47
m,p-Xylene	0.070	0.36	0.30	1.5
o-Xylene	0.035	0.16 J	0.15	0.67 J
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	5.4	2.1	13
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

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	107	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1203679-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040507**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/5/12 12:14 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
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	93	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1203679-21B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040606a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 11:22 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
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	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: CCV

Lab ID#: 1203679-22A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040503**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/5/12 09:46 AM**	

Compound	**%Recovery**
Freon 12	90
Vinyl Chloride	96
Freon 11	89
1,1-Dichloroethene	102
Freon 113	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	107
Chloroform	94
1,1,1-Trichloroethane	94
Carbon Tetrachloride	92
Benzene	82
1,2-Dichloroethane	73
Trichloroethene	86
trans-1,3-Dichloropropene	109
Toluene	96
1,1,2-Trichloroethane	92
Tetrachloroethene	90
Chlorobenzene	91
Ethyl Benzene	113
m,p-Xylene	121
o-Xylene	126
1,4-Dichlorobenzene	102
1,2-Dichlorobenzene	107
trans-1,2-Dichloroethene	104
Acetone	102
Methylene Chloride	79
Methyl tert-butyl ether	104
1,1,2,2-Tetrachloroethane	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	110	70-130

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Client Sample ID: CCV

Lab ID#: 1203679-22B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 08:58 AM**	

Compound	**%Recovery**
Freon 12	91
Vinyl Chloride	95
Freon 11	91
1,1-Dichloroethene	102
Freon 113	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	105
Chloroform	95
1,1,1-Trichloroethane	96
Carbon Tetrachloride	91
Benzene	82
1,2-Dichloroethane	77
Trichloroethene	86
trans-1,3-Dichloropropene	109
Toluene	97
1,1,2-Trichloroethane	92
Tetrachloroethene	91
Chlorobenzene	92
Ethyl Benzene	115
m,p-Xylene	127
o-Xylene	132 Q
1,4-Dichlorobenzene	111
1,2-Dichlorobenzene	119
trans-1,2-Dichloroethene	103
Acetone	102
Methylene Chloride	78
Methyl tert-butyl ether	102
1,1,2,2-Tetrachloroethane	94

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: LCS

Lab ID#: 1203679-23A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/5/12 10:27 AM**	

Compound	**%Recovery**
Freon 12	97
Vinyl Chloride	106
Freon 11	97
1,1-Dichloroethene	119
Freon 113	102
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	117
Chloroform	103
1,1,1-Trichloroethane	104
Carbon Tetrachloride	80
Benzene	90
1,2-Dichloroethane	80
Trichloroethene	96
trans-1,3-Dichloropropene	122
Toluene	104
1,1,2-Trichloroethane	103
Tetrachloroethene	99
Chlorobenzene	101
Ethyl Benzene	122
m,p-Xylene	130
o-Xylene	134 Q
1,4-Dichlorobenzene	104
1,2-Dichlorobenzene	111
trans-1,2-Dichloroethene	127
Acetone	110
Methylene Chloride	86
Methyl tert-butyl ether	113
1,1,2,2-Tetrachloroethane	105

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: LCSD

Lab ID#: 1203679-23AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/5/12 11:06 AM**	

Compound	**%Recovery**
Freon 12	98
Vinyl Chloride	108
Freon 11	98
1,1-Dichloroethene	120
Freon 113	103
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	118
Chloroform	104
1,1,1-Trichloroethane	104
Carbon Tetrachloride	81
Benzene	91
1,2-Dichloroethane	80
Trichloroethene	96
trans-1,3-Dichloropropene	122
Toluene	104
1,1,2-Trichloroethane	103
Tetrachloroethene	99
Chlorobenzene	102
Ethyl Benzene	122
m,p-Xylene	130
o-Xylene	136 Q
1,4-Dichlorobenzene	112
1,2-Dichlorobenzene	123
trans-1,2-Dichloroethene	129
Acetone	112
Methylene Chloride	87
Methyl tert-butyl ether	114
1,1,2,2-Tetrachloroethane	108

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	108	70-130

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Client Sample ID: LCS

Lab ID#: 1203679-23B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 09:41 AM**	

Compound	**%Recovery**
Freon 12	95
Vinyl Chloride	101
Freon 11	94
1,1-Dichloroethene	113
Freon 113	97
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	110
Chloroform	99
1,1,1-Trichloroethane	101
Carbon Tetrachloride	76
Benzene	86
1,2-Dichloroethane	80
Trichloroethene	91
trans-1,3-Dichloropropene	115
Toluene	99
1,1,2-Trichloroethane	97
Tetrachloroethene	94
Chlorobenzene	96
Ethyl Benzene	115
m,p-Xylene	124
o-Xylene	126
1,4-Dichlorobenzene	103
1,2-Dichlorobenzene	110
trans-1,2-Dichloroethene	120
Acetone	107
Methylene Chloride	81
Methyl tert-butyl ether	105
1,1,2,2-Tetrachloroethane	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	109	70-130

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Client Sample ID: LCSD

Lab ID#: 1203679-23BB

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 10:15 AM**	

Compound	**%Recovery**
Freon 12	96
Vinyl Chloride	104
Freon 11	96
1,1-Dichloroethene	116
Freon 113	99
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	112
Chloroform	102
1,1,1-Trichloroethane	103
Carbon Tetrachloride	77
Benzene	88
1,2-Dichloroethane	81
Trichloroethene	93
trans-1,3-Dichloropropene	117
Toluene	101
1,1,2-Trichloroethane	99
Tetrachloroethene	96
Chlorobenzene	98
Ethyl Benzene	119
m,p-Xylene	129
o-Xylene	132 Q
1,4-Dichlorobenzene	116
1,2-Dichlorobenzene	129
trans-1,2-Dichloroethene	123
Acetone	108
Methylene Chloride	83
Methyl tert-butyl ether	108
1,1,2,2-Tetrachloroethane	106

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	112	70-130

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4/12/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 10500-90421.AOC.IAQ
Workorder #: 1203680

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 3/30/2012 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 #: 1203680

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:	03/30/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	04/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-B2-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
02A	IAQ-B3-032812	Modified TO-15 SIM	7.0 "Hg	5 psi
03A	IAQ-MS1-032812	Modified TO-15 SIM	3.5 "Hg	5 psi
04A	IAQ-MS2-032812	Modified TO-15 SIM	5.0 "Hg	5 psi
05A	IAQ-SC1-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
06A	IAQ-SC2-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
07A	IAQ-SC3-032812	Modified TO-15 SIM	6.5 "Hg	5 psi
08A	IAQ-IDCI1-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
09A	IAQ-IDCI2-032812	Modified TO-15 SIM	6.0 "Hg	5 psi
10A	Lab Blank	Modified TO-15 SIM	NA	NA
10B	Lab Blank	Modified TO-15 SIM	NA	NA
11A	CCV	Modified TO-15 SIM	NA	NA
11B	CCV	Modified TO-15 SIM	NA	NA
12A	LCS	Modified TO-15 SIM	NA	NA
12AA	LCSD	Modified TO-15 SIM	NA	NA
12B	LCS	Modified TO-15 SIM	NA	NA
12BB	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda J. Freeman

Laboratory Director

DATE: 04/12/12

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 SIM
CDM Smith Inc.
Workorder# 1203680

Nine 6 Liter Summa Canister (SIM Certified) samples were received on March 30, 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-B2-032812

Lab ID#: 1203680-01A

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	0.073	0.26	0.56
Carbon Tetrachloride	0.034	0.11	0.22	0.68
Benzene	0.086	0.40	0.27	1.3
Toluene	0.034	1.6	0.13	6.1
Tetrachloroethene	0.034	0.050	0.23	0.34
Ethyl Benzene	0.034	0.25	0.15	1.1
m,p-Xylene	0.068	0.86	0.30	3.7
o-Xylene	0.034	0.27 J	0.15	1.2 J
Acetone	0.86	4.9	2.0	12
Methylene Chloride	0.34	0.50	1.2	1.7

Client Sample ID: IAQ-B3-032812

Lab ID#: 1203680-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.49	0.17	2.4
Freon 11	0.035	0.23	0.20	1.3
Freon 113	0.035	0.072	0.27	0.55
Carbon Tetrachloride	0.035	0.11	0.22	0.69
Benzene	0.088	0.28	0.28	0.90
Toluene	0.035	0.90	0.13	3.4
Ethyl Benzene	0.035	0.11	0.15	0.46
m,p-Xylene	0.070	0.33	0.30	1.4
o-Xylene	0.035	0.12 J	0.15	0.51 J
Acetone	0.88	4.4	2.1	10

Client Sample ID: IAQ-MS1-032812

Lab ID#: 1203680-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.51	0.15	2.5

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

Client Sample ID: IAQ-MS1-032812

Lab ID#: 1203680-03A

Freon 11	0.030	0.23	0.17	1.3
Freon 113	0.030	0.074	0.23	0.57
Chloroform	0.030	0.045	0.15	0.22
Carbon Tetrachloride	0.030	0.12	0.19	0.74
Benzene	0.076	0.40	0.24	1.3
Toluene	0.030	1.3	0.11	5.0
Tetrachloroethene	0.030	0.031	0.21	0.21
Ethyl Benzene	0.030	0.29	0.13	1.3
m,p-Xylene	0.061	1.2	0.26	5.0
o-Xylene	0.030	0.42 J	0.13	1.8 J
Acetone	0.76	150 E	1.8	360 E
Methylene Chloride	0.30	9.2	1.0	32

Client Sample ID: IAQ-MS2-032812

Lab ID#: 1203680-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.49	0.16	2.4
Freon 11	0.032	0.22	0.18	1.2
Freon 113	0.032	0.073	0.25	0.56
Carbon Tetrachloride	0.032	0.11	0.20	0.71
Benzene	0.080	0.27	0.26	0.88
Toluene	0.032	0.91	0.12	3.4
Ethyl Benzene	0.032	0.28	0.14	1.2
m,p-Xylene	0.064	1.1	0.28	4.9
o-Xylene	0.032	0.37 J	0.14	1.6 J
Acetone	0.80	58 E	1.9	140 E
Methylene Chloride	0.32	23	1.1	80

Client Sample ID: IAQ-SC1-032812

Lab ID#: 1203680-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4

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

Client Sample ID: IAQ-SC1-032812

Lab ID#: 1203680-05A

Freon 11	0.034	0.21	0.19	1.2
Freon 113	0.034	0.075	0.26	0.57
Carbon Tetrachloride	0.034	0.11	0.21	0.68
Benzene	0.084	0.61	0.27	2.0
Toluene	0.034	4.6	0.13	17
Ethyl Benzene	0.034	1.6	0.14	6.9
m,p-Xylene	0.067	7.8	0.29	34
o-Xylene	0.034	2.5 J	0.14	11 J
Acetone	0.84	410 E	2.0	980 E
Methylene Chloride	0.34	1.0	1.2	3.4

Client Sample ID: IAQ-SC2-032812

Lab ID#: 1203680-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.11	0.47	0.53	2.3
Freon 11	0.11	0.21	0.60	1.2
Carbon Tetrachloride	0.11	0.10 J	0.67	0.66 J
Benzene	0.27	0.74	0.85	2.4
Toluene	0.11	12	0.40	46
Chlorobenzene	0.11	0.16	0.49	0.73
Ethyl Benzene	0.11	17	0.46	74
m,p-Xylene	0.21	89	0.93	380
o-Xylene	0.11	33	0.46	140
Acetone	2.7	1700 E	6.3	4000 E
Methylene Chloride	1.1	1.4	3.7	5.0

Client Sample ID: IAQ-SC3-032812

Lab ID#: 1203680-07A

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	0.22	0.19	1.2
Freon 113	0.034	0.073	0.26	0.56

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

Client Sample ID: IAQ-SC3-032812

Lab ID#: 1203680-07A

Carbon Tetrachloride	0.034	0.098	0.22	0.62
Benzene	0.086	0.43	0.27	1.4
Toluene	0.034	2.7	0.13	10
Ethyl Benzene	0.034	1.1	0.15	4.7
m,p-Xylene	0.068	5.2	0.30	23
o-Xylene	0.034	1.7	0.15	7.6
Acetone	0.86	200 E	2.0	480 E
Methylene Chloride	0.34	0.63	1.2	2.2

Client Sample ID: IAQ-IDCI1-032812

Lab ID#: 1203680-08A

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	0.22	0.19	1.3
Freon 113	0.034	0.081	0.26	0.62
Carbon Tetrachloride	0.034	0.10	0.21	0.64
Benzene	0.084	0.30	0.27	0.95
Toluene	0.034	1.0	0.13	3.9
Ethyl Benzene	0.034	0.46	0.14	2.0
m,p-Xylene	0.067	1.1	0.29	4.9
o-Xylene	0.034	0.46	0.14	2.0
Acetone	0.84	38 E	2.0	92 E

Client Sample ID: IAQ-IDCI2-032812

Lab ID#: 1203680-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4
Freon 11	0.034	0.23	0.19	1.3
Freon 113	0.034	0.12	0.26	0.89
Carbon Tetrachloride	0.034	0.12	0.21	0.78
Benzene	0.084	0.27	0.27	0.85
Toluene	0.034	0.73	0.13	2.7

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

Client Sample ID: IAQ-IDCI2-032812

Lab ID#: 1203680-09A

Tetrachloroethene	0.034	0.033 J	0.23	0.22 J
Ethyl Benzene	0.034	0.10	0.14	0.43
m,p-Xylene	0.067	0.24	0.29	1.0
o-Xylene	0.034	0.087	0.14	0.38
Acetone	0.84	10	2.0	25

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Client Sample ID: IAQ-B2-032812

Lab ID#: 1203680-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040616**	**Date of Collection:**	**3/28/12 8:23:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/6/12 06:47 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	0.073	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	0.11	0.22	0.68
Benzene	0.086	0.40	0.27	1.3
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	1.6	0.13	6.1
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	0.25	0.15	1.1
m,p-Xylene	0.068	0.86	0.30	3.7
o-Xylene	0.034	0.27 J	0.15	1.2 J
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	4.9	2.0	12
Methylene Chloride	0.34	0.50	1.2	1.7
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	103	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-B3-032812

Lab ID#: 1203680-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040617**	**Date of Collection:**	**3/28/12 8:25:00 AM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**4/6/12 07:25 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.035	0.49	0.17	2.4
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
Freon 11	0.035	0.23	0.20	1.3
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
Freon 113	0.035	0.072	0.27	0.55
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	0.11	0.22	0.69
Benzene	0.088	0.28	0.28	0.90
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	0.90	0.13	3.4
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	0.11	0.15	0.46
m,p-Xylene	0.070	0.33	0.30	1.4
o-Xylene	0.035	0.12 J	0.15	0.51 J
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	4.4	2.1	10
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

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	110	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-MS1-032812

Lab ID#: 1203680-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040618**	**Date of Collection:**	**3/28/12 8:41:00 AM**
Dil. Factor:	**1.52**	**Date of Analysis:**	**4/6/12 08:04 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.030	0.51	0.15	2.5
Vinyl Chloride	0.015	Not Detected	0.039	Not Detected
Freon 11	0.030	0.23	0.17	1.3
1,1-Dichloroethene	0.015	Not Detected	0.060	Not Detected
Freon 113	0.030	0.074	0.23	0.57
1,1-Dichloroethane	0.030	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.030	Not Detected	0.12	Not Detected
Chloroform	0.030	0.045	0.15	0.22
1,1,1-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Carbon Tetrachloride	0.030	0.12	0.19	0.74
Benzene	0.076	0.40	0.24	1.3
1,2-Dichloroethane	0.030	Not Detected	0.12	Not Detected
Trichloroethene	0.030	Not Detected	0.16	Not Detected
trans-1,3-Dichloropropene	0.030	Not Detected	0.14	Not Detected
Toluene	0.030	1.3	0.11	5.0
1,1,2-Trichloroethane	0.030	Not Detected	0.16	Not Detected
Tetrachloroethene	0.030	0.031	0.21	0.21
Chlorobenzene	0.030	Not Detected	0.14	Not Detected
Ethyl Benzene	0.030	0.29	0.13	1.3
m,p-Xylene	0.061	1.2	0.26	5.0
o-Xylene	0.030	0.42 J	0.13	1.8 J
1,4-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
1,2-Dichlorobenzene	0.030	Not Detected	0.18	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Acetone	0.76	150 E	1.8	360 E
Methylene Chloride	0.30	9.2	1.0	32
Methyl tert-butyl ether	0.15	Not Detected	0.55	Not Detected
1,1,2,2-Tetrachloroethane	0.030	Not Detected	0.21	Not Detected

J = Estimated value due to bias in the CCV.
E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: IAQ-MS2-032812

Lab ID#: 1203680-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040619**	**Date of Collection:**	**3/28/12 8:43:00 AM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**4/6/12 08:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.032	0.49	0.16	2.4
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
Freon 11	0.032	0.22	0.18	1.2
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
Freon 113	0.032	0.073	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	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.11	0.20	0.71
Benzene	0.080	0.27	0.26	0.88
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	0.91	0.12	3.4
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	0.28	0.14	1.2
m,p-Xylene	0.064	1.1	0.28	4.9
o-Xylene	0.032	0.37 J	0.14	1.6 J
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	58 E	1.9	140 E
Methylene Chloride	0.32	23	1.1	80
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

J = Estimated value due to bias in the CCV.
E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: IAQ-SC1-032812

Lab ID#: 1203680-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040620**	**Date of Collection:**	**3/28/12 8:50:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/6/12 09:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4
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	0.075	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	0.11	0.21	0.68
Benzene	0.084	0.61	0.27	2.0
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	0.15	Not Detected
Toluene	0.034	4.6	0.13	17
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	1.6	0.14	6.9
m,p-Xylene	0.067	7.8	0.29	34
o-Xylene	0.034	2.5 J	0.14	11 J
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	410 E	2.0	980 E
Methylene Chloride	0.34	1.0	1.2	3.4
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

J = Estimated value due to bias in the CCV.
E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IAQ-SC2-032812

Lab ID#: 1203680-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040707**	**Date of Collection:**	**3/28/12 8:52:00 AM**
Dil. Factor:	**5.34**	**Date of Analysis:**	**4/7/12 03:10 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.11	0.47	0.53	2.3
Vinyl Chloride	0.053	Not Detected	0.14	Not Detected
Freon 11	0.11	0.21	0.60	1.2
1,1-Dichloroethene	0.053	Not Detected	0.21	Not Detected
Freon 113	0.11	Not Detected	0.82	Not Detected
1,1-Dichloroethane	0.11	Not Detected	0.43	Not Detected
cis-1,2-Dichloroethene	0.11	Not Detected	0.42	Not Detected
Chloroform	0.11	Not Detected	0.52	Not Detected
1,1,1-Trichloroethane	0.11	Not Detected	0.58	Not Detected
Carbon Tetrachloride	0.11	0.10 J	0.67	0.66 J
Benzene	0.27	0.74	0.85	2.4
1,2-Dichloroethane	0.11	Not Detected	0.43	Not Detected
Trichloroethene	0.11	Not Detected	0.57	Not Detected
trans-1,3-Dichloropropene	0.11	Not Detected	0.48	Not Detected
Toluene	0.11	12	0.40	46
1,1,2-Trichloroethane	0.11	Not Detected	0.58	Not Detected
Tetrachloroethene	0.11	Not Detected	0.72	Not Detected
Chlorobenzene	0.11	0.16	0.49	0.73
Ethyl Benzene	0.11	17	0.46	74
m,p-Xylene	0.21	89	0.93	380
o-Xylene	0.11	33	0.46	140
1,4-Dichlorobenzene	0.11	Not Detected	0.64	Not Detected
1,2-Dichlorobenzene	0.11	Not Detected	0.64	Not Detected
trans-1,2-Dichloroethene	0.53	Not Detected	2.1	Not Detected
Acetone	2.7	1700 E	6.3	4000 E
Methylene Chloride	1.1	1.4	3.7	5.0
Methyl tert-butyl ether	0.53	Not Detected	1.9	Not Detected
1,1,2,2-Tetrachloroethane	0.11	Not Detected	0.73	Not Detected

J = Estimated value.
E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

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

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Client Sample ID: IAQ-SC3-032812

Lab ID#: 1203680-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040708**	**Date of Collection:**	**3/28/12 8:49:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/7/12 04:07 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	0.044	Not Detected
Freon 11	0.034	0.22	0.19	1.2
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	0.098	0.22	0.62
Benzene	0.086	0.43	0.27	1.4
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	2.7	0.13	10
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	1.1	0.15	4.7
m,p-Xylene	0.068	5.2	0.30	23
o-Xylene	0.034	1.7	0.15	7.6
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	200 E	2.0	480 E
Methylene Chloride	0.34	0.63	1.2	2.2
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

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: IAQ-IDCI1-032812

Lab ID#: 1203680-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040709**	**Date of Collection:**	**3/28/12 9:14:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/7/12 04:47 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	0.22	0.19	1.3
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
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	0.13	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	0.10	0.21	0.64
Benzene	0.084	0.30	0.27	0.95
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	3.9
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	0.46	0.14	2.0
m,p-Xylene	0.067	1.1	0.29	4.9
o-Xylene	0.034	0.46	0.14	2.0
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	38 E	2.0	92 E
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

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: IAQ-IDCI2-032812

Lab ID#: 1203680-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040710**	**Date of Collection:**	**3/28/12 9:10:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/7/12 05:24 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
Freon 113	0.034	0.12	0.26	0.89
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	0.12	0.21	0.78
Benzene	0.084	0.27	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	0.73	0.13	2.7
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.033 J	0.23	0.22 J
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.10	0.14	0.43
m,p-Xylene	0.067	0.24	0.29	1.0
o-Xylene	0.034	0.087	0.14	0.38
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	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

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1203680-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040606a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 11:22 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
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	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1203680-10B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 02:17 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
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	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1203680-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 08:58 AM**	

Compound	**%Recovery**
Freon 12	91
Vinyl Chloride	95
Freon 11	91
1,1-Dichloroethene	102
Freon 113	93
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	105
Chloroform	95
1,1,1-Trichloroethane	96
Carbon Tetrachloride	91
Benzene	82
1,2-Dichloroethane	77
Trichloroethene	86
trans-1,3-Dichloropropene	109
Toluene	97
1,1,2-Trichloroethane	92
Tetrachloroethene	91
Chlorobenzene	92
Ethyl Benzene	115
m,p-Xylene	127
o-Xylene	132 Q
1,4-Dichlorobenzene	111
1,2-Dichlorobenzene	119
trans-1,2-Dichloroethene	103
Acetone	102
Methylene Chloride	78
Methyl tert-butyl ether	102
1,1,2,2-Tetrachloroethane	94

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: CCV

Lab ID#: 1203680-11B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 10:29 AM**	

Compound	**%Recovery**
Freon 12	94
Vinyl Chloride	98
Freon 11	94
1,1-Dichloroethene	106
Freon 113	95
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	107
Chloroform	97
1,1,1-Trichloroethane	98
Carbon Tetrachloride	92
Benzene	84
1,2-Dichloroethane	80
Trichloroethene	88
trans-1,3-Dichloropropene	113
Toluene	97
1,1,2-Trichloroethane	94
Tetrachloroethene	92
Chlorobenzene	91
Ethyl Benzene	110
m,p-Xylene	116
o-Xylene	119
1,4-Dichlorobenzene	93
1,2-Dichlorobenzene	98
trans-1,2-Dichloroethene	105
Acetone	110
Methylene Chloride	80
Methyl tert-butyl ether	106
1,1,2,2-Tetrachloroethane	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: LCS

Lab ID#: 1203680-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 09:41 AM**	

Compound	**%Recovery**
Freon 12	95
Vinyl Chloride	101
Freon 11	94
1,1-Dichloroethene	113
Freon 113	97
1,1-Dichloroethane	101
cis-1,2-Dichloroethene	110
Chloroform	99
1,1,1-Trichloroethane	101
Carbon Tetrachloride	76
Benzene	86
1,2-Dichloroethane	80
Trichloroethene	91
trans-1,3-Dichloropropene	115
Toluene	99
1,1,2-Trichloroethane	97
Tetrachloroethene	94
Chlorobenzene	96
Ethyl Benzene	115
m,p-Xylene	124
o-Xylene	126
1,4-Dichlorobenzene	103
1,2-Dichlorobenzene	110
trans-1,2-Dichloroethene	120
Acetone	107
Methylene Chloride	81
Methyl tert-butyl ether	105
1,1,2,2-Tetrachloroethane	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	109	70-130

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Client Sample ID: LCSD

Lab ID#: 1203680-12AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/6/12 10:15 AM**	

Compound	**%Recovery**
Freon 12	96
Vinyl Chloride	104
Freon 11	96
1,1-Dichloroethene	116
Freon 113	99
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	112
Chloroform	102
1,1,1-Trichloroethane	103
Carbon Tetrachloride	77
Benzene	88
1,2-Dichloroethane	81
Trichloroethene	93
trans-1,3-Dichloropropene	117
Toluene	101
1,1,2-Trichloroethane	99
Tetrachloroethene	96
Chlorobenzene	98
Ethyl Benzene	119
m,p-Xylene	129
o-Xylene	132 Q
1,4-Dichlorobenzene	116
1,2-Dichlorobenzene	129
trans-1,2-Dichloroethene	123
Acetone	108
Methylene Chloride	83
Methyl tert-butyl ether	108
1,1,2,2-Tetrachloroethane	106

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: LCS

Lab ID#: 1203680-12B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 11:16 AM**	

Compound	**%Recovery**
Freon 12	102
Vinyl Chloride	108
Freon 11	100
1,1-Dichloroethene	121
Freon 113	103
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	116
Chloroform	105
1,1,1-Trichloroethane	107
Carbon Tetrachloride	79
Benzene	92
1,2-Dichloroethane	84
Trichloroethene	96
trans-1,3-Dichloropropene	118
Toluene	106
1,1,2-Trichloroethane	100
Tetrachloroethene	98
Chlorobenzene	100
Ethyl Benzene	124
m,p-Xylene	136 Q
o-Xylene	139 Q
1,4-Dichlorobenzene	109
1,2-Dichlorobenzene	116
trans-1,2-Dichloroethene	127
Acetone	112
Methylene Chloride	86
Methyl tert-butyl ether	112
1,1,2,2-Tetrachloroethane	102

Q = Exceeds Quality Control limits.

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#: 1203680-12BB

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 12:11 PM**	

Compound	**%Recovery**
Freon 12	100
Vinyl Chloride	107
Freon 11	100
1,1-Dichloroethene	121
Freon 113	102
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	115
Chloroform	105
1,1,1-Trichloroethane	106
Carbon Tetrachloride	78
Benzene	90
1,2-Dichloroethane	84
Trichloroethene	95
trans-1,3-Dichloropropene	121
Toluene	104
1,1,2-Trichloroethane	102
Tetrachloroethene	98
Chlorobenzene	99
Ethyl Benzene	120
m,p-Xylene	129
o-Xylene	131 Q
1,4-Dichlorobenzene	100
1,2-Dichlorobenzene	104
trans-1,2-Dichloroethene	126
Acetone	114
Methylene Chloride	85
Methyl tert-butyl ether	112
1,1,2,2-Tetrachloroethane	102

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	110	70-130

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4/13/2012
Ms. Sharon Wallin
CDM Smith Inc.
111 Academy Street
Suite 150
Irvine CA 92617

Project Name: Omega IAQ
Project #: 1050090421-AOC.IAQ
Workorder #: 1203685

Dear Ms. Sharon Wallin

The following report includes the data for the above referenced project for sample(s) received on 3/31/2012 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 #: 1203685

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 #**	1050090421-AOC.IAQ Omega IAQ
DATE RECEIVED:	03/31/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	04/13/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IAQ-ROP1-032912	Modified TO-15 SIM	6.0 "Hg	5 psi
02A	IAQ-ROP2-032912	Modified TO-15 SIM	6.5 "Hg	5 psi
03A	IAQ-ROP3-032912	Modified TO-15 SIM	6.5 "Hg	5 psi
04A	IAQ-ROP4-032912	Modified TO-15 SIM	6.0 "Hg	5 psi
05A	IAQ-ROP5-032912	Modified TO-15 SIM	4.0 "Hg	5 psi
06A	IAQ-AA8-032912	Modified TO-15 SIM	6.5 "Hg	5 psi
07A	Lab Blank	Modified TO-15 SIM	NA	NA
08A	CCV	Modified TO-15 SIM	NA	NA
09A	LCS	Modified TO-15 SIM	NA	NA
09AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Linda J. Freeman DATE: 04/13/12

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 SIM
CDM Smith Inc.
Workorder# 1203685

Six 6 Liter Summa Canister (SIM Certified) samples were received on March 31, 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.

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-ROP1-032912

Lab ID#: 1203685-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4
Freon 11	0.034	0.23	0.19	1.3
Freon 113	0.034	0.073	0.26	0.56
Carbon Tetrachloride	0.034	0.13	0.21	0.80
Benzene	0.084	0.22	0.27	0.69
Toluene	0.034	0.94	0.13	3.5
Tetrachloroethene	0.034	0.051	0.23	0.35
Ethyl Benzene	0.034	0.093	0.14	0.40
m,p-Xylene	0.067	0.34	0.29	1.5
o-Xylene	0.034	0.11	0.14	0.48
Acetone	0.84	32	2.0	75
Methylene Chloride	0.34	1.5	1.2	5.3

Client Sample ID: IAQ-ROP2-032912

Lab ID#: 1203685-02A

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	0.067	0.26	0.52
1,1,1-Trichloroethane	0.034	0.042	0.19	0.23
Carbon Tetrachloride	0.034	0.12	0.22	0.76
Benzene	0.086	0.19	0.27	0.60
Toluene	0.034	2.8	0.13	11
Tetrachloroethene	0.034	0.046	0.23	0.31
Ethyl Benzene	0.034	0.13	0.15	0.57
m,p-Xylene	0.068	1.3	0.30	5.6
o-Xylene	0.034	0.30	0.15	1.3
Acetone	0.86	240 E	2.0	570 E

Client Sample ID: IAQ-ROP3-032912

Lab ID#: 1203685-03A

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

Client Sample ID: IAQ-ROP3-032912

Lab ID#: 1203685-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.50	0.17	2.4
Freon 11	0.034	0.23	0.19	1.3
Freon 113	0.034	0.078	0.26	0.59
Carbon Tetrachloride	0.034	0.14	0.22	0.86
Benzene	0.086	0.23	0.27	0.72
Toluene	0.034	0.95	0.13	3.6
Tetrachloroethene	0.034	0.042	0.23	0.28
Ethyl Benzene	0.034	0.063	0.15	0.28
m,p-Xylene	0.068	0.20	0.30	0.86
o-Xylene	0.034	0.051	0.15	0.22
Acetone	0.86	55 E	2.0	130 E
Methylene Chloride	0.34	0.51	1.2	1.8

Client Sample ID: IAQ-ROP4-032912

Lab ID#: 1203685-04A

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	0.22	0.19	1.2
Freon 113	0.034	0.065	0.26	0.50
Chloroform	0.034	0.11	0.16	0.52
Carbon Tetrachloride	0.034	0.11	0.21	0.70
Benzene	0.084	0.20	0.27	0.65
Toluene	0.034	0.46	0.13	1.7
Tetrachloroethene	0.034	0.038	0.23	0.26
Ethyl Benzene	0.034	0.059	0.14	0.26
m,p-Xylene	0.067	0.18	0.29	0.80
o-Xylene	0.034	0.064	0.14	0.28
Acetone	0.84	10	2.0	24
Methylene Chloride	0.34	0.52	1.2	1.8

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

Client Sample ID: IAQ-ROP5-032912

Lab ID#: 1203685-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.49	0.15	2.4
Freon 11	0.031	0.23	0.17	1.3
1,1-Dichloroethene	0.016	0.019	0.061	0.074
Freon 113	0.031	0.072	0.24	0.55
Chloroform	0.031	0.49	0.15	2.4
Carbon Tetrachloride	0.031	0.11	0.20	0.70
Benzene	0.078	0.21	0.25	0.68
Toluene	0.031	0.64	0.12	2.4
Tetrachloroethene	0.031	0.047	0.21	0.32
Ethyl Benzene	0.031	0.14	0.13	0.62
m,p-Xylene	0.062	0.48	0.27	2.1
o-Xylene	0.031	0.18	0.13	0.79
Acetone	0.78	10	1.8	25
Methylene Chloride	0.31	0.48	1.1	1.7

Client Sample ID: IAQ-AA8-032912

Lab ID#: 1203685-06A

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	0.26	0.19	1.5
1,1-Dichloroethene	0.017	0.075	0.068	0.30
Freon 113	0.034	0.076	0.26	0.58
Carbon Tetrachloride	0.034	0.10	0.22	0.66
Benzene	0.086	0.21	0.27	0.67
Toluene	0.034	0.53	0.13	2.0
Tetrachloroethene	0.034	0.12	0.23	0.82
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	0.070	0.15	0.30
Acetone	0.86	3.8	2.0	9.0

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Client Sample ID: IAQ-ROP1-032912

Lab ID#: 1203685-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040711**	**Date of Collection:**	**3/29/12 8:08:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/7/12 06:18 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.48	0.17	2.4
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
Freon 11	0.034	0.23	0.19	1.3
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	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.13	0.21	0.80
Benzene	0.084	0.22	0.27	0.69
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	0.94	0.13	3.5
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.051	0.23	0.35
Chlorobenzene	0.034	Not Detected	0.15	Not Detected
Ethyl Benzene	0.034	0.093	0.14	0.40
m,p-Xylene	0.067	0.34	0.29	1.5
o-Xylene	0.034	0.11	0.14	0.48
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	32	2.0	75
Methylene Chloride	0.34	1.5	1.2	5.3
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	109	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: IAQ-ROP2-032912

Lab ID#: 1203685-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040712**	**Date of Collection:**	**3/29/12 8:15:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/7/12 07:35 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	0.067	0.26	0.52
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Chloroform	0.034	Not Detected	0.17	Not Detected
1,1,1-Trichloroethane	0.034	0.042	0.19	0.23
Carbon Tetrachloride	0.034	0.12	0.22	0.76
Benzene	0.086	0.19	0.27	0.60
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	2.8	0.13	11
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.046	0.23	0.31
Chlorobenzene	0.034	Not Detected	0.16	Not Detected
Ethyl Benzene	0.034	0.13	0.15	0.57
m,p-Xylene	0.068	1.3	0.30	5.6
o-Xylene	0.034	0.30	0.15	1.3
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	240 E	2.0	570 E
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

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: IAQ-ROP3-032912

Lab ID#: 1203685-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040713**	**Date of Collection:**	**3/29/12 8:12:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/7/12 08:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.034	0.50	0.17	2.4
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
Freon 11	0.034	0.23	0.19	1.3
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
Freon 113	0.034	0.078	0.26	0.59
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	0.14	0.22	0.86
Benzene	0.086	0.23	0.27	0.72
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	0.95	0.13	3.6
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	0.063	0.15	0.28
m,p-Xylene	0.068	0.20	0.30	0.86
o-Xylene	0.034	0.051	0.15	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	0.68	Not Detected
Acetone	0.86	55 E	2.0	130 E
Methylene Chloride	0.34	0.51	1.2	1.8
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

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	95	70-130

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Client Sample ID: IAQ-ROP4-032912

Lab ID#: 1203685-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040714**	**Date of Collection:**	**3/29/12 7:57:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**4/7/12 09:10 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	0.22	0.19	1.2
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	0.11	0.16	0.52
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.11	0.21	0.70
Benzene	0.084	0.20	0.27	0.65
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	0.46	0.13	1.7
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	0.15	Not Detected
Ethyl Benzene	0.034	0.059	0.14	0.26
m,p-Xylene	0.067	0.18	0.29	0.80
o-Xylene	0.034	0.064	0.14	0.28
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	24
Methylene Chloride	0.34	0.52	1.2	1.8
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	110	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: IAQ-ROP5-032912

Lab ID#: 1203685-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040715**	**Date of Collection:**	**3/29/12 7:56:00 AM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**4/7/12 09:51 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.031	0.49	0.15	2.4
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
Freon 11	0.031	0.23	0.17	1.3
1,1-Dichloroethene	0.016	0.019	0.061	0.074
Freon 113	0.031	0.072	0.24	0.55
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	0.49	0.15	2.4
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Carbon Tetrachloride	0.031	0.11	0.20	0.70
Benzene	0.078	0.21	0.25	0.68
1,2-Dichloroethane	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.17	Not Detected
trans-1,3-Dichloropropene	0.031	Not Detected	0.14	Not Detected
Toluene	0.031	0.64	0.12	2.4
1,1,2-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Tetrachloroethene	0.031	0.047	0.21	0.32
Chlorobenzene	0.031	Not Detected	0.14	Not Detected
Ethyl Benzene	0.031	0.14	0.13	0.62
m,p-Xylene	0.062	0.48	0.27	2.1
o-Xylene	0.031	0.18	0.13	0.79
1,4-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
1,2-Dichlorobenzene	0.031	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Acetone	0.78	10	1.8	25
Methylene Chloride	0.31	0.48	1.1	1.7
Methyl tert-butyl ether	0.16	Not Detected	0.56	Not Detected
1,1,2,2-Tetrachloroethane	0.031	Not Detected	0.21	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IAQ-AA8-032912

Lab ID#: 1203685-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040716**	**Date of Collection:**	**3/29/12 8:18:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**4/7/12 10:25 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	0.044	Not Detected
Freon 11	0.034	0.26	0.19	1.5
1,1-Dichloroethene	0.017	0.075	0.068	0.30
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	0.10	0.22	0.66
Benzene	0.086	0.21	0.27	0.67
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	0.53	0.13	2.0
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	0.12	0.23	0.82
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	0.070	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	3.8	2.0	9.0
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	106	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1203685-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 02:17 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
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	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1203685-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 10:29 AM**	

Compound	**%Recovery**
Freon 12	94
Vinyl Chloride	98
Freon 11	94
1,1-Dichloroethene	106
Freon 113	95
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	107
Chloroform	97
1,1,1-Trichloroethane	98
Carbon Tetrachloride	92
Benzene	84
1,2-Dichloroethane	80
Trichloroethene	88
trans-1,3-Dichloropropene	113
Toluene	97
1,1,2-Trichloroethane	94
Tetrachloroethene	92
Chlorobenzene	91
Ethyl Benzene	110
m,p-Xylene	116
o-Xylene	119
1,4-Dichlorobenzene	93
1,2-Dichlorobenzene	98
trans-1,2-Dichloroethene	105
Acetone	110
Methylene Chloride	80
Methyl tert-butyl ether	106
1,1,2,2-Tetrachloroethane	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: LCS

Lab ID#: 1203685-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 11:16 AM**	

Compound	**%Recovery**
Freon 12	102
Vinyl Chloride	108
Freon 11	100
1,1-Dichloroethene	121
Freon 113	103
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	116
Chloroform	105
1,1,1-Trichloroethane	107
Carbon Tetrachloride	79
Benzene	92
1,2-Dichloroethane	84
Trichloroethene	96
trans-1,3-Dichloropropene	118
Toluene	106
1,1,2-Trichloroethane	100
Tetrachloroethene	98
Chlorobenzene	100
Ethyl Benzene	124
m,p-Xylene	136 Q
o-Xylene	139 Q
1,4-Dichlorobenzene	109
1,2-Dichlorobenzene	116
trans-1,2-Dichloroethene	127
Acetone	112
Methylene Chloride	86
Methyl tert-butyl ether	112
1,1,2,2-Tetrachloroethane	102

Q = Exceeds Quality Control limits.

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#: 1203685-09AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**c040704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/7/12 12:11 PM**	

Compound	**%Recovery**
Freon 12	100
Vinyl Chloride	107
Freon 11	100
1,1-Dichloroethene	121
Freon 113	102
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	115
Chloroform	105
1,1,1-Trichloroethane	106
Carbon Tetrachloride	78
Benzene	90
1,2-Dichloroethane	84
Trichloroethene	95
trans-1,3-Dichloropropene	121
Toluene	104
1,1,2-Trichloroethane	102
Tetrachloroethene	98
Chlorobenzene	99
Ethyl Benzene	120
m,p-Xylene	129
o-Xylene	131 Q
1,4-Dichlorobenzene	100
1,2-Dichlorobenzene	104
trans-1,2-Dichloroethene	126
Acetone	114
Methylene Chloride	85
Methyl tert-butyl ether	112
1,1,2,2-Tetrachloroethane	102

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	110	70-130

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-1978

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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 04/12/2012 by:
Stephen Nowak
Project Manager

ResultLink

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Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-03-1978
		Project Name:	Omega IAO / 10500
		Received:	03/29/12 17:37
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-ROP1-032912-K2						
Dichlorodifluoromethane	**0.49**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.25**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1-Dichloroethene	**0.017**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Methylene Chloride	**1.7**		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	**0.030**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.026**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**18**		5.0	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.26**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.084**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**1.0**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichloroethene	**0.018**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.066**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.12**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.44**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.14**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
IAQ-TP1-032812-K2						
Dichlorodifluoromethane	**0.49**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.25**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1-Dichloroethene	**0.015**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.083**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.037**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.027**		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	**5.1**		1.0	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.50**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.088**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**1.5**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichloroethene	**0.018**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.052**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.26**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**0.86**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.32**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-03-1978
		Project Name:	Omega IAO / 10500
		Received:	03/29/12 17:37
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-MS1-032812-K2						
Dichlorodifluoromethane	**0.55**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichlorofluoromethane	**0.25**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
1,1-Dichloroethene	**0.011**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Methylene Chloride	**9.5**		2.0	ppb (v/v)	EPA TO-15 SIM	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.083**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Chloroform	**0.046**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.027**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
1,4-Dichlorobenzene	**0.026**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Acetone	**130**		16	ppb (v/v)	EPA TO-15 SIM	N/A
Benzene	**0.52**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.087**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Toluene	**1.6**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Trichloroethene	**0.019**		0.010	ppb (v/v)	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.051**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
Ethylbenzene	**0.42**		0.020	ppb (v/v)	EPA TO-15 SIM	N/A
p/m-Xylene	**1.4**		0.040	ppb (v/v)	EPA TO-15 SIM	N/A
o-Xylene	**0.54**		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:	12-03-1978
		Project Name:	Omega IAO / 10500
		Received:	03/29/12 17:37
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-ROP1-032912-K2						
Dichlorodifluoromethane	**2.4**		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-Dichloroethene	**0.066**		0.040	ug/m3	EPA TO-15 SIM	N/A
Methylene Chloride	**5.8**		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	**0.11**		0.040	ug/m3	EPA TO-15 SIM	N/A
Acetone	**44**		12	ug/m3	EPA TO-15 SIM	N/A
Benzene	**0.82**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.53**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**3.9**		0.075	ug/m3	EPA TO-15 SIM	N/A
Trichloroethene	**0.097**		0.054	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.45**		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	**1.9**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**0.61**		0.087	ug/m3	EPA TO-15 SIM	N/A
IAQ-TP1-032812-K2						
Dichlorodifluoromethane	**2.4**		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-Dichloroethene	**0.058**		0.040	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	**0.18**		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.11**		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	**12**		2.4	ug/m3	EPA TO-15 SIM	N/A
Benzene	**1.6**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.56**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**5.6**		0.075	ug/m3	EPA TO-15 SIM	N/A
Trichloroethene	**0.094**		0.054	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.36**		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**1.1**		0.087	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**3.8**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**1.4**		0.087	ug/m3	EPA TO-15 SIM	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	CDM Smith Inc. 111 Academy Suite 150	Work Order:	12-03-1978
		Project Name:	Omega IAO / 10500
		Received:	03/29/12 17:37
Attn:	Sharon Wallin		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
IAQ-MS1-032812-K2						
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-Dichloroethene	**0.044**		0.040	ug/m3	EPA TO-15 SIM	N/A
Methylene Chloride	**33**		6.9	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	**0.22**		0.049	ug/m3	EPA TO-15 SIM	N/A
1,2-Dichloroethane	**0.11**		0.040	ug/m3	EPA TO-15 SIM	N/A
1,4-Dichlorobenzene	**0.16**		0.12	ug/m3	EPA TO-15 SIM	N/A
Acetone	**300**		38	ug/m3	EPA TO-15 SIM	N/A
Benzene	**1.7**		0.064	ug/m3	EPA TO-15 SIM	N/A
Carbon Tetrachloride	**0.55**		0.063	ug/m3	EPA TO-15 SIM	N/A
Toluene	**6.1**		0.075	ug/m3	EPA TO-15 SIM	N/A
Trichloroethene	**0.10**		0.054	ug/m3	EPA TO-15 SIM	N/A
Tetrachloroethene	**0.35**		0.14	ug/m3	EPA TO-15 SIM	N/A
Ethylbenzene	**1.8**		0.087	ug/m3	EPA TO-15 SIM	N/A
p/m-Xylene	**6.1**		0.17	ug/m3	EPA TO-15 SIM	N/A
o-Xylene	**2.3**		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:	03/29/12
111 Academy		Work Order No:	12-03-1978
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 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-032912-K2	**12-03-1978-1-A**	**03/29/12 14:18**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 19:05**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.49	0.020	1		1,4-Dichlorobenzene	ND	0.020	1	
Vinyl Chloride	ND	0.010	1		Acetone	18	5.0	10	
Trichlorofluoromethane	0.25	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
1,1-Dichloroethene	0.017	0.010	1		Benzene	0.26	0.020	1	
Methylene Chloride	1.7	0.20	1		Carbon Tetrachloride	0.084	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	1.0	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	0.018	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.066	0.020	1	
Chloroform	0.030	0.010	1		Ethylbenzene	0.12	0.020	1	
1,2-Dichloroethane	0.026	0.010	1		p/m-Xylene	0.44	0.040	1	
1,2-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,1,1-Trichloroethane	ND	0.020	1		o-Xylene	0.14	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	97	37-163	
Toluene-d8	99	73-121					

IAQ-TP1-032812-K2	**12-03-1978-2-A**	**03/28/12 12:57**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 19:59**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.49	0.020	1		Chlorobenzene	ND	0.020	1	
Vinyl Chloride	ND	0.010	1		Acetone	5.1	1.0	2	
Trichlorofluoromethane	0.25	0.020	1		t-1,3-Dichloropropene	ND	0.020	1	
1,1-Dichloroethene	0.015	0.010	1		Benzene	0.50	0.020	1	
Methylene Chloride	ND	0.20	1		Carbon Tetrachloride	0.088	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.083	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	1.5	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	0.018	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.052	0.020	1	
Chloroform	0.037	0.010	1		Ethylbenzene	0.26	0.020	1	
1,2-Dichloroethane	0.027	0.010	1		p/m-Xylene	0.86	0.040	1	
1,1,1-Trichloroethane	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,4-Dichlorobenzene	0.022	0.020	1		o-Xylene	0.32	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	96	37-163	
Toluene-d8	97	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	03/29/12
111 Academy		Work Order No:	12-03-1978
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 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-MS1-032812-K2	**12-03-1978-3-A**	**03/28/12 16:42**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 20:53**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	0.55	0.020	1		Acetone	130	16	32.2	
Vinyl Chloride	ND	0.010	1		t-1,3-Dichloropropene	ND	0.020	1	
Trichlorofluoromethane	0.25	0.020	1		Chlorobenzene	ND	0.020	1	
1,1-Dichloroethene	0.011	0.010	1		Benzene	0.52	0.020	1	
Methylene Chloride	9.5	2.0	10		Carbon Tetrachloride	0.087	0.010	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.083	0.020	1		1,1,2-Trichloroethane	ND	0.020	1	
t-1,2-Dichloroethene	ND	0.10	1		Toluene	1.6	0.020	1	
1,1-Dichloroethane	ND	0.020	1		Trichloroethene	0.019	0.010	1	
c-1,2-Dichloroethene	ND	0.020	1		Tetrachloroethene	0.051	0.020	1	
Chloroform	0.046	0.010	1		Ethylbenzene	0.42	0.020	1	
1,2-Dichloroethane	0.027	0.010	1		p/m-Xylene	1.4	0.040	1	
1,2-Dichlorobenzene	ND	0.020	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
1,1,1-Trichloroethane	ND	0.020	1		o-Xylene	0.54	0.020	1	
1,4-Dichlorobenzene	0.026	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	109	45-153		1,2-Dichloroethane-d4	95	37-163	
Toluene-d8	98	73-121					

Method Blank	**099-15-188-3**	**N/A**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 17:57**	**120330L01**

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		t-1,3-Dichloropropene	ND	0.020	1	
Trichlorofluoromethane	ND	0.020	1		Chlorobenzene	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	
1,2-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	
1,4-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	90	45-153		1,2-Dichloroethane-d4	99	37-163	
Toluene-d8	96	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	03/29/12
111 Academy		Work Order No:	12-03-1978
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ppb (v/v)
Project: Omega IAO / 10500			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	**099-15-188-4**	**N/A**	**Air**	**GC/MS KK**	**N/A**	**04/02/12 14:49**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.020	1		1,4-Dichlorobenzene	ND	0.020	1	
Vinyl Chloride	ND	0.010	1		1,1,1-Trichloroethane	ND	0.020	1	
Trichlorofluoromethane	ND	0.020	1		1,2-Dichlorobenzene	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	
Acetone	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
Chlorobenzene	ND	0.020	1		o-Xylene	ND	0.020	1	
t-1,3-Dichloropropene	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	100	37-163	
Toluene-d8	102	73-121					

Method Blank	**099-15-188-5**	**N/A**	**Air**	**GC/MS KK**	**N/A**	**04/03/12 15:24**	**120403L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.020	1		1,4-Dichlorobenzene	ND	0.020	1	
Vinyl Chloride	ND	0.010	1		1,1,1-Trichloroethane	ND	0.020	1	
Trichlorofluoromethane	ND	0.020	1		1,2-Dichlorobenzene	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	
Acetone	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	0.020	1	
Chlorobenzene	ND	0.020	1		o-Xylene	ND	0.020	1	
t-1,3-Dichloropropene	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	87	45-153		1,2-Dichloroethane-d4	101	37-163	
Toluene-d8	105	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	03/29/12
111 Academy		Work Order No:	12-03-1978
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAO / 10500			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-ROP1-032912-K2	**12-03-1978-1-A**	**03/29/12 14:18**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 19:05**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.4	0.099	1		1,4-Dichlorobenzene	ND	0.12	1	
Vinyl Chloride	ND	0.026	1		Acetone	44	12	10	
Trichlorofluoromethane	1.4	0.11	1		t-1,3-Dichloropropene	ND	0.091	1	
1,1-Dichloroethene	0.066	0.040	1		Benzene	0.82	0.064	1	
Methylene Chloride	5.8	0.69	1		Carbon Tetrachloride	0.53	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	3.9	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	0.097	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.45	0.14	1	
Chloroform	0.14	0.049	1		Ethylbenzene	0.50	0.087	1	
1,2-Dichloroethane	0.11	0.040	1		p/m-Xylene	1.9	0.17	1	
1,2-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,1,1-Trichloroethane	ND	0.11	1		o-Xylene	0.61	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	97	37-163	
Toluene-d8	99	73-121					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-TP1-032812-K2	**12-03-1978-2-A**	**03/28/12 12:57**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 19:59**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.4	0.099	1		Chlorobenzene	ND	0.092	1	
Vinyl Chloride	ND	0.026	1		Acetone	12	2.4	2	
Trichlorofluoromethane	1.4	0.11	1		t-1,3-Dichloropropene	ND	0.091	1	
1,1-Dichloroethene	0.058	0.040	1		Benzene	1.6	0.064	1	
Methylene Chloride	ND	0.69	1		Carbon Tetrachloride	0.56	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	5.6	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	0.094	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.36	0.14	1	
Chloroform	0.18	0.049	1		Ethylbenzene	1.1	0.087	1	
1,2-Dichloroethane	0.11	0.040	1		p/m-Xylene	3.8	0.17	1	
1,1,1-Trichloroethane	ND	0.11	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,4-Dichlorobenzene	0.13	0.12	1		o-Xylene	1.4	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	96	37-163	
Toluene-d8	97	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	03/29/12
111 Academy		Work Order No:	12-03-1978
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAO / 10500			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IAQ-MS1-032812-K2	**12-03-1978-3-A**	**03/28/12 16:42**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 20:53**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	2.7	0.099	1		Acetone	300	38	32.2	
Vinyl Chloride	ND	0.026	1		t-1,3-Dichloropropene	ND	0.091	1	
Trichlorofluoromethane	1.4	0.11	1		Chlorobenzene	ND	0.092	1	
1,1-Dichloroethene	0.044	0.040	1		Benzene	1.7	0.064	1	
Methylene Chloride	33	6.9	10		Carbon Tetrachloride	0.55	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	6.1	0.075	1	
1,1-Dichloroethane	ND	0.081	1		Trichloroethene	0.10	0.054	1	
c-1,2-Dichloroethene	ND	0.079	1		Tetrachloroethene	0.35	0.14	1	
Chloroform	0.22	0.049	1		Ethylbenzene	1.8	0.087	1	
1,2-Dichloroethane	0.11	0.040	1		p/m-Xylene	6.1	0.17	1	
1,2-Dichlorobenzene	ND	0.12	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
1,1,1-Trichloroethane	ND	0.11	1		o-Xylene	2.3	0.087	1	
1,4-Dichlorobenzene	0.16	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	109	45-153		1,2-Dichloroethane-d4	95	37-163	
Toluene-d8	98	73-121					

Method Blank	**099-15-188-3**	**N/A**	**Air**	**GC/MS KK**	**N/A**	**03/30/12 17:57**	**120330L01**

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		t-1,3-Dichloropropene	ND	0.091	1	
Trichlorofluoromethane	ND	0.11	1		Chlorobenzene	ND	0.092	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	
1,2-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	
1,4-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	90	45-153		1,2-Dichloroethane-d4	99	37-163	
Toluene-d8	96	73-121					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CDM Smith Inc.		Date Received:	03/29/12
111 Academy		Work Order No:	12-03-1978
Suite 150		Preparation:	N/A
Irvine, CA 92617-3000		Method:	EPA TO-15 SIM
		Units:	ug/m3
Project: Omega IAO / 10500			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	**099-15-188-4**	**N/A**	**Air**	**GC/MS KK**	**N/A**	**04/02/12 14:49**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.099	1		1,4-Dichlorobenzene	ND	0.12	1	
Vinyl Chloride	ND	0.026	1		1,1,1-Trichloroethane	ND	0.11	1	
Trichlorofluoromethane	ND	0.11	1		1,2-Dichlorobenzene	ND	0.12	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	
Acetone	ND	1.2	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
Chlorobenzene	ND	0.092	1		o-Xylene	ND	0.087	1	
t-1,3-Dichloropropene	ND	0.091	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	100	37-163	
Toluene-d8	103	73-121					

Method Blank	**099-15-188-5**	**N/A**	**Air**	**GC/MS KK**	**N/A**	**04/03/12 15:24**	**120403L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dichlorodifluoromethane	ND	0.099	1		1,4-Dichlorobenzene	ND	0.12	1	
Vinyl Chloride	ND	0.026	1		1,1,1-Trichloroethane	ND	0.11	1	
Trichlorofluoromethane	ND	0.11	1		1,2-Dichlorobenzene	ND	0.12	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	
Acetone	ND	1.2	1		1,1,2,2-Tetrachloroethane	ND	0.14	1	
Chlorobenzene	ND	0.092	1		o-Xylene	ND	0.087	1	
t-1,3-Dichloropropene	ND	0.091	1		Methyl-t-Butyl Ether (MTBE)	ND	0.36	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	45-153		1,2-Dichloroethane-d4	101	37-163	
Toluene-d8	105	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:	12-03-1978
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
099-15-188-3	**Air**	**GC/MS KK**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Dichlorodifluoromethane	0.5000	97	95	50-150	33-167	2	0-30	
Chloromethane	0.5000	94	93	50-150	33-167	1	0-30	
Vinyl Chloride	0.5000	96	96	44-140	28-156	0	0-33	
Chloroethane	0.5000	94	94	50-150	33-167	0	0-30	
Trichlorofluoromethane	0.5000	97	95	50-150	33-167	2	0-30	
1,1-Dichloroethene	0.5000	95	91	50-150	33-167	5	0-30	
Methylene Chloride	0.5000	93	90	50-150	33-167	3	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5000	97	94	50-150	33-167	3	0-30	
t-1,2-Dichloroethene	0.5000	97	93	50-150	33-167	4	0-30	
1,1-Dichloroethane	0.5000	97	94	50-150	33-167	4	0-30	
c-1,2-Dichloroethene	0.5000	97	94	35-165	13-187	2	0-35	
Chloroform	0.5000	91	89	50-150	33-167	2	0-30	
1,2-Dichloroethane	0.5000	93	91	28-166	5-189	3	0-40	
1,2,4-Trimethylbenzene	0.5000	101	102	50-150	33-167	1	0-30	
1,3,5-Trimethylbenzene	0.5000	102	102	50-150	33-167	1	0-30	
4-Ethyltoluene	0.5000	102	102	50-150	33-167	0	0-30	
Chlorobenzene	0.5000	95	94	50-150	33-167	1	0-30	
t-1,3-Dichloropropene	0.5000	96	89	50-150	33-167	8	0-30	
1,1,1-Trichloroethane	0.5000	94	91	50-150	33-167	3	0-30	
1,1-Difluoroethane	0.5000	97	94	50-150	33-167	3	0-30	
Benzene	0.5000	95	91	27-153	6-174	4	0-34	
Carbon Tetrachloride	0.5000	90	88	7-187	0-217	2	0-31	
Bromodichloromethane	0.5000	94	91	50-150	33-167	3	0-30	
1,1,2-Trichloroethane	0.5000	94	91	27-171	3-195	3	0-38	
Toluene	0.5000	90	89	28-154	7-175	1	0-42	
Dibromochloromethane	0.5000	92	93	50-150	33-167	1	0-30	
Trichloroethene	0.5000	85	79	43-139	27-155	8	0-31	
Tetrachloroethene	0.5000	95	95	34-154	14-174	0	0-33	
Ethylbenzene	0.5000	102	99	27-153	6-174	3	0-46	
p/m-Xylene	1.000	103	101	21-165	0-189	2	0-51	
1,1,2,2-Tetrachloroethane	0.5000	94	94	50-150	33-167	0	0-30	
o-Xylene	0.5000	102	100	22-160	0-183	2	0-48	
Hexachloro-1,3-Butadiene	0.5000	74	74	50-150	33-167	0	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:	12-03-1978
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
099-15-188-3	**Air**	**GC/MS KK**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.5000	105	99	50-150	33-167	6	0-30	
Naphthalene	0.5000	67	66	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.

Quality Control - LCS/LCS Duplicate

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-03-1978
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
099-15-188-4	**Air**	**GC/MS KK**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Dichlorodifluoromethane	0.5000	95	94	50-150	33-167	1	0-30	
Chloromethane	0.5000	90	89	50-150	33-167	1	0-30	
Vinyl Chloride	0.5000	96	88	44-140	28-156	9	0-33	
Chloroethane	0.5000	95	93	50-150	33-167	2	0-30	
Trichlorofluoromethane	0.5000	100	96	50-150	33-167	4	0-30	
1,1-Dichloroethene	0.5000	87	86	50-150	33-167	1	0-30	
Methylene Chloride	0.5000	88	88	50-150	33-167	1	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5000	97	93	50-150	33-167	4	0-30	
t-1,2-Dichloroethene	0.5000	94	89	50-150	33-167	6	0-30	
1,1-Dichloroethane	0.5000	97	92	50-150	33-167	5	0-30	
c-1,2-Dichloroethene	0.5000	93	88	35-165	13-187	5	0-35	
Chloroform	0.5000	92	88	50-150	33-167	5	0-30	
1,2-Dichloroethane	0.5000	94	90	28-166	5-189	4	0-40	
1,2,4-Trimethylbenzene	0.5000	111	106	50-150	33-167	4	0-30	
1,3,5-Trimethylbenzene	0.5000	114	109	50-150	33-167	4	0-30	
4-Ethyltoluene	0.5000	114	110	50-150	33-167	4	0-30	
Chlorobenzene	0.5000	110	104	50-150	33-167	6	0-30	
t-1,3-Dichloropropene	0.5000	103	94	50-150	33-167	9	0-30	
1,1,1-Trichloroethane	0.5000	108	104	50-150	33-167	3	0-30	
1,1-Difluoroethane	0.5000	90	90	50-150	33-167	0	0-30	
Benzene	0.5000	99	94	27-153	6-174	5	0-34	
Carbon Tetrachloride	0.5000	102	99	7-187	0-217	3	0-31	
Bromodichloromethane	0.5000	105	100	50-150	33-167	5	0-30	
1,1,2-Trichloroethane	0.5000	105	99	27-171	3-195	7	0-38	
Toluene	0.5000	101	97	28-154	7-175	4	0-42	
Dibromochloromethane	0.5000	112	107	50-150	33-167	4	0-30	
Trichloroethene	0.5000	88	86	43-139	27-155	2	0-31	
Tetrachloroethene	0.5000	110	106	34-154	14-174	4	0-33	
Ethylbenzene	0.5000	114	105	27-153	6-174	8	0-46	
p/m-Xylene	1.000	116	110	21-165	0-189	5	0-51	
1,1,2,2-Tetrachloroethane	0.5000	112	109	50-150	33-167	3	0-30	
o-Xylene	0.5000	113	108	22-160	0-183	4	0-48	
Hexachloro-1,3-Butadiene	0.5000	88	85	50-150	33-167	3	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:	12-03-1978
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
099-15-188-4	**Air**	**GC/MS KK**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.5000	98	92	50-150	33-167	7	0-30	
Naphthalene	0.5000	71	67	40-190	15-215	5	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.

Quality Control - LCS/LCS Duplicate

CDM Smith Inc.		Date Received:	N/A
111 Academy		Work Order No:	12-03-1978
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
099-15-188-5	**Air**	**GC/MS KK**	**N/A**	**04/03/12**	**120403L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Dichlorodifluoromethane	0.5000	95	96	50-150	33-167	1	0-30	
Chloromethane	0.5000	90	92	50-150	33-167	1	0-30	
Vinyl Chloride	0.5000	94	91	44-140	28-156	3	0-33	
Chloroethane	0.5000	93	96	50-150	33-167	3	0-30	
Trichlorofluoromethane	0.5000	97	100	50-150	33-167	3	0-30	
1,1-Dichloroethene	0.5000	86	88	50-150	33-167	2	0-30	
Methylene Chloride	0.5000	87	89	50-150	33-167	2	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5000	93	95	50-150	33-167	2	0-30	
t-1,2-Dichloroethene	0.5000	89	90	50-150	33-167	2	0-30	
1,1-Dichloroethane	0.5000	92	93	50-150	33-167	2	0-30	
c-1,2-Dichloroethene	0.5000	88	89	35-165	13-187	2	0-35	
Chloroform	0.5000	88	90	50-150	33-167	2	0-30	
1,2-Dichloroethane	0.5000	90	93	28-166	5-189	3	0-40	
1,2,4-Trimethylbenzene	0.5000	100	96	50-150	33-167	4	0-30	
1,3,5-Trimethylbenzene	0.5000	102	99	50-150	33-167	3	0-30	
4-Ethyltoluene	0.5000	104	101	50-150	33-167	3	0-30	
Chlorobenzene	0.5000	97	94	50-150	33-167	3	0-30	
t-1,3-Dichloropropene	0.5000	91	95	50-150	33-167	4	0-30	
1,1,1-Trichloroethane	0.5000	100	102	50-150	33-167	2	0-30	
1,1-Difluoroethane	0.5000	92	92	50-150	33-167	0	0-30	
Benzene	0.5000	91	92	27-153	6-174	1	0-34	
Carbon Tetrachloride	0.5000	95	99	7-187	0-217	3	0-31	
Bromodichloromethane	0.5000	99	102	50-150	33-167	3	0-30	
1,1,2-Trichloroethane	0.5000	97	100	27-171	3-195	4	0-38	
Toluene	0.5000	92	90	28-154	7-175	3	0-42	
Dibromochloromethane	0.5000	103	100	50-150	33-167	3	0-30	
Trichloroethene	0.5000	81	83	43-139	27-155	2	0-31	
Tetrachloroethene	0.5000	100	96	34-154	14-174	4	0-33	
Ethylbenzene	0.5000	101	95	27-153	6-174	6	0-46	
p/m-Xylene	1.000	106	101	21-165	0-189	5	0-51	
1,1,2,2-Tetrachloroethane	0.5000	105	101	50-150	33-167	4	0-30	
o-Xylene	0.5000	105	101	22-160	0-183	4	0-48	
Hexachloro-1,3-Butadiene	0.5000	82	78	50-150	33-167	5	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:	12-03-1978
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
099-15-188-5	**Air**	**GC/MS KK**	**N/A**	**04/03/12**	**120403L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	0.5000	89	89	50-150	33-167	0	0-30	
Naphthalene	0.5000	64	59	40-190	15-215	9	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: **12-03-1978**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
IAQ-ROP1-032912-K2	-5.00	-29.80	SIM053	Summa Canister 6L
IAQ-TP1-032812-K2	-4.00	-29.80	D917	Summa Canister 6L
IAQ-MS1-032812-K2	-4.00	-29.80	SIM075	Summa Canister 6L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-1978

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: 29 March 2012
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

CLIENT PROJECT NAME / NUMBER: Omega IAQ / 10500
PROJECT ADDRESS:
CITY: Whittier STATE: CA ZIP:
PROJECT CONTACT: Sharon Wallin

P.O.NO.:
LAB CONTACT OR QUOTE NO.
LAB USE ONLY: 12-03-1978

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) NBegay

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: SIM 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-ROP1-032912-K2	ROP1	A	053	6L	FC255	3.29.12	0809	>-30	3.29.12	1418	-5	X
2	IAQ-TP1-032812-K2	TP1	↓	D117	↓	–	3.28.12	0809	>-30	3.28.12	1257	-4	X
3	IAQ-MS1-032812-K2	MS1	↓	075	↓	–	↓	0841	>-30	↓	1642	-4	X
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

Relinquished by: (Signature)	Received by: (Signature) Danny Le CL	Date: 3.29.12	Time: 1737
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 #: 12-03-1978

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: CDM

DATE: 03/29/12

TEMPERATURE: Thermometer ID: SC3 (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.C

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Initial: D.C

☐ 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]

ISVE1- Laboratory Data Reports

AirTECHNOLOGY
Laboratories, Inc.

February 1, 2012

ACLASS ACCREDITED DoD ELAP
ADE-1461
EPA Methods TO-3, TO14A,TO15 SIM & Scan, ASTM D1946

nelac
FL Cert E8784/LA Cert 04140
EPA Methods TO3, TO14A, TO15, 25C/3C, RSK-175
TX Cert T104704450-09-TX
EPA Methods TO14A, TO15

de maximis, inc.
ATTN: Jaime Dinello
1322 Scott St., Suite 104
San Diego, CA 92106

LABORATORY TEST RESULTS

Project Reference: Omega – ISVE System; E742
Lab Number: D011901-01/10

Enclosed are results for sample(s) received 1/19/12 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

PAGE: 1 OF 1

TURNAROUND TIME				DELIVERABLES		Condition upon receipt:		
Standard	■	48 hours	☐	EDD	■	Sealed	Yes ☐	No ☐
Same Day	☐	72 hours	☐	EDF	☐	Intact	Yes ☐	No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Chilled	_____ deg C	
Other:				Level 4	☐			

Project No.:	E742
Project Name:	Omega - ISVE System
Report To:	Jaime Dinello
Company:	de maximis, Inc.
Street:	1322 Scott Street, Suite 104
City/State/Zip:	San Diego, CA 92106
Phone& Fax:	(310) 926-5368
e-mail:	jdinello@demaximis.com

BILLING

P.O. No.:	
Bill to:	de maximis, inc.
	1322 Scott Street, Suite 104
	San Diego, CA 92106

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVA-TION	TO-15 (TAL 2.4)					
D011901-01	OC_SVE_VE-1S_011612	1/16/2012	1145	Summa	Air	No/C	X					
-02	OC_SVE_VE-5S_011612	1/16/2012	1148	Summa	Air	No/C	X					
-03	OC_SVE_VE-6S_011612	1/16/2012	1149	Summa	Air	No/C	X					
-04	OC_SVE_VE-8S_011612	1/16/2012	1147	Summa	Air	No/C	X					
-05	OC_SVE_VE-9S_011612	1/16/2012	1146	Summa	Air	No/C	X					
-06	OC_SVE_VE-10S_011612	1/16/2012	1229	Summa	Air	No/C	X					
-07	OC_SVE_VE-11S_011612	1/16/2012	1228	Summa	Air	No/C	X					
-08	OC_SVE_VE-12S_011612	1/16/2012	1226	Summa	Air	No/C	X					
-09	OC_SVE_VE-14S_011612	1/16/2012	1225	Summa	Air	No/C	X					
-10	OC_SVE_VE-15S_011612	1/16/2012	1227	Summa	Air	No/C	X					

ANALYSIS REQUEST

AUTHORIZATION TO PERFORM WORK: Carlton Hamm Jr	COMPANY: JHA	DATE/TIME: 1/19/12	
SAMPLED BY: Carlton Hamm Jr	COMPANY: JHA	DATE/TIME: (1/16/12) 1/16/12	
RELINQUISHED BY: [signature]	DATE/TIME: 1/19/12 1155	RECEIVED BY: [signature]	DATE/TIME: 1/19/12 1155
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

COMMENTS

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other_____

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCl **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other *Rev. 03 - 5/7/09*

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	D011901-01			D011901-02			D011901-03			D011901-04		
Client Sample I.D.:	OC_SVE_VE-1S_011612			OC_SVE_VE-5S_011612			OC_SVE_VE-6S_011612			OC_SVE_VE-8S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.1			2.1			2.0			2.1		
ANALYTE	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv
Dichlorodifluoromethane (12)	0.72 J	2.1	0.13	0.66 J	2.1	0.13	0.66 J	2.0	0.12	0.67 J	2.1	0.13
Chloromethane	ND	4.2	0.70	0.83 J	4.2	0.70	ND	4.0	0.67	ND	4.1	0.69
1,2-Cl-1,1,2,2-F ethane (114)	ND	2.1	0.27	ND	2.1	0.27	ND	2.0	0.26	ND	2.1	0.27
Vinyl Chloride	ND	2.1	0.47	ND	2.1	0.47	ND	2.0	0.45	ND	2.1	0.46
Bromomethane	ND	2.1	0.73	ND	2.1	0.73	ND	2.0	0.70	ND	2.1	0.71
Chloroethane	ND	2.1	1.6	ND	2.1	1.6	ND	2.0	1.5	ND	2.1	1.5
Trichlorofluoromethane (11)	4.1	2.1	0.86	ND	2.1	0.86	ND	2.0	0.83	ND	2.1	0.84
1,1-Dichloroethene	76	2.1	0.23	0.48 J	2.1	0.23	ND	2.0	0.22	ND	2.1	0.22
Carbon Disulfide	ND	11	0.31	ND	11	0.31	ND	10	0.30	ND	10	0.31
1,1,2-Cl 1,2,2-F ethane (113)	6.3	2.1	0.48	ND	2.1	0.48	ND	2.0	0.46	ND	2.1	0.47
Acetone	26	11	0.66	5.4 J	11	0.66	17	10	0.63	6.6 J	10	0.65
Methylene Chloride	ND	2.1	0.41	ND	2.1	0.41	ND	2.0	0.40	ND	2.1	0.40
t-1,2-Dichloroethene	ND	2.1	0.34	ND	2.1	0.34	ND	2.0	0.33	ND	2.1	0.33
1,1-Dichloroethane	ND	2.1	0.25	ND	2.1	0.25	ND	2.0	0.24	ND	2.1	0.24
Vinyl Acetate	ND	11	0.37	ND	11	0.37	ND	10	0.35	ND	10	0.36
c-1,2-Dichloroethene	0.74 J	2.1	0.46	ND	2.1	0.46	ND	2.0	0.44	ND	2.1	0.45
2-Butanone	7.2	2.1	0.53	ND	2.1	0.53	ND	2.0	0.51	ND	2.1	0.52
t-Butyl Methyl Ether (MTBE)	ND	2.1	0.42	ND	2.1	0.42	ND	2.0	0.40	ND	2.1	0.41
Chloroform	0.53 J	2.1	0.29	ND	2.1	0.29	ND	2.0	0.28	ND	2.1	0.29
1,1,1-Trichloroethane	ND	2.1	0.24	ND	2.1	0.24	ND	2.0	0.23	ND	2.1	0.23
Carbon Tetrachloride	ND	2.1	0.24	ND	2.1	0.24	ND	2.0	0.23	ND	2.1	0.24
Benzene	0.55 J	2.1	0.41	0.56 J	2.1	0.41	0.46 J	2.0	0.40	0.46 J	2.1	0.41
1,2-Dichloroethane	ND	2.1	0.55	ND	2.1	0.55	ND	2.0	0.53	ND	2.1	0.54
Trichloroethene	25	2.1	0.33	ND	2.1	0.33	ND	2.0	0.31	ND	2.1	0.32
1,2-Dichloropropane	ND	2.1	0.27	ND	2.1	0.27	ND	2.0	0.26	ND	2.1	0.26
Bromodichloromethane	ND	2.1	0.32	ND	2.1	0.32	ND	2.0	0.30	ND	2.1	0.31
c-1,3-Dichloropropene	ND	2.1	0.47	ND	2.1	0.47	ND	2.0	0.46	ND	2.1	0.46
4-Methyl-2-Pentanone	ND	2.1	0.12	ND	2.1	0.12	ND	2.0	0.12	ND	2.1	0.12
Toluene	0.99 J	2.1	0.34	0.77 J	2.1	0.34	0.50 J	2.0	0.33	0.70 J	2.1	0.34
t-1,3-Dichloropropene	ND	2.1	0.56	ND	2.1	0.56	ND	2.0	0.53	ND	2.1	0.54
1,1,2-Trichloroethane	ND	2.1	0.43	ND	2.1	0.43	ND	2.0	0.41	ND	2.1	0.42
Tetrachloroethene	110	2.1	0.44	1.3 J	2.1	0.44	ND	2.0	0.42	ND	2.1	0.43
2-Hexanone	0.57 J	2.1	0.30	ND	2.1	0.30	ND	2.0	0.29	ND	2.1	0.29
Dibromochloromethane	ND	2.1	0.36	ND	2.1	0.36	ND	2.0	0.35	ND	2.1	0.36
1,2-Dibromoethane	ND	2.1	0.28	ND	2.1	0.28	ND	2.0	0.27	ND	2.1	0.27
Chlorobenzene	ND	2.1	0.30	ND	2.1	0.30	ND	2.0	0.29	ND	2.1	0.30

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ◆ City of Industry, CA 91748 ◆ Ph: (626) 964-4032 ◆ Fx: (626) 964-5832

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	D011901-01			D011901-02			D011901-03			D011901-04		
Client Sample I.D.:	OC_SVE_VE-1S_011612			OC_SVE_VE-5S_011612			OC_SVE_VE-6S_011612			OC_SVE_VE-8S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.1			2.1			2.0			2.1		
ANALYTE	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv
Ethylbenzene	0.20 J	2.1	0.076	ND	2.1	0.076	ND	2.0	0.073	ND	2.1	0.074
p,&m-Xylene	1.2 J	2.1	0.48	0.69 J	2.1	0.48	ND	2.0	0.46	0.48 J	2.1	0.47
o-Xylene	0.47 J	2.1	0.29	ND	2.1	0.29	ND	2.0	0.28	ND	2.1	0.28
Isopropanol	ND	11	4.8	ND	11	4.8	ND	10	4.6	ND	10	4.7
n-Hexane	ND	11	1.8	ND	11	1.8	ND	10	1.7	ND	10	1.8
1,4-Dioxane	ND	11	2.4	ND	11	2.4	ND	10	2.3	ND	10	2.3
Total VOC's	260			11			19			8.9		

Surrogate	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	94%	70-130%	92%	70-130%	96%	70-130%	97%	70-130%
Toluene-d8	92%	70-130%	94%	70-130%	93%	70-130%	95%	70-130%
4-Bromofluorobenzene	99%	70-130%	97%	70-130%	90%	70-130%	86%	70-130%

Table 2-4

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeds QC Criteria

Reviewed/Approved By: _____ Date 1-31-12
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	D011901-05			D011901-06			D011901-07			D011901-08		
Client Sample I.D.:	OC_SVE_VE-9S_011612			OC_SVE_VE-10S_011612			OC_SVE_VE-11S_011612			OC_SVE_VE-12S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.0			2.2			2.1			2.1		
ANALYTE	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv
Dichlorodifluoromethane (12)	0.63 J	2.0	0.12	0.59 J	2.2	0.13	0.72 J	2.1	0.13	0.67 J	2.1	0.13
Chloromethane	0.85 J	4.0	0.67	0.96 J	4.4	0.73	ND	4.1	0.69	0.76 J	4.1	0.69
1,2-Cl-1,1,2,2-F ethane (114)	ND	2.0	0.26	ND	2.2	0.28	ND	2.1	0.27	ND	2.1	0.27
Vinyl Chloride	ND	2.0	0.45	ND	2.2	0.49	ND	2.1	0.46	ND	2.1	0.46
Bromomethane	ND	2.0	0.70	ND	2.2	0.76	ND	2.1	0.71	ND	2.1	0.71
Chloroethane	ND	2.0	1.5	ND	2.2	1.6	ND	2.1	1.5	ND	2.1	1.5
Trichlorofluoromethane (11)	ND	2.0	0.83	ND	2.2	0.90	11	2.1	0.84	ND	2.1	0.84
1,1-Dichloroethene	0.61 J	2.0	0.22	ND	2.2	0.24	64	2.1	0.22	ND	2.1	0.22
Carbon Disulfide	ND	10	0.30	ND	11	0.33	ND	10	0.31	ND	10	0.31
1,1,2-Cl 1,2,2-F ethane (113)	0.70 J	2.0	0.46	ND	2.2	0.51	46	2.1	0.47	ND	2.1	0.47
Acetone	8.4 J	10	0.63	15	11	0.69	14	10	0.65	13	10	0.65
Methylene Chloride	ND	2.0	0.40	ND	2.2	0.43	1.4 J	2.1	0.40	ND	2.1	0.40
t-1,2-Dichloroethene	ND	2.0	0.33	ND	2.2	0.36	ND	2.1	0.33	ND	2.1	0.33
1,1-Dichloroethane	ND	2.0	0.24	ND	2.2	0.26	1.0 J	2.1	0.24	ND	2.1	0.24
Vinyl Acetate	ND	10	0.35	ND	11	0.38	ND	10	0.36	ND	10	0.36
c-1,2-Dichloroethene	ND	2.0	0.44	ND	2.2	0.48	ND	2.1	0.45	ND	2.1	0.45
2-Butanone	ND	2.0	0.51	ND	2.2	0.56	ND	2.1	0.52	ND	2.1	0.52
t-Butyl Methyl Ether (MTBE)	ND	2.0	0.40	ND	2.2	0.44	ND	2.1	0.41	ND	2.1	0.41
Chloroform	ND	2.0	0.28	ND	2.2	0.31	9.5	2.1	0.29	ND	2.1	0.29
1,1,1-Trichloroethane	ND	2.0	0.23	ND	2.2	0.25	ND	2.1	0.23	ND	2.1	0.23
Carbon Tetrachloride	ND	2.0	0.23	ND	2.2	0.25	ND	2.1	0.24	ND	2.1	0.24
Benzene	0.51 J	2.0	0.40	1.1 J	2.2	0.43	0.55 J	2.1	0.41	0.91 J	2.1	0.41
1,2-Dichloroethane	ND	2.0	0.53	ND	2.2	0.58	3.7	2.1	0.54	ND	2.1	0.54
Trichloroethene	ND	2.0	0.31	ND	2.2	0.34	30	2.1	0.32	ND	2.1	0.32
1,2-Dichloropropane	ND	2.0	0.26	ND	2.2	0.28	ND	2.1	0.26	ND	2.1	0.26
Bromodichloromethane	ND	2.0	0.30	ND	2.2	0.33	ND	2.1	0.31	ND	2.1	0.31
c-1,3-Dichloropropene	ND	2.0	0.46	ND	2.2	0.49	ND	2.1	0.46	ND	2.1	0.46
4-Methyl-2-Pentanone	ND	2.0	0.12	ND	2.2	0.13	ND	2.1	0.12	ND	2.1	0.12
Toluene	0.75 J	2.0	0.33	4.0	2.2	0.36	0.60 J	2.1	0.34	2.2	2.1	0.34
t-1,3-Dichloropropene	ND	2.0	0.53	ND	2.2	0.58	ND	2.1	0.54	ND	2.1	0.54
1,1,2-Trichloroethane	ND	2.0	0.41	ND	2.2	0.45	0.61 J	2.1	0.42	ND	2.1	0.42
Tetrachloroethene	1.8 J	2.0	0.42	ND	2.2	0.46	260	2.1	0.43	ND	2.1	0.43
2-Hexanone	ND	2.0	0.29	ND	2.2	0.31	ND	2.1	0.29	ND	2.1	0.29
Dibromochloromethane	ND	2.0	0.35	ND	2.2	0.38	ND	2.1	0.36	ND	2.1	0.36
1,2-Dibromoethane	ND	2.0	0.27	ND	2.2	0.29	ND	2.1	0.27	ND	2.1	0.27
Chlorobenzene	ND	2.0	0.29	ND	2.2	0.32	ND	2.1	0.30	ND	2.1	0.30

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ◆ City of Industry, CA 91748 ◆ Ph: (626) 964-4032 ◆ Fx: (626) 964-5832

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	D011901-05			D011901-06			D011901-07			D011901-08		
Client Sample I.D.:	OC_SVE_VE-9S_011612			OC_SVE_VE-10S_011612			OC_SVE_VE-11S_011612			OC_SVE_VE-12S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.0			2.2			2.1			2.1		
ANALYTE	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv
Ethylbenzene	ND	2.0	0.073	0.62 J	2.2	0.079	ND	2.1	0.074	0.46 J	2.1	0.074
p,&m-Xylene	ND	2.0	0.46	3.8	2.2	0.50	ND	2.1	0.47	2.3	2.1	0.47
o-Xylene	ND	2.0	0.28	1.6 J	2.2	0.30	ND	2.1	0.28	0.92 J	2.1	0.28
Isopropanol	ND	10	4.6	ND	11	5.0	ND	10	4.7	ND	10	4.7
n-Hexane	ND	10	1.7	ND	11	1.9	ND	10	1.8	ND	10	1.8
1,4-Dioxane	ND	10	2.3	ND	11	2.5	ND	10	2.3	ND	10	2.3
Total VOC's	14			28			440			21		

Surrogate	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	95%	70-130%	97%	70-130%	100%	70-130%	94%	70-130%
Toluene-d8	94%	70-130%	99%	70-130%	89%	70-130%	94%	70-130%
4-Bromofluorobenzene	93%	70-130%	93%	70-130%	89%	70-130%	87%	70-130%

Table 2-4

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeds QC Criteria

Reviewed/Approved By: Mark Johnson
Operations Manager

Date 1-31-12

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ◆ City of Industry, CA 91748 ◆ Ph: (626) 964-4032 ◆ Fx: (626) 964-5832

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	D011901-09			D011901-10		
Client Sample I.D.:	OC_SVE_VE-14S_011612			OC_SVE_VE-15S_011612		
Date Sampled:	01/16/12			01/16/12		
Date Analyzed:	01/27/12			01/27/12		
QC Batch No.:	120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT		
Dilution Factor:	2.1			2.0		
ANALYTE	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv
Dichlorodifluoromethane (12)	0.71 J	2.1	0.13	0.64 J	2.0	0.12
Chloromethane	0.91 J	4.2	0.70	ND	4.0	0.67
1,2-Cl-1,1,2,2-F ethane (114)	ND	2.1	0.27	ND	2.0	0.26
Vinyl Chloride	ND	2.1	0.47	ND	2.0	0.45
Bromomethane	ND	2.1	0.73	ND	2.0	0.70
Chloroethane	ND	2.1	1.6	ND	2.0	1.5
Trichlorofluoromethane (11)	1.4 J	2.1	0.86	3.1	2.0	0.83
1,1-Dichloroethene	ND	2.1	0.23	22	2.0	0.22
Carbon Disulfide	ND	11	0.31	ND	10	0.30
1,1,2-Cl 1,2,2-F ethane (113)	2.4	2.1	0.48	4.9	2.0	0.46
Acetone	14	11	0.66	16	10	0.63
Methylene Chloride	ND	2.1	0.41	ND	2.0	0.40
t-1,2-Dichloroethene	ND	2.1	0.34	ND	2.0	0.33
1,1-Dichloroethane	ND	2.1	0.25	ND	2.0	0.24
Vinyl Acetate	ND	11	0.37	ND	10	0.35
c-1,2-Dichloroethene	ND	2.1	0.46	ND	2.0	0.44
2-Butanone	3.8	2.1	0.53	ND	2.0	0.51
t-Butyl Methyl Ether (MTBE)	3.3	2.1	0.42	ND	2.0	0.40
Chloroform	ND	2.1	0.29	0.41 J	2.0	0.28
1,1,1-Trichloroethane	0.91 J	2.1	0.24	ND	2.0	0.23
Carbon Tetrachloride	ND	2.1	0.24	ND	2.0	0.23
Benzene	7.0	2.1	0.41	0.74 J	2.0	0.40
1,2-Dichloroethane	ND	2.1	0.55	ND	2.0	0.53
Trichloroethene	2.2	2.1	0.33	44	2.0	0.31
1,2-Dichloropropane	ND	2.1	0.27	ND	2.0	0.26
Bromodichloromethane	ND	2.1	0.32	ND	2.0	0.30
c-1,3-Dichloropropene	ND	2.1	0.47	ND	2.0	0.46
4-Methyl-2-Pentanone	ND	2.1	0.12	ND	2.0	0.12
Toluene	39	2.1	0.34	2.7	2.0	0.33
t-1,3-Dichloropropene	ND	2.1	0.56	ND	2.0	0.53
1,1,2-Trichloroethane	ND	2.1	0.43	ND	2.0	0.41
Tetrachloroethene	3.5	2.1	0.44	49	2.0	0.42
2-Hexanone	ND	2.1	0.30	ND	2.0	0.29
Dibromochloromethane	ND	2.1	0.36	ND	2.0	0.35
1,2-Dibromoethane	ND	2.1	0.28	ND	2.0	0.27
Chlorobenzene	ND	2.1	0.30	ND	2.0	0.29

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Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	D011901-09			D011901-10		
Client Sample I.D.:	OC_SVE_VE-14S_011612			OC_SVE_VE-15S_011612		
Date Sampled:	01/16/12			01/16/12		
Date Analyzed:	01/27/12			01/27/12		
QC Batch No.:	120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT		
Dilution Factor:	2.1			2.0		
ANALYTE	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv
Ethylbenzene	6.0	2.1	0.076	0.53 J	2.0	0.073
p,&m-Xylene	45	2.1	0.48	3.3	2.0	0.46
o-Xylene	16	2.1	0.29	1.3 J	2.0	0.28
Isopropanol	ND	11	4.8	ND	10	4.6
n-Hexane	ND	11	1.8	ND	10	1.7
1,4-Dioxane	ND	11	2.4	ND	10	2.3
Total VOC's	150			150		

Surrogate	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	97%	70-130%	97%	70-130%
Toluene-d8	99%	70-130%	95%	70-130%
4-Bromofluorobenzene	93%	70-130%	90%	70-130%

Table 2-4

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeds QC Criteria

Reviewed/Approved By: _____ Date 1-31-12
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

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Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	D011901-01			D011901-02			D011901-03			D011901-04		
Client Sample I.D.:	OC_SVE_VE-1S_011612			OC_SVE_VE-5S_011612			OC_SVE_VE-6S_011612			OC_SVE_VE-8S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.1			2.1			2.0			2.1		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	3.5 J	10	0.63	3.3 J	10	0.63	3.3 J	10.0	0.61	3.3 J	10	0.62
Chloromethane	ND	8.7	1.4	1.7 J	8.7	1.4	ND	8.4	1.4	ND	8.5	1.4
1,2-Cl-1,1,2,2-F ethane (114)	ND	15	1.9	ND	15	1.9	ND	14	1.8	ND	14	1.9
Vinyl Chloride	ND	5.4	1.2	ND	5.4	1.2	ND	5.2	1.1	ND	5.3	1.2
Bromomethane	ND	8.2	2.8	ND	8.2	2.8	ND	7.9	2.7	ND	8.0	2.8
Chloroethane	ND	5.6	4.1	ND	5.6	4.1	ND	5.3	4.0	ND	5.4	4.0
Trichlorofluoromethane (11)	23	12	4.8	ND	12	4.8	ND	11	4.6	ND	12	4.7
1,1-Dichloroethene	300	8.4	0.90	1.9 J	8.4	0.90	ND	8.0	0.87	ND	8.2	0.88
Carbon Disulfide	ND	33	0.97	ND	33	0.97	ND	31	0.93	ND	32	0.95
1,1,2-Cl 1,2,2-F ethane (113)	48	16	3.7	ND	16	3.7	ND	15	3.6	ND	16	3.6
Acetone	62	25	1.6	13 J	25	1.6	40	24	1.5	16 J	25	1.5
Methylene Chloride	ND	7.3	1.4	ND	7.3	1.4	ND	7.0	1.4	ND	7.2	1.4
t-1,2-Dichloroethene	ND	8.4	1.4	ND	8.4	1.4	ND	8.0	1.3	ND	8.2	1.3
1,1-Dichloroethane	ND	8.5	1.0	ND	8.5	1.0	ND	8.2	0.97	ND	8.3	0.99
Vinyl Acetate	ND	37	1.3	ND	37	1.3	ND	36	1.2	ND	36	1.3
c-1,2-Dichloroethene	2.9 J	8.4	1.8	ND	8.4	1.8	ND	8.0	1.8	ND	8.2	1.8
2-Butanone	21	6.2	1.6	ND	6.2	1.6	ND	6.0	1.5	ND	6.1	1.5
t-Butyl Methyl Ether (MTBE)	ND	7.6	1.5	ND	7.6	1.5	ND	7.3	1.4	ND	7.4	1.5
Chloroform	2.6 J	10	1.4	ND	10	1.4	ND	9.9	1.4	ND	10	1.4
1,1,1-Trichloroethane	ND	11	1.3	ND	11	1.3	ND	11	1.3	ND	11	1.3
Carbon Tetrachloride	ND	13	1.5	ND	13	1.5	ND	13	1.5	ND	13	1.5
Benzene	1.7 J	6.7	1.3	1.8 J	6.7	1.3	1.5 J	6.5	1.3	1.5 J	6.6	1.3
1,2-Dichloroethane	ND	8.5	2.2	ND	8.5	2.2	ND	8.2	2.1	ND	8.3	2.2
Trichloroethene	140	11	1.8	ND	11	1.8	ND	11	1.7	ND	11	1.7
1,2-Dichloropropane	ND	9.7	1.2	ND	9.7	1.2	ND	9.3	1.2	ND	9.5	1.2
Bromodichloromethane	ND	14	2.1	ND	14	2.1	ND	14	2.0	ND	14	2.1
c-1,3-Dichloropropene	ND	9.6	2.2	ND	9.6	2.2	ND	9.2	2.1	ND	9.4	2.1
4-Methyl-2-Pentanone	ND	8.6	0.50	ND	8.6	0.50	ND	8.3	0.48	ND	8.5	0.49
Toluene	3.7 J	7.9	1.3	2.9 J	7.9	1.3	1.9 J	7.6	1.2	2.6 J	7.8	1.3
t-1,3-Dichloropropene	ND	9.6	2.5	ND	9.6	2.5	ND	9.2	2.4	ND	9.4	2.5
1,1,2-Trichloroethane	ND	11	2.4	ND	11	2.4	ND	11	2.3	ND	11	2.3
Tetrachloroethene	780	14	3.0	8.5 J	14	3.0	ND	14	2.9	ND	14	2.9
2-Hexanone	2.3 J	8.6	1.2	ND	8.6	1.2	ND	8.3	1.2	ND	8.5	1.2
Dibromochloromethane	ND	18	3.1	ND	18	3.1	ND	17	3.0	ND	18	3.0
1,2-Dibromoethane	ND	16	2.1	ND	16	2.1	ND	16	2.0	ND	16	2.1
Chlorobenzene	ND	9.7	1.4	ND	9.7	1.4	ND	9.3	1.3	ND	9.5	1.4

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	D011901-01			D011901-02			D011901-03			D011901-04		
Client Sample I.D.:	OC_SVE_VE-1S_011612			OC_SVE_VE-5S_011612			OC_SVE_VE-6S_011612			OC_SVE_VE-8S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.1			2.1			2.0			2.1		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Ethylbenzene	0.89 J	9.1	0.33	ND	9.1	0.33	ND	8.8	0.32	ND	9.0	0.32
p,&m-Xylene	5.3 J	9.1	2.1	3.0 J	9.1	2.1	ND	8.8	2.0	2.1 J	9.0	2.0
o-Xylene	2.1 J	9.1	1.3	ND	9.1	1.3	ND	8.8	1.2	ND	9.0	1.2
Isopropanol	ND	26	12	ND	26	12	ND	25	11	ND	25	12
n-Hexane	ND	37	6.4	ND	37	6.4	ND	36	6.1	ND	36	6.3
1,4-Dioxane	ND	38	8.5	ND	38	8.5	ND	36	8.2	ND	37	8.3
Total VOC's	1,400			36			47			26		

Surrogate	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	94%	70-130%	92%	70-130%	96%	70-130%	97%	70-130%
Toluene-d8	92%	70-130%	94%	70-130%	93%	70-130%	95%	70-130%
4-Bromofluorobenzene	99%	70-130%	97%	70-130%	90%	70-130%	86%	70-130%

Table 2-4

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeds QC Criteria

Reviewed/Approved By: _____ Date 1-31-12
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	D011901-05			D011901-06			D011901-07			D011901-08		
Client Sample I.D.:	OC_SVE_VE-9S_011612			OC_SVE_VE-10S_011612			OC_SVE_VE-11S_011612			OC_SVE_VE-12S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.0			2.2			2.1			2.1		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	3.1 J	10.0	0.61	2.9 J	11	0.66	3.6 J	10	0.62	3.3 J	10	0.62
Chloromethane	1.8 J	8.4	1.4	2.0 J	9.1	1.5	ND	8.5	1.4	1.6 J	8.5	1.4
1,2-Cl-1,1,2,2-F ethane (114)	ND	14	1.8	ND	15	2.0	ND	14	1.9	ND	14	1.9
Vinyl Chloride	ND	5.2	1.1	ND	5.6	1.2	ND	5.3	1.2	ND	5.3	1.2
Bromomethane	ND	7.9	2.7	ND	8.5	3.0	ND	8.0	2.8	ND	8.0	2.8
Chloroethane	ND	5.3	4.0	ND	5.8	4.3	ND	5.4	4.0	ND	5.4	4.0
Trichlorofluoromethane (11)	ND	11	4.6	ND	12	5.1	64	12	4.7	ND	12	4.7
1,1-Dichloroethene	2.4 J	8.0	0.87	ND	8.7	0.94	250	8.2	0.88	ND	8.2	0.88
Carbon Disulfide	ND	31	0.93	ND	34	1.0	ND	32	0.95	ND	32	0.95
1,1,2-Cl 1,2,2-F ethane (113)	5.4 J	15	3.6	ND	17	3.9	360	16	3.6	ND	16	3.6
Acetone	20 J	24	1.5	36	26	1.6	34	25	1.5	31	25	1.5
Methylene Chloride	ND	7.0	1.4	ND	7.6	1.5	4.9 J	7.2	1.4	ND	7.2	1.4
t-1,2-Dichloroethene	ND	8.0	1.3	ND	8.7	1.4	ND	8.2	1.3	ND	8.2	1.3
1,1-Dichloroethane	ND	8.2	0.97	ND	8.9	1.1	4.2 J	8.3	0.99	ND	8.3	0.99
Vinyl Acetate	ND	36	1.2	ND	39	1.3	ND	36	1.3	ND	36	1.3
c-1,2-Dichloroethene	ND	8.0	1.8	ND	8.7	1.9	ND	8.2	1.8	ND	8.2	1.8
2-Butanone	ND	6.0	1.5	ND	6.5	1.6	ND	6.1	1.5	ND	6.1	1.5
t-Butyl Methyl Ether (MTBE)	ND	7.3	1.4	ND	7.9	1.6	ND	7.4	1.5	ND	7.4	1.5
Chloroform	ND	9.9	1.4	ND	11	1.5	46	10	1.4	ND	10	1.4
1,1,1-Trichloroethane	ND	11	1.3	ND	12	1.4	ND	11	1.3	ND	11	1.3
Carbon Tetrachloride	ND	13	1.5	ND	14	1.6	ND	13	1.5	ND	13	1.5
Benzene	1.6 J	6.5	1.3	3.5 J	7.0	1.4	1.8 J	6.6	1.3	2.9 J	6.6	1.3
1,2-Dichloroethane	ND	8.2	2.1	ND	8.9	2.3	15	8.3	2.2	ND	8.3	2.2
Trichloroethene	ND	11	1.7	ND	12	1.8	160	11	1.7	ND	11	1.7
1,2-Dichloropropane	ND	9.3	1.2	ND	10	1.3	ND	9.5	1.2	ND	9.5	1.2
Bromodichloromethane	ND	14	2.0	ND	15	2.2	ND	14	2.1	ND	14	2.1
c-1,3-Dichloropropene	ND	9.2	2.1	ND	10.0	2.2	ND	9.4	2.1	ND	9.4	2.1
4-Methyl-2-Pentanone	ND	8.3	0.48	ND	9.0	0.52	ND	8.5	0.49	ND	8.5	0.49
Toluene	2.8 J	7.6	1.2	15	8.3	1.4	2.3 J	7.8	1.3	8.4	7.8	1.3
t-1,3-Dichloropropene	ND	9.2	2.4	ND	10.0	2.6	ND	9.4	2.5	ND	9.4	2.5
1,1,2-Trichloroethane	ND	11	2.3	ND	12	2.5	3.3 J	11	2.3	ND	11	2.3
Tetrachloroethene	12 J	14	2.9	ND	15	3.1	1,800	14	2.9	ND	14	2.9
2-Hexanone	ND	8.3	1.2	ND	9.0	1.3	ND	8.5	1.2	ND	8.5	1.2
Dibromochloromethane	ND	17	3.0	ND	19	3.2	ND	18	3.0	ND	18	3.0
1,2-Dibromoethane	ND	16	2.0	ND	17	2.2	ND	16	2.1	ND	16	2.1
Chlorobenzene	ND	9.3	1.3	ND	10	1.5	ND	9.5	1.4	ND	9.5	1.4

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Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	D011901-05			D011901-06			D011901-07			D011901-08		
Client Sample I.D.:	OC_SVE_VE-9S_011612			OC_SVE_VE-10S_011612			OC_SVE_VE-11S_011612			OC_SVE_VE-12S_011612		
Date Sampled:	01/16/12			01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/26/12			01/26/12			01/26/12			01/26/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT			DT			DT		
Dilution Factor:	2.0			2.2			2.1			2.1		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Ethylbenzene	ND	8.8	0.32	2.7 J	9.5	0.34	ND	9.0	0.32	2.0 J	9.0	0.32
p,&m-Xylene	ND	8.8	2.0	16	9.5	2.2	ND	9.0	2.0	9.8	9.0	2.0
o-Xylene	ND	8.8	1.2	6.9 J	9.5	1.3	ND	9.0	1.2	4.0 J	9.0	1.2
Isopropanol	ND	25	11	ND	27	12	ND	25	12	ND	25	12
n-Hexane	ND	36	6.1	ND	39	6.7	ND	36	6.3	ND	36	6.3
1,4-Dioxane	ND	36	8.2	ND	40	8.9	ND	37	8.3	ND	37	8.3
Total VOC's	49			85			2,700			63		

Surrogate	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	95%	70-130%	97%	70-130%	100%	70-130%	94%	70-130%
Toluene-d8	94%	70-130%	99%	70-130%	89%	70-130%	94%	70-130%
4-Bromofluorobenzene	93%	70-130%	93%	70-130%	89%	70-130%	87%	70-130%

Table 2-4

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeds QC Criteria

Reviewed/Approved By: _____ Date 1-31-12
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	D011901-09			D011901-10		
Client Sample I.D.:	OC_SVE_VE-14S_011612			OC_SVE_VE-15S_011612		
Date Sampled:	01/16/12			01/16/12		
Date Analyzed:	01/27/12			01/27/12		
QC Batch No.:	120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT		
Dilution Factor:	2.1			2.0		
ANALYTE	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**
Dichlorodifluoromethane (12)	3.5 J	10	0.63	3.1 J	10.0	0.61
Chloromethane	1.9 J	8.7	1.4	ND	8.4	1.4
1,2-Cl-1,1,2,2-F ethane (114)	ND	15	1.9	ND	14	1.8
Vinyl Chloride	ND	5.4	1.2	ND	5.2	1.1
Bromomethane	ND	8.2	2.8	ND	7.9	2.7
Chloroethane	ND	5.6	4.1	ND	5.3	4.0
Trichlorofluoromethane (11)	8.1 J	12	4.8	17	11	4.6
1,1-Dichloroethene	ND	8.4	0.90	86	8.0	0.87
Carbon Disulfide	ND	33	0.97	ND	31	0.93
1,1,2-Cl 1,2,2-F ethane (113)	18	16	3.7	37	15	3.6
Acetone	34	25	1.6	38	24	1.5
Methylene Chloride	ND	7.3	1.4	ND	7.0	1.4
t-1,2-Dichloroethene	ND	8.4	1.4	ND	8.0	1.3
1,1-Dichloroethane	ND	8.5	1.0	ND	8.2	0.97
Vinyl Acetate	ND	37	1.3	ND	36	1.2
c-1,2-Dichloroethene	ND	8.4	1.8	ND	8.0	1.8
2-Butanone	11	6.2	1.6	ND	6.0	1.5
t-Butyl Methyl Ether (MTBE)	12	7.6	1.5	ND	7.3	1.4
Chloroform	ND	10	1.4	2.0 J	9.9	1.4
1,1,1-Trichloroethane	5.0 J	11	1.3	ND	11	1.3
Carbon Tetrachloride	ND	13	1.5	ND	13	1.5
Benzene	22	6.7	1.3	2.4 J	6.5	1.3
1,2-Dichloroethane	ND	8.5	2.2	ND	8.2	2.1
Trichloroethene	12	11	1.8	240	11	1.7
1,2-Dichloropropane	ND	9.7	1.2	ND	9.3	1.2
Bromodichloromethane	ND	14	2.1	ND	14	2.0
c-1,3-Dichloropropene	ND	9.6	2.2	ND	9.2	2.1
4-Methyl-2-Pentanone	ND	8.6	0.50	ND	8.3	0.48
Toluene	150	7.9	1.3	10	7.6	1.2
t-1,3-Dichloropropene	ND	9.6	2.5	ND	9.2	2.4
1,1,2-Trichloroethane	ND	11	2.4	ND	11	2.3
Tetrachloroethene	24	14	3.0	330	14	2.9
2-Hexanone	ND	8.6	1.2	ND	8.3	1.2
Dibromochloromethane	ND	18	3.1	ND	17	3.0
1,2-Dibromoethane	ND	16	2.1	ND	16	2.0
Chlorobenzene	ND	9.7	1.4	ND	9.3	1.3

18501 E. Gale Avenue, Suite 130 ◆ City of Industry, CA 91748 ◆ Ph: (626) 964-4032 ◆ Fx: (626) 964-5832

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	D011901-09			D011901-10		
Client Sample I.D.:	OC_SVE_VE-14S_011612			OC_SVE_VE-15S_011612		
Date Sampled:	01/16/12			01/16/12		
Date Analyzed:	01/27/12			01/27/12		
QC Batch No.:	120126MS2A1			120126MS2A1		
Analyst Initials:	DT			DT		
Dilution Factor:	2.1			2.0		
ANALYTE	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**	**Result ug/m3**	**RL ug/m3**	**MDL ug/m3**
Ethylbenzene	26	9.1	0.33	2.3 J	8.8	0.32
p,&m-Xylene	200	9.1	2.1	14	8.8	2.0
o-Xylene	70	9.1	1.3	5.8 J	8.8	1.2
Isopropanol	ND	26	12	ND	25	11
n-Hexane	ND	37	6.4	ND	36	6.1
1,4-Dioxane	ND	38	8.5	ND	36	8.2
Total VOC's	600			790		

Surrogate	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	97%	70-130%	97%	70-130%
Toluene-d8	99%	70-130%	95%	70-130%
4-Bromofluorobenzene	93%	70-130%	90%	70-130%

Table 2-4

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeds QC Criteria

Reviewed/Approved By: _____ Date 1-31-12
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 120126MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/26/12		01/26/12		01/26/12						
Data File ID:	26JAN011.D		26JAN009.D		26JAN010.D						
Analyst Initials:	DT		DT		DT						
Dilution Factor:	0.2		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.3	83	8.5	85	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.0	90	9.0	90	0.8	70	130	30	Pass
Trichloroethene	0.0	10.0	9.2	92	8.9	89	3.7	70	130	30	Pass
Toluene	0.0	10.0	8.8	88	8.6	86	2.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.3	83	8.0	80	3.6	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: _____ Date: 1-31-12

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

GC/MS QA-QC Check Report

Tune File : D:\GCMSB\120123\26JAN007.D
Tune Time : 26 Jan 2012 8:40

Daily Calibration File : D:\GCMSB\120123\26JAN008.D

					Daily cali. I.S. response		
					58955	256730	163855
File	Sample	Surrogate Recovery %			Internal Standard Responses		
26JAN009	LCS	99	99	107	62398	253086	171359
26JAN010	LCSD	93	98	113	61493	263250	176614
26JAN011	METHOD BLANK	98	96	90	59202	248909	166591
26JAN022	D011901-01 d	94	92	99	62209	270859	172302
26JAN023	D011901-02 d	92	94	97	61472	270566	172607
26JAN024	D011901-03 d	96	93	90	59197	256189	154936
26JAN025	D011901-04 d	97	95	86	58535	248938	163193
26JAN026	D011901-05 d	95	94	93	59222	250321	160001
26JAN027	D011901-06 d	97	99	93	59351	242609	162338
26JAN028	D011901-07 d	100	89	89	58547	248360	149377
26JAN029	D011901-08 d	94	94	87	56458	247281	163361
26JAN030	D011901-09 d	97	99	93	54953	247334	164030
26JAN031	D011901-10 d	97	95	90	57206	249354	165270

surrogate recovery limits 70-130%
Internal standard response limits 60-140%

t - fails 24hr time check * - fails criteria
Created:Mon Jan 30 11:09:50 2012

Response Factor Report GC/MS 597

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Initial Calibration

Calibration Files
1 =20JAN006.D 5 =20JAN007.D 10 =20JAN002.D
25 =20JAN005.D 100 =20JAN008.D 250 =20JAN009.D

		Compound	1	5	10	25	100	250	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)		Dichlorodifluoromet	6.611	6.062	6.102	5.120	4.726	3.416	5.340	21.91
3)		Chloromethane	1.517	1.434	1.362	1.199	1.141	0.919	1.262	17.38
4)		1,2-Cl-1,1,2,2-F et	5.751	5.362	5.503	4.650	4.184	3.153	4.767	20.60
5)		Vinyl Chloride	1.377	1.479	1.482	1.271	1.241	0.993	1.307	14.07
6)		Bromomethane	1.877	1.419	0.972	1.159	1.263	1.010	1.283	26.02
7)		Chloroethane	1.041	0.978	0.979	0.820	0.795	0.651	0.877	16.79
8)		Trichlorofluorometh	6.451	6.415	6.266	5.399	5.108	3.928	5.594	17.71
9)	M	1,1-Dichloroethene	3.387	3.211	3.218	2.797	2.689	2.093	2.899	16.48
10)		Carbon Disulfide	6.264	6.082	5.100	4.267	4.261	3.306	4.880	23.62
11)		1,1,2-Cl 1,2,2-F et	3.380	3.376	3.333	2.831	2.679	2.055	2.942	17.99
12)		Acetone		3.830	3.533	2.749	2.793	2.127	3.006	22.57
13)	M	Methylene Chloride	1.791	1.672	1.663	1.386	1.369	1.095	1.496	17.31
14)		t-1,2-Dichloroethen	1.557	1.812	1.957	1.708	1.658	1.330	1.670	12.92
15)		1,1-Dichloroethane	3.488	3.540	3.569	3.086	2.884	2.172	3.123	17.35
16)		Vinyl Acetate	3.531	5.430	5.197	5.013	5.532	4.178	4.814	16.44
17)		c-1,2-Dichloroethen	1.910	1.974	1.975	1.753	1.671	1.272	1.759	15.28
18)		2-Butanone	0.388	0.876	0.931	0.820	0.825	0.653	0.749	26.68
19)		t-Butyl Methyl Ethe	5.050	5.110	5.333	4.696	4.765	3.920	4.812	10.30
20)	t	Chloroform	4.480	4.629	4.456	3.912	3.730	2.898	4.018	16.23
21)		1,1,1-Trichloroetha	4.442	4.689	4.549	4.001	4.001	3.174	4.143	13.36
22)		1,1-Dichloropropene	2.726	2.759	2.746	2.479	2.420	1.902	2.506	13.15
23)	t	Carbon Tetrachlorid	4.387	4.353	4.400	3.939	4.104	3.209	4.065	11.26
24)	I	1,4-Difluorobenzene	----------ISTD----------							
25)	T	Benzene	2.123	1.443	1.425	1.218	1.315	1.130	1.442	24.57
26)	S	1,2-Dichloroethane-	0.387	0.408	0.383	0.427	0.490	0.383	0.413	10.05
27)		1,2-Dichloroethane	0.692	0.715	0.732	0.645	0.721	0.601	0.685	7.46
28)	M	Trichloroethene	0.543	0.600	0.603	0.552	0.607	0.530	0.572	6.06
29)		1,2-Dichloropropane	0.439	0.463	0.475	0.419	0.476	0.422	0.449	5.68
30)		Bromodichloromethan	0.928	1.044	1.046	0.944	1.066	0.875	0.984	7.97
31)		Dibromomethane	0.452	0.532	0.519	0.478	0.537	0.451	0.495	7.95
32)		c-1,3-Dichloroprope	0.552	0.659	0.682	0.650	0.812	0.721	0.679	12.64
33)		4-Methyl-2-Pentanon	0.894	0.882	0.885	0.838	0.977	0.850	0.888	5.49
34)	S	Toluene-d8	0.768	0.768	0.756	0.785	0.802	0.816	0.783	2.89
35)	M	Toluene	1.539	1.477	1.524	1.388	1.540	1.318	1.464	6.28
36)	I	Chlorobenzene-d5	----------ISTD----------							
37)		t-1,3-Dichloroprope	0.586	0.854	0.874	0.818	1.030	0.936	0.850	17.58
38)		1,1,2-Trichloroetha	0.874	0.900	0.869	0.744	0.771	0.681	0.807	10.82
39)		1,3-Dichloropropane	1.003	1.112	1.164	0.974	1.077	0.949	1.047	8.07
40)		Tetrachloroethene	1.244	1.193	1.190	0.982	1.027	0.892	1.088	12.95
41)		2-Hexanone	0.367	0.625	0.638	0.590	0.688	0.615	0.587	19.16

(#) = Out of Range

Response Factor Report GC/MS 597

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Initial Calibration

Calibration Files
1 =20JAN006.D 5 =20JAN007.D 10 =20JAN002.D
25 =20JAN005.D 100 =20JAN008.D 250 =20JAN009.D

		Compound	1	5	10	25	100	250	Avg	%RSD
42)		Dibromochloromethan	1.232	1.474	1.469	1.264	1.442	1.264	1.357	8.49
43)	t	1,2-Dibromoethane	1.182	1.332	1.305	1.124	1.239	1.086	1.211	8.13
44)		Chlorobenzene	1.897	1.785	1.772	1.521	1.624	1.440	1.673	10.44
45)		1,1,1,2-Tetrachloro	0.773	0.872	0.899	0.783	0.865	0.769	0.827	7.02
46)	T	Ethylbenzene	2.763	2.798	2.736	2.520	2.645	2.239	2.617	8.03
47)	T	p,&m-Xylene	2.272	2.474	2.223	1.988	2.012	1.543	2.085	15.38
48)	T	o-Xylene	2.344	2.437	2.284	2.070	2.196	1.855	2.197	9.53
49)		Styrene	1.115	1.480	1.423	1.355	1.476	1.320	1.362	10.04
50)		Bromoform	1.062	1.241	1.141	1.041	1.271	1.107	1.144	8.24
51)		Isopropyl benzene	2.383	2.460	2.506	2.341	2.469	2.158	2.386	5.34
52)	M	1,1,2,2-Tetrachloro	1.916	2.060	1.599	1.401	1.530	1.325	1.639	17.74
53)	S	4-Bromofluorobenzen	0.396	0.392	0.383	0.426	0.422	0.447	0.411	5.99
54)		Benzyl Chloride	0.791	1.065	0.863	1.057	1.806	1.732	1.219	36.09
55)		1,2,3-Trichloroprop	0.557	0.564	0.574	0.497	0.552	0.492	0.539	6.61
56)		n-Propyl Benzene	2.520	2.783	2.896	2.747	2.916	2.402	2.711	7.65
57)		Bromobenzene	1.481	1.423	1.490	1.351	1.433	1.187	1.394	8.11
58)		4-Ethyl Toluene	2.526	3.084	2.695	2.501	2.831	2.407	2.674	9.41
59)	T	1,3,5-Trimethylbenz	2.893	3.077	2.535	2.268	2.360	2.011	2.524	15.83
60)		2-Chlorotoluene	2.357	2.515	2.319	2.142	2.175	1.871	2.230	9.93
61)		4-Chlorotoluene	1.864	1.888	1.978	1.824	1.986	1.786	1.888	4.29
62)		tert-Butylbenzene	1.875	2.442	2.397	2.193	2.337	2.057	2.217	9.90
63)		1,2,4-Trimethylbenz	2.562	2.793	2.321	2.165	2.391	2.042	2.379	11.40
64)		sec-Butylbenzene	2.564	2.713	2.638	2.519	2.656	2.261	2.558	6.29
65)		p-Isopropyltoluene	1.757	2.134	2.182	2.082	2.244	1.952	2.059	8.64
66)		1,3-Dichlorobenzene	1.675	1.589	1.308	1.297	1.475	1.298	1.440	11.49
67)		1,4-Dichlorobenzene	1.621	1.512	1.201	1.207	1.426	1.269	1.373	12.67
68)		n-Butylbenzene	1.574	1.853	1.882	1.811	2.029	1.757	1.817	8.28
69)		1,2-Dichlorobenzene	1.475	1.508	1.223	1.210	1.402	1.242	1.344	10.00
70)		1,2-Dibromo-3-chlor	0.256	0.347	0.366	0.370	0.490	0.458	0.381	21.89
71)		1,2,4-Trichlorobenz	0.469	0.482	0.454	0.693	0.981	0.920	0.667	35.60
72)		Hexachlorobutadiene	0.662	0.719	0.515	0.745	0.881	0.787	0.718	17.24

(#) = Out of Range

Response Factor Report GC/MS 597

Method : D:\GCMSB\METHODS\AL120120.M (RTE Integrator)
Title : EPA TO-15(09/27/05),GC Column:RTxVolatiles 0.32mm
Last Update : Mon Jan 23 08:17:27 2012
Response via : Initial Calibration

Calibration Files
1 =20JAN006.D 5 =20JAN007.D 10 =20JAN002.D
25 =20JAN005.D 100 =20JAN008.D 250 =20JAN009.D

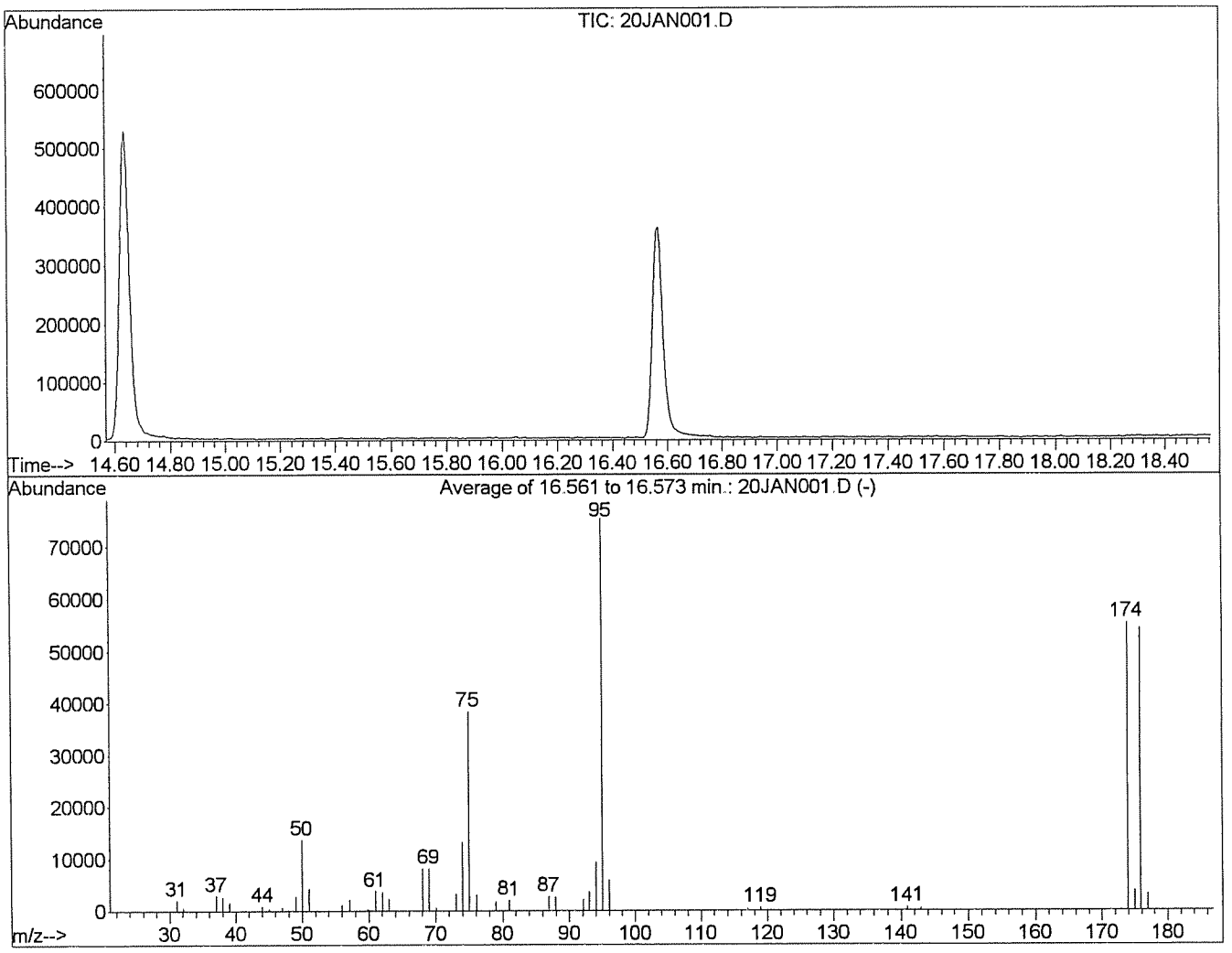
		Compound	1	5	10	25	100	250	Avg	%RSD	
1)	I	Bromochloromethane	---ISTD---								
2)		Propene		1.228	1.266	1.072	1.001	0.778	1.069	18.32	
3)		isobutane		0.037	0.055	0.051	0.052	0.042	0.047	16.33	
4)		1,3-Butadiene	0.841	0.872	0.909	0.773	0.802	0.649	0.808	11.35	
5)		Methanol	3.205	0.609	0.515	0.327	0.303	0.238	0.866	~~133.27~~	N1
6)		Acetaldehyde		0.533	0.437	0.364	0.336	0.268	0.388	26.18	
7)		Ethanol		0.582	0.505	0.462	0.498	0.413	0.492	12.61	
8)		Vinyl Bromide	1.414	1.621	1.582	1.375	1.403	1.139	1.422	12.08	
9)		Isopropanol	3.426	2.791	2.723	2.469	2.630	2.106	2.691	16.17	
10)		Acrolein	0.356	0.510	0.463	0.426	0.502	0.402	0.443	13.50	
11)		t-Butanol	2.027	2.561	2.769	2.553	2.685	2.345	2.490	10.78	
12)		Allyl Chloride	1.672	1.842	1.888	1.804	1.754	1.433	1.732	9.50	
13)		Acrylonitrile		0.814	0.922	0.904	0.962	0.811	0.882	7.66	
14)		t-Butyl methyl ethe	4.935	5.110	5.294	4.697	4.765	3.924	4.788	9.96	
15)		n-Hexane	2.504	2.555	2.722	2.355	2.298	1.827	2.377	12.98	
16)		Isopropyl ether	4.723	4.790	4.975	4.377	4.257	3.257	4.397	14.08	
17)		t-Butyl ethyl ether	1.721	1.973	2.094	1.855	1.909	1.581	1.855	9.83	
18)		Ethyl Acetate		0.443	0.482	0.452	0.425	0.329	0.426	13.64	
19)		2,2-Dichloropropane	2.728	2.773	2.778	2.688	2.833	2.232	2.672	8.28	
20)		Tetrahydrofuran	0.844	0.895	0.888	0.794	0.820	0.666	0.818	10.25	
21)		Cyclohexane	2.429	2.638	2.705	2.404	2.337	1.872	2.397	12.27	
22)		2,2,4-Trimethylpent	7.194	7.607	7.635	6.767	6.378	4.844	6.737	15.55	
23)	I	1,4-Difluorobenzene	---ISTD---								
24)	S	1,2-Dichloroethane-	0.400	0.412	0.419	0.424	0.426	0.385	0.411	3.88	
25)		t-Amyl methyl ether	0.901	0.985	1.034	0.957	1.133	1.032	1.007	7.88	
26)		Heptane	0.370	0.433	0.461	0.408	0.458	0.405	0.422	8.34	
27)		1,4-Dioxane	0.349	0.343	0.312	0.292	0.336	0.291	0.320	8.07	
28)		2-chloroethylvinyle			0.001	0.004	0.005	0.004	0.003	~~51.76~~	NA
29)	S	Toluene-d8	0.768	0.770	0.758	0.777	0.799	0.814	0.781	2.71	
30)		Chlorobenzene-d5	---ISTD---								
31)		Cyclohexanone		0.544	0.646	0.581	0.644	0.585	0.600	7.36	
32)	S	4-Bromofluorobenzen	0.564	0.553	0.550	0.600	0.640	0.744	0.608	12.24	
33)		Dicyclopentadiene		0.019	0.022	0.023	0.023	0.021	0.022	7.55	
34)		Naphthalene		0.888	0.794	1.374	2.064	1.966	1.417	41.61	
35)		1,2,3-Trichlorobenz				0.001	0.005	0.005	0.004	~~64.47~~	NA

(#) = Out of Range

BFB

Data File : D:\GCMSB\120116\20JAN001.D
Acq On : 20 Jan 2012 8:32
Sample : BFB
Misc : 150ML
MS Integration Params: RTEINT.P
Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm

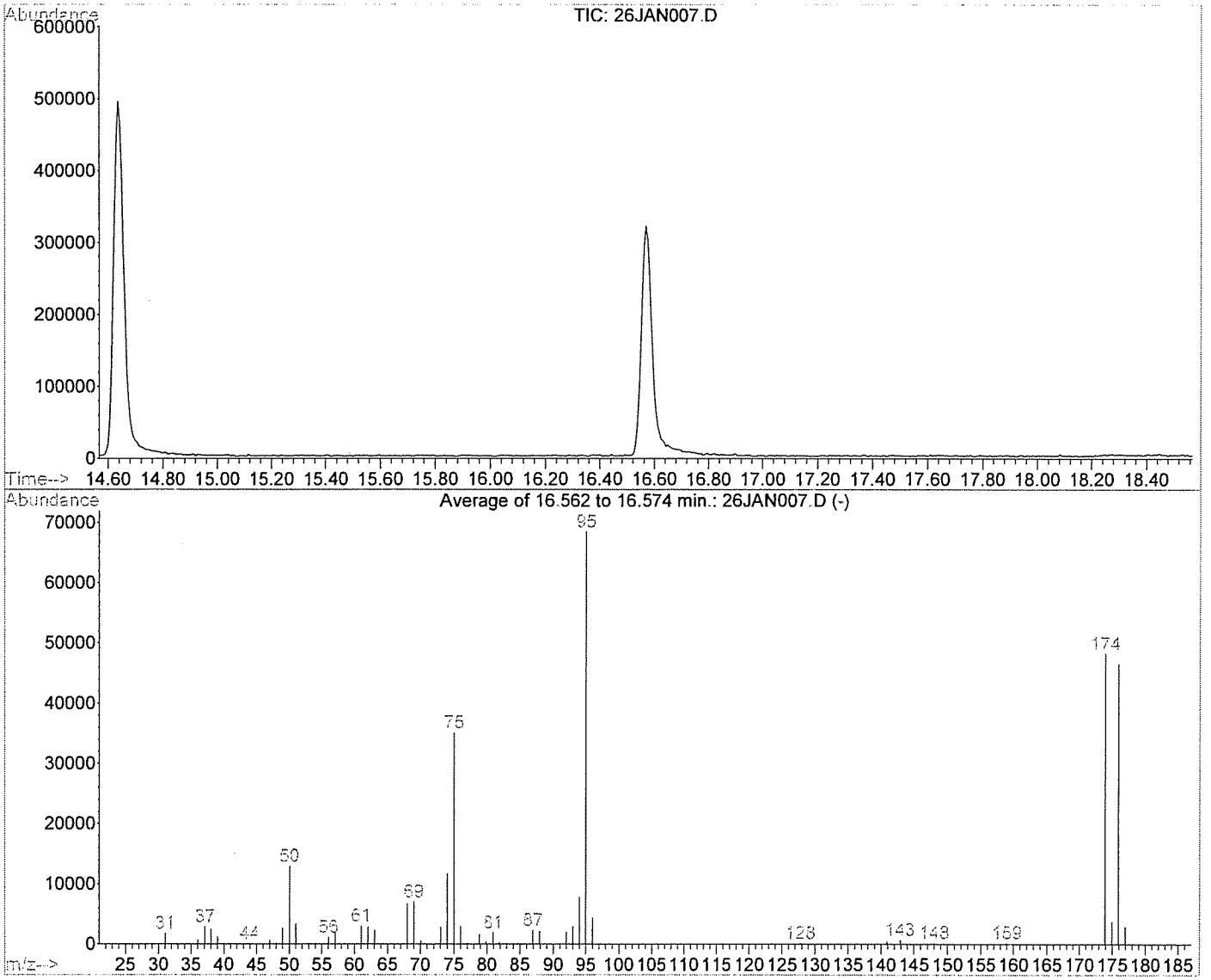
Vial: 4
Operator: DT
Inst : GC/MS 597
Multiplr: 1.00



AutoFind: Scans 2201, 2202, 2203; Background Corrected with Scan 2190

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	13711	PASS
75	95	30	60	50.9	38352	PASS
95	95	100	100	100.0	75373	PASS
96	95	5	9	7.8	5887	PASS
173	174	0.00	2	0.3	171	PASS
174	95	50	100	73.4	55325	PASS
175	174	5	9	7.0	3885	PASS
176	174	95	101	98.3	54365	PASS
177	176	5	9	5.9	3192	PASS

Data File : D:\GCMSB\120123\26JAN007.D Vial: 11
Acq On : 26 Jan 2012 8:40 Operator: DT
Sample : BFB Inst : GC/MS 597
Misc : 150ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm



AutoFind: Scans 2201, 2202, 2203; Background Corrected with Scan 2190

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	12942	PASS
75	95	30	60	51.2	35099	PASS
95	95	100	100	100.0	68493	PASS
96	95	5	9	6.3	4328	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.5	48275	PASS
175	174	5	9	7.7	3695	PASS
176	174	95	101	96.4	46541	PASS
177	176	5	9	6.2	2868	PASS

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\26JAN008.D Vial: 11
Acq On : 26 Jan 2012 9:36 Operator: DT
Sample : CCV Inst : GC/MS 597
Misc : 50ML Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.00
2		Dichlorodifluoromethane (12	5.340	5.789	-8.4	92	0.01
3		Chloromethane	1.262	1.384	-9.7	98	0.00
4		1,2-Cl-1,1,2,2-F ethane (11	4.767	5.180	-8.7	91	0.02
5		Vinyl Chloride	1.307	1.431	-9.5	93	0.02
6		Bromomethane	1.283	1.352	-5.4	134	0.01
7		Chloroethane	0.877	0.942	-7.4	93	0.01
8		Trichlorofluoromethane (11)	5.594	6.014	-7.5	93	0.01
9	M	1,1-Dichloroethene	2.899	3.048	-5.1	92	0.00
10		Carbon Disulfide	4.880	5.048	-3.4	96	0.01
11		1,1,2-Cl 1,2,2-F ethane (11	2.942	3.181	-8.1	92	0.00
12		Acetone	3.006	3.211	-6.8	88	0.02
13	M	Methylene Chloride	1.496	1.596	-6.7	93	0.00
14		t-1,2-Dichloroethene	1.670	1.852	-10.9	92	0.00
15		1,1-Dichloroethane	3.123	3.421	-9.5	93	0.01
16		Vinyl Acetate	4.814	5.150	-7.0	96	0.01
17		c-1,2-Dichloroethene	1.759	1.911	-8.6	94	0.00
18		2-Butanone	0.749	0.825	-10.1	86	0.01
19		t-Butyl Methyl Ether	4.812	4.937	-2.6	90	0.01
20	t	Chloroform	4.018	4.358	-8.5	95	0.00
21		1,1,1-Trichloroethane	4.143	4.318	-4.2	92	0.00
22		1,1-Dichloropropene	2.506	2.636	-5.2	93	0.01
23	t	Carbon Tetrachloride	4.065	4.146	-2.0	91	0.01
24	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
25	T	Benzene	1.442	1.297	10.1	88	0.00
26	S	1,2-Dichloroethane-d4	0.413	0.387	6.3	98	0.00
27		1,2-Dichloroethane	0.685	0.724	-5.7	96	0.00
28	M	Trichloroethene	0.572	0.563	1.6	90	0.00
29		1,2-Dichloropropane	0.449	0.450	-0.2	92	0.00
30		Bromodichloromethane	0.984	1.003	-1.9	93	0.00
31		Dibromomethane	0.495	0.512	-3.4	95	0.00
32		c-1,3-Dichloropropene	0.679	0.639	5.9	91	0.00
33		4-Methyl-2-Pentanone	0.888	0.804	9.5	88	0.00
34	S	Toluene-d8	0.783	0.733	6.4	94	0.00
35	M	Toluene	1.464	1.437	1.8	91	0.00
36	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
37		t-1,3-Dichloropropene	0.850	0.811	4.6	90	0.01
38		1,1,2-Trichloroethane	0.807	0.835	-3.5	93	0.00
39		1,3-Dichloropropane	1.047	1.123	-7.3	93	0.00
40		Tetrachloroethene	1.088	1.101	-1.2	90	0.00
41		2-Hexanone	0.587	0.576	1.9	88	0.00
42		Dibromochloromethane	1.357	1.394	-2.7	92	0.00
43	t	1,2-Dibromoethane	1.211	1.226	-1.2	91	0.00
44		Chlorobenzene	1.673	1.625	2.9	89	0.00
45		1,1,1,2-Tetrachloroethane	0.827	0.860	-4.0	93	0.00
46	T	Ethylbenzene	2.617	2.625	-0.3	93	0.00
47	T	p,&m-Xylene	2.085	2.172	-4.2	95	0.00
48	T	o-Xylene	2.197	2.137	2.7	91	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\26JAN008.D Vial: 11
Acq On : 26 Jan 2012 9:36 Operator: DT
Sample : CCV Inst : GC/MS 597
Misc : 50ML Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49		Styrene	1.362	1.344	1.3	92	0.00
50		Bromoform	1.144	1.098	4.0	93	0.00
51		Isopropyl benzene	2.386	2.485	-4.1	96	0.00
52	M	1,1,2,2-Tetrachloroethane	1.639	1.478	9.8	90	0.00
53	S	4-Bromofluorobenzene	0.411	0.409	0.5	104	0.00
54		Benzyl Chloride	1.219	0.830	31.9#	93	0.01
55		1,2,3-Trichloropropane	0.539	0.539	0.0	91	0.00
56		n-Propyl Benzene	2.711	2.846	-5.0	95	0.00
57		Bromobenzene	1.394	1.428	-2.4	93	0.00
58		4-Ethyl Toluene	2.674	2.577	3.6	93	0.00
59	T	1,3,5-Trimethylbenzene	2.524	2.314	8.3	88	0.00
60		2-Chlorotoluene	2.230	2.316	-3.9	97	0.00
61		4-Chlorotoluene	1.888	1.861	1.4	91	0.00
62		tert-Butylbenzene	2.217	2.313	-4.3	93	0.00
63		1,2,4-Trimethylbenzene	2.379	2.030	14.7	85	0.00
64		sec-Butylbenzene	2.558	2.626	-2.7	96	0.00
65		p-Isopropyltoluene	2.059	2.053	0.3	91	0.00
66		1,3-Dichlorobenzene	1.440	1.274	11.5	94	0.00
67		1,4-Dichlorobenzene	1.373	1.240	9.7	100	0.00
68		n-Butylbenzene	1.817	1.750	3.7	90	0.00
69		1,2-Dichlorobenzene	1.344	1.157	13.9	92	0.00
70		1,2-Dibromo-3-chloropropane	0.381	0.373	2.1	99	0.00
71		1,2,4-Trichlorobenzene	0.667	0.412	38.2#	88	0.00
72		Hexachlorobutadiene	0.718	0.553	23.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\26JAN008.D Vial: 11
Acq On : 26 Jan 2012 9:36 Operator: DT
Sample : CCV Inst : GC/MS 597
Misc : 50ML Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\GCMSB\METHODS\AL120120.M (RTE Integrator)
Title : EPA TO-15(09/27/05),GC Column:RTxVolatiles 0.32mm
Last Update : Mon Jan 23 08:17:27 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	96	0.00
2		Propene	1.069	1.131	-5.8	86	0.02
3		isobutane	0.047	0.066	NA ~~-40.4#~~	115	0.02
4		1,3-Butadiene	0.808	0.877	-8.5	93	0.01
5		Methanol	0.866	0.542	NA ~~-37.4#~~	101	0.00
6		Acetaldehyde	0.388	0.391	-0.8	86	0.02
7		Ethanol	0.492	1.123	NA ~~-128.3#~~	214#	0.01
8		Vinyl Bromide	1.422	1.505	-5.8	91	0.02
9		Isopropanol	2.691	2.571	4.5	91	0.00
10		Acrolein	0.443	0.430	2.9	89	0.02
11		t-Butanol	2.490	2.427	2.5	84	0.01
12		Allyl Chloride	1.732	1.782	-2.9	91	0.01
13		Acrylonitrile	0.882	1.022	-15.9	106	0.01
14		t-Butyl methyl ether	4.788	4.938	-3.1	90	0.01
15		n-Hexane	2.377	2.547	-7.2	90	0.00
16		Isopropyl ether	4.397	4.579	-4.1	88	0.01
17		t-Butyl ethyl ether	1.855	1.883	-1.5	86	0.01
18		Ethyl Acetate	0.426	0.429	-0.7	86	0.01
19		2,2-Dichloropropane	2.672	2.715	-1.6	94	0.00
20		Tetrahydrofuran	0.818	0.825	-0.9	89	0.01
21		Cyclohexane	2.397	2.576	-7.5	92	0.01
22		2,2,4-Trimethylpentane	6.737	7.157	-6.2	90	0.00
23	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
24	S	1,2-Dichloroethane-d4	0.411	0.401	2.4	93	0.00
25		t-Amyl methyl ether	1.007	0.919	8.7	86	0.01
26		Heptane	0.422	0.415	1.7	88	0.00
27		1,4-Dioxane	0.320	0.299	6.6	93	0.00
28		2-chloroethylvinylether	0.003	0.001	NA ~~-66.7#~~	123	0.00
29	S	Toluene-d8	0.781	0.728	6.8	93	0.00
30		Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
31		Cyclohexanone	0.600	0.602	-0.3	89	0.00
32	S	4-Bromofluorobenzene	0.608	0.579	4.8	101	0.00
33		Dicyclopentadiene	0.022	0.019	13.6	82	0.00
34		Naphthalene	1.417	0.755	NA ~~-46.7#~~	91	0.00
35		1,2,3-Trichlorobenzene	0.004	0.000	NA ~~100.0#~~	0#	-22.28#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

AirTECHNOLOGY
Laboratories, Inc.

February 2, 2012

ACLASS Accredited
DoD ELAP
ADE-1461
EPA Methods TO-3, TO14A,TO15 SIM & Scan, ASTM D1946

nelac
FL Cert E8784/LA Cert 04140
EPA Methods TO3, TO14A, TO15, 25C/3C, RSK-175
TX Cert T104704450-09-TX
EPA Methods TO14A, TO15

de maximis, inc.
ATTN: Jaime Dinello
1322 Scott St., Suite 104
San Diego, CA 92106

LABORATORY TEST RESULTS

Project Reference: Omega – ISVE System; E742
Lab Number: D011902-01/03

Enclosed are results for sample(s) received 1/19/12 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

CHAIN OF CUSTODY RECORD

AirTECHNOLOGY Laboratories, Inc.

18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

TURNAROUND TIME

Standard	■	48 hours	☐
Same Day	☐	72 hours	☐
24 hours	☐	96 hours	☐
Other:			

DELIVERABLES

EDD	■
EDF	☐
Level 3	☐
Level 4	☐

Condition upon receipt:
Sealed Yes ☐ No ☐
Intact Yes ☐ No ☐
Chilled _____ deg C

Project No.:	E742
Project Name:	Omega - ISVE System
Report To:	Jaime Dinello
Company:	de maximis, Inc.
Street:	1322 Scott Street, Suite 104
City/State/Zip:	San Diego, CA 92106
Phone& Fax:	(310) 926-5368
e-mail:	jdinello@demaximis.com

BILLING

P.O. No.:	
Bill to:	de maximis, inc.
	1322 Scott Street, Suite 104
	San Diego, CA 92106

ANALYSIS REQUEST

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	TO-15 (TAL 2.3)					
D011902-01	OC_SVE_EFF_GAC_011612	1/16/2012	1110	Summa	Air	No/C	x					
-02	OC_SVE_MID_GAC_011612	1/16/2012	1110	Summa	Air	No/C	x					
-03	OC_SVE_INF_GAC_011612	1/16/2012	1110	Summa	Air	No/C	x					

AUTHORIZATION TO PERFORM WORK: Carlton Hamm Jr	COMPANY: JHA	DATE/TIME: 1/19/12	
SAMPLED BY: Carlton Hamm Jr	COMPANY: JHA	DATE/TIME: 1/16/12	
RELINQUISHED BY: [signature]	DATE/TIME: 1/19/12 1155	RECEIVED BY: [signature]	DATE/TIME: 1/19/12 1155
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

COMMENTS

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS Courier ATLI Other_____

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCl **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other *Rev. 03 - 5/7/09*

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	D011902-01	D011902-02	D011902-03
Client Sample I.D.:	OC_SVE_EFF_GAC_011612	OC_SVE_MID_GAC_011612	OC_SVE_INF_GAC_011612
Date Sampled:	01/16/12	01/16/12	01/16/12
Date Analyzed:	01/27/12	01/27/12	01/27/12
QC Batch No.:	120126MS2A1	120126MS2A1	120127MS2A1
Analyst Initials:	DT	DT	DT
Dilution Factor:	1.7	1.7	27

ANALYTE	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv	Result ppbv	RL ppbv	MDL ppbv
Dichlorodifluoromethane (12)	1.0 J	1.7	0.080	0.95 J	1.7	0.080	ND	27	1.3
Vinyl Chloride	ND	1.7	0.37	ND	1.7	0.37	ND	27	6.0
Trichlorofluoromethane (11)	2.5	1.7	0.69	36	1.7	0.69	55	27	11
1,1-Dichloroethene	2.2	1.7	0.18	180	1.7	0.18	340	27	2.9
Carbon Disulfide	ND	8.4	0.25	2.0 J	8.4	0.25	15 J	140	4.0
1,1,2-Cl 1,2,2-F ethane (113)	ND	1.7	0.39	21	1.7	0.39	240	27	6.2
Methylene Chloride	4.5	1.7	0.33	4.8	1.7	0.33	ND	27	5.3
1,1-Dichloroethane	ND	1.7	0.20	1.4 J	1.7	0.20	ND	27	3.2
2-Butanone	ND	1.7	0.43	4.2	1.7	0.43	ND	27	6.9
Chloroform	ND	1.7	0.23	5.9	1.7	0.23	29	27	3.8
1,1,1-Trichloroethane	ND	1.7	0.19	1.5 J	1.7	0.19	18 J	27	3.1
Carbon Tetrachloride	ND	1.7	0.19	ND	1.7	0.19	ND	27	3.1
Benzene	0.47 J	1.7	0.33	0.35 J	1.7	0.33	7.0 J	27	5.3
1,2-Dichloroethane	ND	1.7	0.44	1.9	1.7	0.44	40	27	7.1
Trichloroethene	ND	1.7	0.26	0.31 J	1.7	0.26	220	27	4.2
Toluene	0.45 J	1.7	0.21	1.3 J	1.7	0.21	34	27	3.5
1,1,2-Trichloroethane	ND	1.7	0.34	ND	1.7	0.34	ND	27	5.5
Tetrachloroethene	0.71 J	1.7	0.19	10	1.7	0.19	6,700	27	3.0
o-Xylene	ND	1.7	0.23	3.9	1.7	0.23	8.7 J	27	3.7
Isopropanol	ND	8.4	1.1	1.2 J	8.4	1.1	ND	140	18
n-Hexane	ND	8.4	0.42	ND	8.4	0.42	ND	140	6.8
1,4-Dioxane	ND	8.4	1.1	ND	8.4	1.1	ND	140	18
Total VOC's	12			280			7,700		

Surrogate	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	95%	70-130%	96%	70-130%	100%	70-130%
Toluene-d8	92%	70-130%	99%	70-130%	92%	70-130%
4-Bromofluorobenzene	91%	70-130%	95%	70-130%	98%	70-130%

Table 2-3

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeded QC Criteria

Reviewed/Approved By: _____ Date 2-2-12
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ◆ City of Industry, CA 91748 ◆ Ph: (626) 964-4032 ◆ Fx: (626) 964-5832

Client: de maximis, inc.
Attn: Jaime Dinello
Project Name: Omega - ISVE System
Project No.: E742
Date Received: 01/19/12
Matrix: Air
Reporting Units: ug/m3

EPA Method TO15

Lab No.:	D011902-01			D011902-02			D011902-03		
Client Sample I.D.:	OC_SVE_EFF_GAC_0116 12			OC_SVE_MID_GAC_0116 12			OC_SVE_INF_GAC_0116 12		
Date Sampled:	01/16/12			01/16/12			01/16/12		
Date Analyzed:	01/27/12			01/27/12			01/27/12		
QC Batch No.:	120126MS2A1			120126MS2A1			120127MS2A1		
Analyst Initials:	DT			DT			DT		
Dilution Factor:	1.7			1.7			27		
ANALYTE	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3	Result ug/m3	RL ug/m3	MDL ug/m3
Dichlorodifluoromethane (12)	5.1 J	8.3	0.40	4.7 J	8.3	0.40	ND	130	6.4
Vinyl Chloride	ND	4.3	0.95	ND	4.3	0.95	ND	69	15
Trichlorofluoromethane (11)	14	9.5	3.9	200	9.5	3.9	310	150	62
1,1-Dichloroethene	8.9	6.7	0.72	710	6.7	0.72	1,300	110	12
Carbon Disulfide	ND	26	0.78	6.1 J	26	0.78	45 J	420	13
1,1,2-Cl 1,2,2-F ethane (113)	ND	13	3.0	160	13	3.0	1,900	210	48
Methylene Chloride	16	5.9	1.1	17	5.9	1.1	ND	94	18
1,1-Dichloroethane	ND	6.8	0.81	5.7 J	6.8	0.81	ND	110	13
2-Butanone	ND	5.0	1.3	12	5.0	1.3	ND	80	20
Chloroform	ND	8.2	1.1	29	8.2	1.1	140	130	18
1,1,1-Trichloroethane	ND	9.2	1.0	8.4 J	9.2	1.0	99 J	150	17
Carbon Tetrachloride	ND	11	1.2	ND	11	1.2	ND	170	20
Benzene	1.5 J	5.4	1.1	1.1 J	5.4	1.1	22 J	86	17
1,2-Dichloroethane	ND	6.8	1.8	7.7	6.8	1.8	160	110	29
Trichloroethene	ND	9.1	1.4	1.7 J	9.1	1.4	1,200	150	23
Toluene	1.7 J	6.3	0.81	4.8 J	6.3	0.81	130	100	13
1,1,2-Trichloroethane	ND	9.2	1.9	ND	9.2	1.9	ND	150	30
Tetrachloroethene	4.8 J	11	1.3	69	11	1.3	45,000	180	21
o-Xylene	ND	7.3	1.0	17	7.3	1.0	38 J	120	16
Isopropanol	ND	21	2.8	2.9 J	21	2.8	ND	330	45
n-Hexane	ND	30	1.5	ND	30	1.5	ND	480	24
1,4-Dioxane	ND	30	4.0	ND	30	4.0	ND	490	64
Total VOC's	52			1,300			50,000		

Surrogate	Result	QC Criteria	Result	QC Criteria	Result	QC Criteria
1,2-Dichloroethane-d4	95%	70-130%	96%	70-130%	100%	70-130%
Toluene-d8	92%	70-130%	99%	70-130%	92%	70-130%
4-Bromofluorobenzene	91%	70-130%	95%	70-130%	98%	70-130%

Table 2-3

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.
* = Surrogate recovery exceeded QC Criteria

Reviewed/Approved By: _____ Date 2-2-12
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 120126MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/26/12		01/26/12		01/26/12						
Data File ID:	26JAN011.D		26JAN009.D		26JAN010.D						
Analyst Initials:	DT		DT		DT						
Dilution Factor:	0.2		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.3	83	8.5	85	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.0	90	9.0	90	0.8	70	130	30	Pass
Trichloroethene	0.0	10.0	9.2	92	8.9	89	3.7	70	130	30	Pass
Toluene	0.0	10.0	8.8	88	8.6	86	2.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.3	83	8.0	80	3.6	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: _____ Date: 2-2-12

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 120127MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	01/27/12		01/27/12		01/27/12						
Data File ID:	27JAN006.D		27JAN004.D		27JAN005.D						
Analyst Initials:	DT		DT		DT						
Dilution Factor:	0.2		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.9	89	8.8	88	1.2	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.5	95	9.5	95	0.4	70	130	30	Pass
Trichloroethene	0.0	10.0	9.1	91	9.1	91	0.4	70	130	30	Pass
Toluene	0.0	10.0	8.6	86	8.7	87	1.7	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.5	85	0.6	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By: Mark Johnson
Operations Manager

Date: 2-2-12

The cover letter is an integral part of this analytical report

GC/MS QA-QC Check Report

Tune File : D:\GCMSB\120123\26JAN007.D
Tune Time : 26 Jan 2012 8:40

Daily Calibration File : D:\GCMSB\120123\26JAN008.D

					Daily cali. I.S. response		
					58955	256730	163855
File	Sample	Surrogate Recovery %			Internal Standard Responses		
26JAN009	LCS	99	99	107	62398	253086	171359
26JAN010	LCSD	93	98	113	61493	263250	176614
26JAN011	METHOD BLANK	98	96	90	59202	248909	166591
26JAN032	D011902-01 d	95	92	91	57822	248348	151695
26JAN033	D011902-02 d	96	99	95	59829	246085	160260

surrogate recovery limits 70-130%
Internal standard response limits 60-140%

t - fails 24hr time check * - fails criteria
Created:Mon Jan 30 12:05:52 2012

GC/MS QA-QC Check Report

Tune File : D:\GCMSB\120123\27JAN002.D
Tune Time : 27 Jan 2012 3:51

Daily Calibration File : D:\GCMSB\120123\27JAN003.D

					Daily cali. I.S. response		
					59069	248038	157984
File	Sample	Surrogate Recovery %			Internal Standard Responses		
27JAN004	LCS	99	92	99	56849	243694	152901
27JAN005	LCSD	101	99	100	58049	246783	156563
27JAN006	METHOD BLANK	100	92	84	55435	226274	138630
27JAN010	D011902-03 d	100	92	98	56435	231050	146702

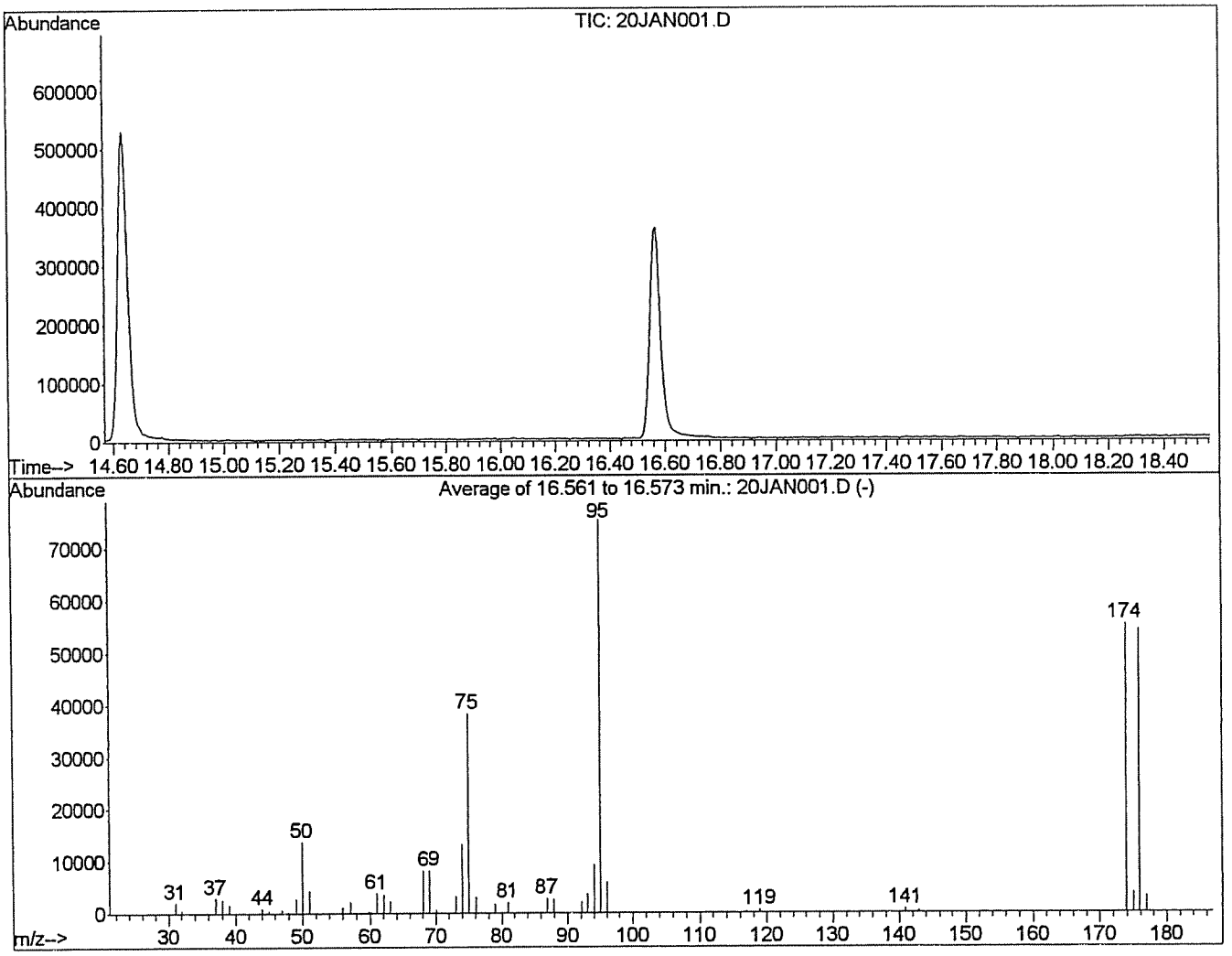
surrogate recovery limits 70-130%
Internal standard response limits 60-140%

t - fails 24hr time check * - fails criteria
Created:Mon Jan 30 12:04:22 2012

BFB

Data File : D:\GCMSB\120116\20JAN001.D
Acq On : 20 Jan 2012 8:32
Sample : BFB
Misc : 150ML
MS Integration Params: RTEINT.P
Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm

Vial: 4
Operator: DT
Inst : GC/MS 597
Multiplr: 1.00



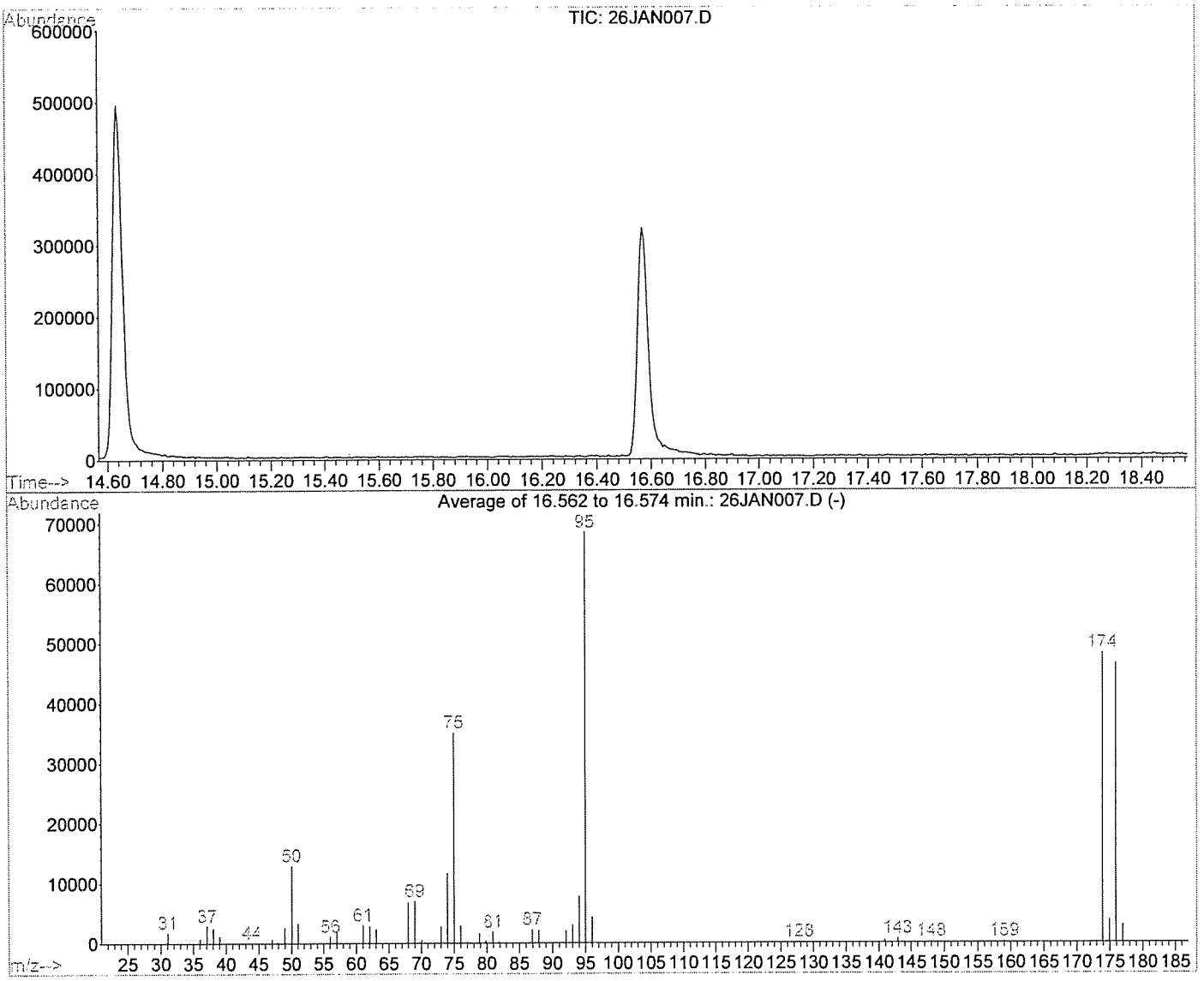
AutoFind: Scans 2201, 2202, 2203; Background Corrected with Scan 2190

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	13711	PASS
75	95	30	60	50.9	38352	PASS
95	95	100	100	100.0	75373	PASS
96	95	5	9	7.8	5887	PASS
173	174	0.00	2	0.3	171	PASS
174	95	50	100	73.4	55325	PASS
175	174	5	9	7.0	3885	PASS
176	174	95	101	98.3	54365	PASS
177	176	5	9	5.9	3192	PASS

BFB

Data File : D:\GCMSB\120123\26JAN007.D
Acq On : 26 Jan 2012 8:40
Sample : BFB
Misc : 150ML
MS Integration Params: RTEINT.P
Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm

Vial: 11
Operator: DT
Inst : GC/MS 597
Multiplr: 1.00

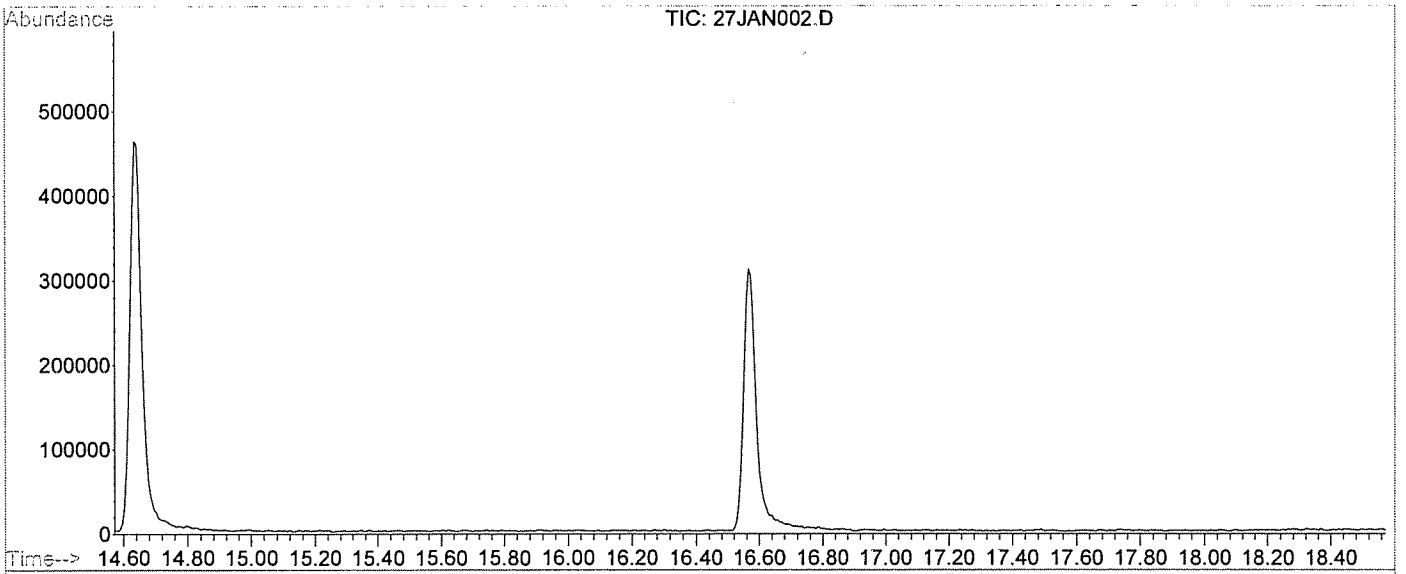


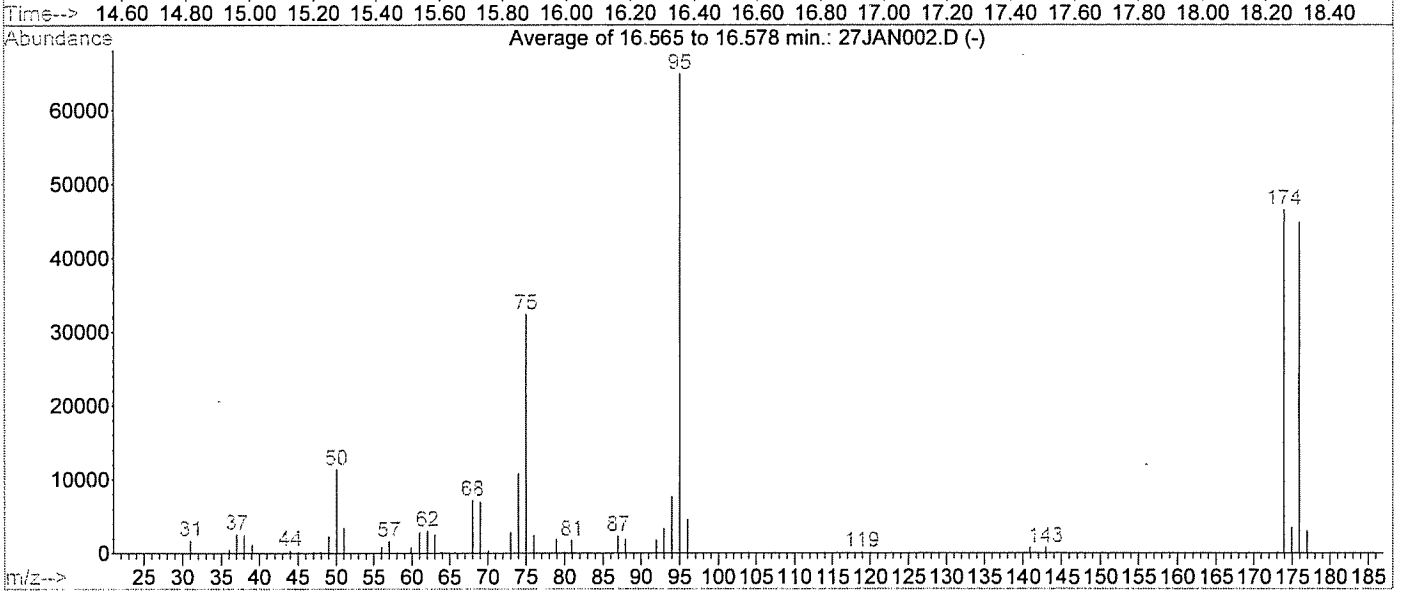
AutoFind: Scans 2201, 2202, 2203; Background Corrected with Scan 2190

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	12942	PASS
75	95	30	60	51.2	35099	PASS
95	95	100	100	100.0	68493	PASS
96	95	5	9	6.3	4328	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.5	48275	PASS
175	174	5	9	7.7	3695	PASS
176	174	95	101	96.4	46541	PASS
177	176	5	9	6.2	2868	PASS

Data File : D:\GCMSB\120123\27JAN002.D
Acq On : 27 Jan 2012 3:51
Sample : BFB
Misc : 150ML
MS Integration Params: RTEINT.P
Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm

Vial: 11
Operator: DT
Inst : GC/MS 597
Multiplr: 1.00





AutoFind: Scans 2202, 2203, 2204; Background Corrected with Scan 2193

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	11357	PASS
75	95	30	60	49.9	32376	PASS
95	95	100	100	100.0	64912	PASS
96	95	5	9	7.0	4554	PASS
173	174	0.00	2	0.4	191	PASS
174	95	50	100	71.7	46525	PASS
175	174	5	9	7.4	3466	PASS
176	174	95	101	96.2	44776	PASS
177	176	5	9	6.7	3011	PASS

Response Factor Report GC/MS 597

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Initial Calibration

Calibration Files
1 =20JAN006.D 5 =20JAN007.D 10 =20JAN002.D
25 =20JAN005.D 100 =20JAN008.D 250 =20JAN009.D

		Compound	1	5	10	25	100	250	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)		Dichlorodifluoromet	6.611	6.062	6.102	5.120	4.726	3.416	5.340	21.91
3)		Chloromethane	1.517	1.434	1.362	1.199	1.141	0.919	1.262	17.38
4)		1,2-Cl-1,1,2,2-F et	5.751	5.362	5.503	4.650	4.184	3.153	4.767	20.60
5)		Vinyl Chloride	1.377	1.479	1.482	1.271	1.241	0.993	1.307	14.07
6)		Bromomethane	1.877	1.419	0.972	1.159	1.263	1.010	1.283	26.02
7)		Chloroethane	1.041	0.978	0.979	0.820	0.795	0.651	0.877	16.79
8)		Trichlorofluorometh	6.451	6.415	6.266	5.399	5.108	3.928	5.594	17.71
9)	M	1,1-Dichloroethene	3.387	3.211	3.218	2.797	2.689	2.093	2.899	16.48
10)		Carbon Disulfide	6.264	6.082	5.100	4.267	4.261	3.306	4.880	23.62
11)		1,1,2-Cl 1,2,2-F et	3.380	3.376	3.333	2.831	2.679	2.055	2.942	17.99
12)		Acetone		3.830	3.533	2.749	2.793	2.127	3.006	22.57
13)	M	Methylene Chloride	1.791	1.672	1.663	1.386	1.369	1.095	1.496	17.31
14)		t-1,2-Dichloroethen	1.557	1.812	1.957	1.708	1.658	1.330	1.670	12.92
15)		1,1-Dichloroethane	3.488	3.540	3.569	3.086	2.884	2.172	3.123	17.35
16)		Vinyl Acetate	3.531	5.430	5.197	5.013	5.532	4.178	4.814	16.44
17)		c-1,2-Dichloroethen	1.910	1.974	1.975	1.753	1.671	1.272	1.759	15.28
18)		2-Butanone	0.388	0.876	0.931	0.820	0.825	0.653	0.749	26.68
19)		t-Butyl Methyl Ethe	5.050	5.110	5.333	4.696	4.765	3.920	4.812	10.30
20)	t	Chloroform	4.480	4.629	4.456	3.912	3.730	2.898	4.018	16.23
21)		1,1,1-Trichloroetha	4.442	4.689	4.549	4.001	4.001	3.174	4.143	13.36
22)		1,1-Dichloropropene	2.726	2.759	2.746	2.479	2.420	1.902	2.506	13.15
23)	t	Carbon Tetrachlorid	4.387	4.353	4.400	3.939	4.104	3.209	4.065	11.26
24)	I	1,4-Difluorobenzene	----------ISTD----------							
25)	T	Benzene	2.123	1.443	1.425	1.218	1.315	1.130	1.442	24.57
26)	S	1,2-Dichloroethane-	0.387	0.408	0.383	0.427	0.490	0.383	0.413	10.05
27)		1,2-Dichloroethane	0.692	0.715	0.732	0.645	0.721	0.601	0.685	7.46
28)	M	Trichloroethene	0.543	0.600	0.603	0.552	0.607	0.530	0.572	6.06
29)		1,2-Dichloropropane	0.439	0.463	0.475	0.419	0.476	0.422	0.449	5.68
30)		Bromodichloromethan	0.928	1.044	1.046	0.944	1.066	0.875	0.984	7.97
31)		Dibromomethane	0.452	0.532	0.519	0.478	0.537	0.451	0.495	7.95
32)		c-1,3-Dichloroprope	0.552	0.659	0.682	0.650	0.812	0.721	0.679	12.64
33)		4-Methyl-2-Pentanon	0.894	0.882	0.885	0.838	0.977	0.850	0.888	5.49
34)	S	Toluene-d8	0.768	0.768	0.756	0.785	0.802	0.816	0.783	2.89
35)	M	Toluene	1.539	1.477	1.524	1.388	1.540	1.318	1.464	6.28
36)	I	Chlorobenzene-d5	----------ISTD----------							
37)		t-1,3-Dichloroprope	0.586	0.854	0.874	0.818	1.030	0.936	0.850	17.58
38)		1,1,2-Trichloroetha	0.874	0.900	0.869	0.744	0.771	0.681	0.807	10.82
39)		1,3-Dichloropropane	1.003	1.112	1.164	0.974	1.077	0.949	1.047	8.07
40)		Tetrachloroethene	1.244	1.193	1.190	0.982	1.027	0.892	1.088	12.95
41)		2-Hexanone	0.367	0.625	0.638	0.590	0.688	0.615	0.587	19.16

(#) = Out of Range

Response Factor Report GC/MS 597

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Initial Calibration

Calibration Files
1 =20JAN006.D 5 =20JAN007.D 10 =20JAN002.D
25 =20JAN005.D 100 =20JAN008.D 250 =20JAN009.D

		Compound	1	5	10	25	100	250	Avg	%RSD
42)		Dibromochloromethan	1.232	1.474	1.469	1.264	1.442	1.264	1.357	8.49
43)	t	1,2-Dibromoethane	1.182	1.332	1.305	1.124	1.239	1.086	1.211	8.13
44)		Chlorobenzene	1.897	1.785	1.772	1.521	1.624	1.440	1.673	10.44
45)		1,1,1,2-Tetrachloro	0.773	0.872	0.899	0.783	0.865	0.769	0.827	7.02
46)	T	Ethylbenzene	2.763	2.798	2.736	2.520	2.645	2.239	2.617	8.03
47)	T	p,&m-Xylene	2.272	2.474	2.223	1.988	2.012	1.543	2.085	15.38
48)	T	o-Xylene	2.344	2.437	2.284	2.070	2.196	1.855	2.197	9.53
49)		Styrene	1.115	1.480	1.423	1.355	1.476	1.320	1.362	10.04
50)		Bromoform	1.062	1.241	1.141	1.041	1.271	1.107	1.144	8.24
51)		Isopropyl benzene	2.383	2.460	2.506	2.341	2.469	2.158	2.386	5.34
52)	M	1,1,2,2-Tetrachloro	1.916	2.060	1.599	1.401	1.530	1.325	1.639	17.74
53)	S	4-Bromofluorobenzen	0.396	0.392	0.383	0.426	0.422	0.447	0.411	5.99
54)		Benzyl Chloride	0.791	1.065	0.863	1.057	1.806	1.732	1.219	36.09
55)		1,2,3-Trichloroprop	0.557	0.564	0.574	0.497	0.552	0.492	0.539	6.61
56)		n-Propyl Benzene	2.520	2.783	2.896	2.747	2.916	2.402	2.711	7.65
57)		Bromobenzene	1.481	1.423	1.490	1.351	1.433	1.187	1.394	8.11
58)		4-Ethyl Toluene	2.526	3.084	2.695	2.501	2.831	2.407	2.674	9.41
59)	T	1,3,5-Trimethylbenz	2.893	3.077	2.535	2.268	2.360	2.011	2.524	15.83
60)		2-Chlorotoluene	2.357	2.515	2.319	2.142	2.175	1.871	2.230	9.93
61)		4-Chlorotoluene	1.864	1.888	1.978	1.824	1.986	1.786	1.888	4.29
62)		tert-Butylbenzene	1.875	2.442	2.397	2.193	2.337	2.057	2.217	9.90
63)		1,2,4-Trimethylbenz	2.562	2.793	2.321	2.165	2.391	2.042	2.379	11.40
64)		sec-Butylbenzene	2.564	2.713	2.638	2.519	2.656	2.261	2.558	6.29
65)		p-Isopropyltoluene	1.757	2.134	2.182	2.082	2.244	1.952	2.059	8.64
66)		1,3-Dichlorobenzene	1.675	1.589	1.308	1.297	1.475	1.298	1.440	11.49
67)		1,4-Dichlorobenzene	1.621	1.512	1.201	1.207	1.426	1.269	1.373	12.67
68)		n-Butylbenzene	1.574	1.853	1.882	1.811	2.029	1.757	1.817	8.28
69)		1,2-Dichlorobenzene	1.475	1.508	1.223	1.210	1.402	1.242	1.344	10.00
70)		1,2-Dibromo-3-chlor	0.256	0.347	0.366	0.370	0.490	0.458	0.381	21.89
71)		1,2,4-Trichlorobenz	0.469	0.482	0.454	0.693	0.981	0.920	0.667	35.60
72)		Hexachlorobutadiene	0.662	0.719	0.515	0.745	0.881	0.787	0.718	17.24

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\26JAN008.D Vial: 11
Acq On : 26 Jan 2012 9:36 Operator: DT
Sample : CCV Inst : GC/MS 597
Misc : 50ML Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.00
2		Dichlorodifluoromethane (12	5.340	5.789	-8.4	92	0.01
3		Chloromethane	1.262	1.384	-9.7	98	0.00
4		1,2-Cl-1,1,2,2-F ethane (11	4.767	5.180	-8.7	91	0.02
5		Vinyl Chloride	1.307	1.431	-9.5	93	0.02
6		Bromomethane	1.283	1.352	-5.4	134	0.01
7		Chloroethane	0.877	0.942	-7.4	93	0.01
8		Trichlorofluoromethane (11)	5.594	6.014	-7.5	93	0.01
9	M	1,1-Dichloroethene	2.899	3.048	-5.1	92	0.00
10		Carbon Disulfide	4.880	5.048	-3.4	96	0.01
11		1,1,2-Cl 1,2,2-F ethane (11	2.942	3.181	-8.1	92	0.00
12		Acetone	3.006	3.211	-6.8	88	0.02
13	M	Methylene Chloride	1.496	1.596	-6.7	93	0.00
14		t-1,2-Dichloroethene	1.670	1.852	-10.9	92	0.00
15		1,1-Dichloroethane	3.123	3.421	-9.5	93	0.01
16		Vinyl Acetate	4.814	5.150	-7.0	96	0.01
17		c-1,2-Dichloroethene	1.759	1.911	-8.6	94	0.00
18		2-Butanone	0.749	0.825	-10.1	86	0.01
19		t-Butyl Methyl Ether	4.812	4.937	-2.6	90	0.01
20	t	Chloroform	4.018	4.358	-8.5	95	0.00
21		1,1,1-Trichloroethane	4.143	4.318	-4.2	92	0.00
22		1,1-Dichloropropene	2.506	2.636	-5.2	93	0.01
23	t	Carbon Tetrachloride	4.065	4.146	-2.0	91	0.01
24	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
25	T	Benzene	1.442	1.297	10.1	88	0.00
26	S	1,2-Dichloroethane-d4	0.413	0.387	6.3	98	0.00
27		1,2-Dichloroethane	0.685	0.724	-5.7	96	0.00
28	M	Trichloroethene	0.572	0.563	1.6	90	0.00
29		1,2-Dichloropropane	0.449	0.450	-0.2	92	0.00
30		Bromodichloromethane	0.984	1.003	-1.9	93	0.00
31		Dibromomethane	0.495	0.512	-3.4	95	0.00
32		c-1,3-Dichloropropene	0.679	0.639	5.9	91	0.00
33		4-Methyl-2-Pentanone	0.888	0.804	9.5	88	0.00
34	S	Toluene-d8	0.783	0.733	6.4	94	0.00
35	M	Toluene	1.464	1.437	1.8	91	0.00
36	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
37		t-1,3-Dichloropropene	0.850	0.811	4.6	90	0.01
38		1,1,2-Trichloroethane	0.807	0.835	-3.5	93	0.00
39		1,3-Dichloropropane	1.047	1.123	-7.3	93	0.00
40		Tetrachloroethene	1.088	1.101	-1.2	90	0.00
41		2-Hexanone	0.587	0.576	1.9	88	0.00
42		Dibromochloromethane	1.357	1.394	-2.7	92	0.00
43	t	1,2-Dibromoethane	1.211	1.226	-1.2	91	0.00
44		Chlorobenzene	1.673	1.625	2.9	89	0.00
45		1,1,1,2-Tetrachloroethane	0.827	0.860	-4.0	93	0.00
46	T	Ethylbenzene	2.617	2.625	-0.3	93	0.00
47	T	p,&m-Xylene	2.085	2.172	-4.2	95	0.00
48	T	o-Xylene	2.197	2.137	2.7	91	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\26JAN008.D Vial: 11
Acq On : 26 Jan 2012 9:36 Operator: DT
Sample : CCV Inst : GC/MS 597
Misc : 50ML Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49		Styrene	1.362	1.344	1.3	92	0.00
50		Bromoform	1.144	1.098	4.0	93	0.00
51		Isopropyl benzene	2.386	2.485	-4.1	96	0.00
52	M	1,1,2,2-Tetrachloroethane	1.639	1.478	9.8	90	0.00
53	S	4-Bromofluorobenzene	0.411	0.409	0.5	104	0.00
54		Benzyl Chloride	1.219	0.830	31.9#	93	0.01
55		1,2,3-Trichloropropane	0.539	0.539	0.0	91	0.00
56		n-Propyl Benzene	2.711	2.846	-5.0	95	0.00
57		Bromobenzene	1.394	1.428	-2.4	93	0.00
58		4-Ethyl Toluene	2.674	2.577	3.6	93	0.00
59	T	1,3,5-Trimethylbenzene	2.524	2.314	8.3	88	0.00
60		2-Chlorotoluene	2.230	2.316	-3.9	97	0.00
61		4-Chlorotoluene	1.888	1.861	1.4	91	0.00
62		tert-Butylbenzene	2.217	2.313	-4.3	93	0.00
63		1,2,4-Trimethylbenzene	2.379	2.030	14.7	85	0.00
64		sec-Butylbenzene	2.558	2.626	-2.7	96	0.00
65		p-Isopropyltoluene	2.059	2.053	0.3	91	0.00
66		1,3-Dichlorobenzene	1.440	1.274	11.5	94	0.00
67		1,4-Dichlorobenzene	1.373	1.240	9.7	100	0.00
68		n-Butylbenzene	1.817	1.750	3.7	90	0.00
69		1,2-Dichlorobenzene	1.344	1.157	13.9	92	0.00
70		1,2-Dibromo-3-chloropropane	0.381	0.373	2.1	99	0.00
71		1,2,4-Trichlorobenzene	0.667	0.412	38.2#	88	0.00
72		Hexachlorobutadiene	0.718	0.553	23.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\27JAN003.D Vial: 11
Acq On : 27 Jan 2012 4:30 Operator: DT
Sample : CCV Inst : GC/MS 597
Misc : 50ML Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.01
2		Dichlorodifluoromethane (12	5.340	5.562	-4.2	88	0.02
3		Chloromethane	1.262	1.389	-10.1	99	0.01
4		1,2-Cl-1,1,2,2-F ethane (11	4.767	4.996	-4.8	88	0.02
5		Vinyl Chloride	1.307	1.392	-6.5	91	0.02
6		Bromomethane	1.283	1.272	0.9	127	0.01
7		Chloroethane	0.877	0.878	-0.1	87	0.02
8		Trichlorofluoromethane (11)	5.594	5.791	-3.5	90	0.01
9	M	1,1-Dichloroethene	2.899	2.804	3.3	84	0.01
10		Carbon Disulfide	4.880	4.666	4.4	89	0.01
11		1,1,2-Cl 1,2,2-F ethane (11	2.942	2.784	5.4	81	0.01
12		Acetone	3.006	2.770	7.9	76	0.02
13	M	Methylene Chloride	1.496	1.520	-1.6	89	0.01
14		t-1,2-Dichloroethene	1.670	1.778	-6.5	88	0.00
15		1,1-Dichloroethane	3.123	3.286	-5.2	89	0.02
16		Vinyl Acetate	4.814	4.785	0.6	89	0.02
17		c-1,2-Dichloroethene	1.759	1.856	-5.5	91	0.01
18		2-Butanone	0.749	0.739	1.3	77	0.01
19		t-Butyl Methyl Ether	4.812	4.770	0.9	87	0.02
20	t	Chloroform	4.018	4.188	-4.2	91	0.00
21		1,1,1-Trichloroethane	4.143	4.096	1.1	87	0.00
22		1,1-Dichloropropene	2.506	2.521	-0.6	89	0.01
23	t	Carbon Tetrachloride	4.065	3.971	2.3	87	0.01
24	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
25	T	Benzene	1.442	1.300	9.8	85	0.00
26	S	1,2-Dichloroethane-d4	0.413	0.412	0.2	100	0.00
27		1,2-Dichloroethane	0.685	0.725	-5.8	92	0.01
28	M	Trichloroethene	0.572	0.564	1.4	87	0.00
29		1,2-Dichloropropane	0.449	0.443	1.3	87	0.00
30		Bromodichloromethane	0.984	0.986	-0.2	88	0.00
31		Dibromomethane	0.495	0.510	-3.0	92	0.00
32		c-1,3-Dichloropropene	0.679	0.614	9.6	84	0.00
33		4-Methyl-2-Pentanone	0.888	0.796	10.4	84	0.01
34	S	Toluene-d8	0.783	0.733	6.4	91	0.00
35	M	Toluene	1.464	1.378	5.9	84	0.00
36	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
37		t-1,3-Dichloropropene	0.850	0.810	4.7	87	0.01
38		1,1,2-Trichloroethane	0.807	0.842	-4.3	90	0.00
39		1,3-Dichloropropane	1.047	1.106	-5.6	89	0.00
40		Tetrachloroethene	1.088	1.138	-4.6	89	0.00
41		2-Hexanone	0.587	0.545	7.2	80	0.00
42		Dibromochloromethane	1.357	1.362	-0.4	87	0.00
43	t	1,2-Dibromoethane	1.211	1.227	-1.3	88	0.00
44		Chlorobenzene	1.673	1.616	3.4	85	0.00
45		1,1,1,2-Tetrachloroethane	0.827	0.849	-2.7	88	0.00
46	T	Ethylbenzene	2.617	2.537	3.1	87	0.00
47	T	p,&m-Xylene	2.085	2.168	-4.0	91	0.00
48	T	o-Xylene	2.197	2.102	4.3	86	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\27JAN003.D
Acq On : 27 Jan 2012 4:30
Sample : CCV
Misc : 50ML
MS Integration Params: RTEINT.P

Vial: 11
Operator: DT
Inst : GC/MS 597
Multiplr: 1.00

Method : D:\GCMSB\METHODS\TO120120.M (RTE Integrator)
Title : EPA TO-14/TO-15 (09/27/05) RTxVolatiles 0.32mm
Last Update : Fri Jan 20 17:08:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49		Styrene	1.362	1.279	6.1	84	0.00
50		Bromoform	1.144	1.040	9.1	85	0.00
51		Isopropyl benzene	2.386	2.399	-0.5	89	0.00
52	M	1,1,2,2-Tetrachloroethane	1.639	1.442	12.0	84	0.00
53	S	4-Bromofluorobenzene	0.411	0.406	1.2	99	0.00
54		Benzyl Chloride	1.219	0.764	37.3#	83	0.00
55		1,2,3-Trichloropropane	0.539	0.535	0.7	87	0.00
56		n-Propyl Benzene	2.711	2.769	-2.1	89	0.00
57		Bromobenzene	1.394	1.417	-1.6	89	0.00
58		4-Ethyl Toluene	2.674	2.528	5.5	88	0.00
59	T	1,3,5-Trimethylbenzene	2.524	2.313	8.4	85	0.00
60		2-Chlorotoluene	2.230	2.336	-4.8	94	0.00
61		4-Chlorotoluene	1.888	1.962	-3.9	93	0.00
62		tert-Butylbenzene	2.217	2.285	-3.1	89	0.00
63		1,2,4-Trimethylbenzene	2.379	2.077	12.7	84	0.00
64		sec-Butylbenzene	2.558	2.635	-3.0	93	0.00
65		p-Isopropyltoluene	2.059	2.033	1.3	87	0.00
66		1,3-Dichlorobenzene	1.440	1.227	14.8	88	0.00
67		1,4-Dichlorobenzene	1.373	1.174	14.5	91	0.00
68		n-Butylbenzene	1.817	1.755	3.4	87	0.00
69		1,2-Dichlorobenzene	1.344	1.154	14.1	88	0.00
70		1,2-Dibromo-3-chloropropane	0.381	0.339	11.0	86	0.00
71		1,2,4-Trichlorobenzene	0.667	0.391	41.4#	80	0.00
72		Hexachlorobutadiene	0.718	0.531	26.0	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report GC/MS 597 D011902

Method : D:\GCMSB\METHODS\AL120120.M (RTE Integrator)
Title : EPA TO-15(09/27/05),GC Column:RTxVolatiles 0.32mm
Last Update : Mon Jan 23 08:17:27 2012
Response via : Initial Calibration

Calibration Files
1 =20JAN006.D 5 =20JAN007.D 10 =20JAN002.D
25 =20JAN005.D 100 =20JAN008.D 250 =20JAN009.D

		Compound	1	5	10	25	100	250	Avg	%RSD	
1)	I	Bromochloromethane	----------ISTD----------								
2)		Propene		1.228	1.266	1.072	1.001	0.778	1.069	18.32	
3)		isobutane		0.037	0.055	0.051	0.052	0.042	0.047	16.33	
4)		1,3-Butadiene	0.841	0.872	0.909	0.773	0.802	0.649	0.808	11.35	
5)		Methanol	3.205	0.609	0.515	0.327	0.303	0.238	0.866	~~133.27~~	N1
6)		Acetaldehyde		0.533	0.437	0.364	0.336	0.268	0.388	26.18	
7)		Ethanol		0.582	0.505	0.462	0.498	0.413	0.492	12.61	
8)		Vinyl Bromide	1.414	1.621	1.582	1.375	1.403	1.139	1.422	12.08	
9)		Isopropanol	3.426	2.791	2.723	2.469	2.630	2.106	2.691	16.17	
10)		Acrolein	0.356	0.510	0.463	0.426	0.502	0.402	0.443	13.50	
11)		t-Butanol	2.027	2.561	2.769	2.553	2.685	2.345	2.490	10.78	
12)		Allyl Chloride	1.672	1.842	1.888	1.804	1.754	1.433	1.732	9.50	
13)		Acrylonitrile		0.814	0.922	0.904	0.962	0.811	0.882	7.66	
14)		t-Butyl methyl ethe	4.935	5.110	5.294	4.697	4.765	3.924	4.788	9.96	
15)		n-Hexane	2.504	2.555	2.722	2.355	2.298	1.827	2.377	12.98	
16)		Isopropyl ether	4.723	4.790	4.975	4.377	4.257	3.257	4.397	14.08	
17)		t-Butyl ethyl ether	1.721	1.973	2.094	1.855	1.909	1.581	1.855	9.83	
18)		Ethyl Acetate		0.443	0.482	0.452	0.425	0.329	0.426	13.64	
19)		2,2-Dichloropropane	2.728	2.773	2.778	2.688	2.833	2.232	2.672	8.28	
20)		Tetrahydrofuran	0.844	0.895	0.888	0.794	0.820	0.666	0.818	10.25	
21)		Cyclohexane	2.429	2.638	2.705	2.404	2.337	1.872	2.397	12.27	
22)		2,2,4-Trimethylpent	7.194	7.607	7.635	6.767	6.378	4.844	6.737	15.55	
23)	I	1,4-Difluorobenzene	----------ISTD----------								
24)	S	1,2-Dichloroethane-	0.400	0.412	0.419	0.424	0.426	0.385	0.411	3.88	
25)		t-Amyl methyl ether	0.901	0.985	1.034	0.957	1.133	1.032	1.007	7.88	
26)		Heptane	0.370	0.433	0.461	0.408	0.458	0.405	0.422	8.34	
27)		1,4-Dioxane	0.349	0.343	0.312	0.292	0.336	0.291	0.320	8.07	
28)		2-chloroethylvinyle			0.001	0.004	0.005	0.004	0.003	~~51.76~~	NA
29)	S	Toluene-d8	0.768	0.770	0.758	0.777	0.799	0.814	0.781	2.71	
30)		Chlorobenzene-d5	----------ISTD----------								
31)		Cyclohexanone		0.544	0.646	0.581	0.644	0.585	0.600	7.36	
32)	S	4-Bromofluorobenzen	0.564	0.553	0.550	0.600	0.640	0.744	0.608	12.24	
33)		Dicyclopentadiene		0.019	0.022	0.023	0.023	0.021	0.022	7.55	
34)		Naphthalene		0.888	0.794	1.374	2.064	1.966	1.417	41.61	
35)		1,2,3-Trichlorobenz				0.001	0.005	0.005	0.004	~~64.47~~	NA

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\26JAN008.D
Acq On : 26 Jan 2012 9:36
Sample : CCV
Misc : 50ML
MS Integration Params: RTEINT.P

Vial: 11
Operator: DT
Inst : GC/MS 597
Multiplr: 1.00

Method : D:\GCMSB\METHODS\AL120120.M (RTE Integrator)
Title : EPA TO-15(09/27/05),GC Column:RTxVolatiles 0.32mm
Last Update : Mon Jan 23 08:17:27 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	96	0.00
2		Propene	1.069	1.131	-5.8	86	0.02
3		isobutane	0.047	0.066	NA ~~-40.4#~~	115	0.02
4		1,3-Butadiene	0.808	0.877	-8.5	93	0.01
5		Methanol	0.866	0.542	NA ~~-37.4#~~	101	0.00
6		Acetaldehyde	0.388	0.391	-0.8	86	0.02
7		Ethanol	0.492	1.123	NA ~~-128.3#~~	214#	0.01
8		Vinyl Bromide	1.422	1.505	-5.8	91	0.02
9		Isopropanol	2.691	2.571	4.5	91	0.00
10		Acrolein	0.443	0.430	2.9	89	0.02
11		t-Butanol	2.490	2.427	2.5	84	0.01
12		Allyl Chloride	1.732	1.782	-2.9	91	0.01
13		Acrylonitrile	0.882	1.022	-15.9	106	0.01
14		t-Butyl methyl ether	4.788	4.938	-3.1	90	0.01
15		n-Hexane	2.377	2.547	-7.2	90	0.00
16		Isopropyl ether	4.397	4.579	-4.1	88	0.01
17		t-Butyl ethyl ether	1.855	1.883	-1.5	86	0.01
18		Ethyl Acetate	0.426	0.429	-0.7	86	0.01
19		2,2-Dichloropropane	2.672	2.715	-1.6	94	0.00
20		Tetrahydrofuran	0.818	0.825	-0.9	89	0.01
21		Cyclohexane	2.397	2.576	-7.5	92	0.01
22		2,2,4-Trimethylpentane	6.737	7.157	-6.2	90	0.00
23	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
24	S	1,2-Dichloroethane-d4	0.411	0.401	2.4	93	0.00
25		t-Amyl methyl ether	1.007	0.919	8.7	86	0.01
26		Heptane	0.422	0.415	1.7	88	0.00
27		1,4-Dioxane	0.320	0.299	6.6	93	0.00
28		2-chloroethylvinylether	0.003	0.001	NA ~~-66.7#~~	123	0.00
29	S	Toluene-d8	0.781	0.728	6.8	93	0.00
30		Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
31		Cyclohexanone	0.600	0.602	-0.3	89	0.00
32	S	4-Bromofluorobenzene	0.608	0.579	4.8	101	0.00
33		Dicyclopentadiene	0.022	0.019	13.6	82	0.00
34		Naphthalene	1.417	0.755	NA ~~-46.7#~~	91	0.00
35		1,2,3-Trichlorobenzene	0.004	0.000	NA ~~100.0#~~	0#	-22.28#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : D:\GCMSB\120123\27JAN003.D
Acq On : 27 Jan 2012 4:30
Sample : CCV
Misc : 50ML
MS Integration Params: RTEINT.P

Vial: 11
Operator: DT
Inst : GC/MS 597
Multiplr: 1.00

Method : D:\GCMSB\METHODS\AL120120.M (RTE Integrator)
Title : EPA TO-15(09/27/05),GC Column:RTxVolatiles 0.32mm
Last Update : Mon Jan 23 08:17:27 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	96	0.01
2		Propene	1.069	1.068	0.1	81	0.02
3		isobutane	0.047	0.056	-19.1	97	0.01
4		1,3-Butadiene	0.808	0.842	-4.2	89	0.02
5		Methanol	0.866	0.438	ND ~~-49.4#~~	82	0.02
6		Acetaldehyde	0.388	0.346	10.8	76	0.03
7		Ethanol	0.492	0.447	9.1	85	0.02
8		Vinyl Bromide	1.422	1.466	-3.1	89	0.02
9		Isopropanol	2.691	2.174	19.2	77	0.01
10		Acrolein	0.443	0.399	9.9	83	0.02
11		t-Butanol	2.490	2.337	6.1	81	0.02
12		Allyl Chloride	1.732	1.795	-3.6	92	0.01
13		Acrylonitrile	0.882	0.985	-11.7	103	0.02
14		t-Butyl methyl ether	4.788	4.770	0.4	87	0.02
15		n-Hexane	2.377	2.457	-3.4	87	0.00
16		Isopropyl ether	4.397	4.420	-0.5	86	0.00
17		t-Butyl ethyl ether	1.855	1.797	3.1	83	0.01
18		Ethyl Acetate	0.426	0.415	2.6	83	0.02
19		2,2-Dichloropropane	2.672	2.554	4.4	89	0.00
20		Tetrahydrofuran	0.818	0.815	0.4	88	0.00
21		Cyclohexane	2.397	2.463	-2.8	88	0.01
22		2,2,4-Trimethylpentane	6.737	6.894	-2.3	87	0.01
23	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
24	S	1,2-Dichloroethane-d4	0.411	0.415	-1.0	92	0.00
25		t-Amyl methyl ether	1.007	0.908	9.8	82	0.01
26		Heptane	0.422	0.406	3.8	82	0.00
27		1,4-Dioxane	0.320	0.301	5.9	90	0.00
28		2-chloroethylvinylether	0.003	0.001	ND ~~-66.7#~~	106	0.02
29	S	Toluene-d8	0.781	0.734	6.0	90	0.00
30		Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
31		Cyclohexanone	0.600	0.587	2.2	84	0.00
32	S	4-Bromofluorobenzene	0.608	0.563	7.4	94	0.00
33		Dicyclopentadiene	0.022	0.020	9.1	83	0.00
34		Naphthalene	1.417	0.705	ND ~~-50.2#~~	82	0.00
35		1,2,3-Trichlorobenzene	0.004	0.000	~~100.0#~~	0#	-22.28#

DT 1/27/12

(#) = Out of Range SPCC's out = 0 CCC's out = 0
27JAN003.D AL120120.M Fri Jan 27 09:57:28 2012 GCMSB

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-02-1268

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 02/28/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-02-1268
		Project Name:	Omega - SVE
		Received:	02/21/12 17:58
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE_1S_022012						
Acetone	**8.0**		2.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**26**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**24**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1.6**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2.8**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_5S_022012						
Chloromethane	**0.56**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_6S_022012						
Acetone	**29**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.77**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.65**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.52**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**2.7**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**9.5**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_8S_022012						
1,1-Dichloroethene	**58**		10	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**61**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**23000**		500	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**100**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**91**		30	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**64**		10	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_9S_022012						
Acetone	**14**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.65**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**97**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.58**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_10S_022012						
Acetone	**4.0**		2.0	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:	12-02-1268
		Project Name:	Omega - SVE
		Received:	02/21/12 17:58
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE_11S_022012						
Acetone	**11**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.74**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_12S_022012						
Acetone	**16**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.98**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.52**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_14S_022012						
Acetone	**9.9**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**2.6**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.60**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**0.91**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3.1**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.65**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.7**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1.9**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3.2**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE_15S_022012						
Acetone	**20**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.92**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.70**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**0.77**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.56**		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:	12-02-1268
		Project Name:	Omega - SVE
		Received:	02/21/12 17:58
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE_1S_022012						
Acetone	**19**		4.8	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**100**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**160**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**24**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**9.0**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**21**		11	ug/m3	EPA TO-15	N/A
OC_SVE_VE_5S_022012						
Chloromethane	**1.2**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.2**		2.5	ug/m3	EPA TO-15	N/A
OC_SVE_VE_6S_022012						
Acetone	**68**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.5**		1.6	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.2**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**2.2**		2.2	ug/m3	EPA TO-15	N/A
Toluene	**10**		1.9	ug/m3	EPA TO-15	N/A
Isopropanol	**23**		12	ug/m3	EPA TO-15	N/A
OC_SVE_VE_8S_022012						
1,1-Dichloroethene	**230**		40	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**240**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**150000**		3400	ug/m3	EPA TO-15	N/A
Trichloroethene	**540**		54	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**700**		230	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**350**		55	ug/m3	EPA TO-15	N/A
OC_SVE_VE_9S_022012						
Acetone	**32**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.2**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2.4**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**660**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.2**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE_VE_10S_022012						
Acetone	**9.5**		4.8	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:	12-02-1268
		Project Name:	Omega - SVE
		Received:	02/21/12 17:58
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE_11S_022012						
Acetone	**26**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.5**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ug/m3	EPA TO-15	N/A
Toluene	**2.0**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE_VE_12S_022012						
Acetone	**39**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**2.0**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ug/m3	EPA TO-15	N/A
Toluene	**2.0**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE_VE_14S_022012						
Acetone	**23**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**8.2**		1.6	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
Ethylbenzene	**4.0**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**21**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.5**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**9.3**		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	**24**		11	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**5.6**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE_15S_022012						
Acetone	**48**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**3.2**		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	**1.9**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.5**		2.5	ug/m3	EPA TO-15	N/A
Ethylbenzene	**3.3**		2.2	ug/m3	EPA TO-15	N/A
Toluene	**4.9**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**3.0**		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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_1S_022012	**12-02-1268-1-A**	**02/20/12 13:25**	**Air**	**GC/MS K**	**N/A**	**02/22/12 19:13**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.0	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	24	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	4.5	0.50	1	
1,1-Dichloroethene	26	0.50	1		Trichlorofluoromethane	1.6	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	2.8	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	84	57-129		1,2-Dichloroethane-d4	115	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-2-A**	**02/20/12 13:31**	**Air**	**GC/MS V**	**N/A**	**02/22/12 01:51**	**120221L01**

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	0.56	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.64	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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-3-A**	**02/20/12 13:32**	**Air**	**GC/MS V**	**N/A**	**02/22/12 02:40**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.77	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	0.52	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	0.65	0.50	1		Toluene	2.7	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	9.5	5.0	1	

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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-4-A**	**02/20/12 13:33**	**Air**	**GC/MS V**	**N/A**	**02/22/12 03:24**	**120221L01**

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	23000	500	1000	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	ND	10	20		Trichloroethene	100	10	20	
1,1-Dichloroethene	58	10	20		Trichlorofluoromethane	ND	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	91	30	20	
Dichlorotetrafluoroethane	ND	40	20		1,1,1-Trichloroethane	64	10	20	
1,2-Dichlorobenzene	ND	10	20		1,1,2-Trichloroethane	ND	10	20	
1,2-Dichloroethane	61	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	123	57-129		1,2-Dichloroethane-d4	109	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-5-A**	**02/20/12 13:34**	**Air**	**GC/MS V**	**N/A**	**02/22/12 04:18**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	14	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	0.53	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	97	0.50	1	
Dichlorodifluoromethane	0.65	0.50	1		Toluene	0.58	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	0.61	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	106	57-129		1,2-Dichloroethane-d4	111	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-6-A**	**02/20/12 13:45**	**Air**	**GC/MS K**	**N/A**	**02/22/12 20:53**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	4.0	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	88	57-129		1,2-Dichloroethane-d4	113	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-7-A**	**02/20/12 13:46**	**Air**	**GC/MS K**	**N/A**	**02/22/12 21:47**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	11	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	0.74	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.63	0.50	1		Toluene	0.53	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	111	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-8-A**	**02/20/12 13:47**	**Air**	**GC/MS K**	**N/A**	**02/22/12 22:40**	**120222L01**

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	0.98	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.62	0.50	1		Toluene	0.52	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	111	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-9-A**	**02/20/12 13:52**	**Air**	**GC/MS K**	**N/A**	**02/22/12 23:35**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.9	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	2.6	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	0.91	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	3.1	0.50	1	
Dichlorodifluoromethane	0.60	0.50	1		Toluene	0.65	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.7	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	1.9	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	3.2	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	1.0	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	110	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-10-A**	**02/20/12 14:02**	**Air**	**GC/MS K**	**N/A**	**02/23/12 00:27**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	20	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	1.0	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	0.77	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	0.92	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.70	0.50	1		Toluene	1.3	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	0.56	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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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	**095-01-021-9,791**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/21/12 14:58**	**120221L01**

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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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	**095-01-021-9,792**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/22/12 10:34**	**120222L01**

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	116	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-1-A**	**02/20/12 13:25**	**Air**	**GC/MS K**	**N/A**	**02/22/12 19:13**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	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	160	3.4	1	
Dichlorodifluoromethane	ND	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	24	2.7	1	
1,1-Dichloroethene	100	2.0	1		Trichlorofluoromethane	9.0	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	21	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	84	57-129		1,2-Dichloroethane-d4	115	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-2-A**	**02/20/12 13:31**	**Air**	**GC/MS V**	**N/A**	**02/22/12 01:51**	**120221L01**

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	1.2	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	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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-3-A**	**02/20/12 13:32**	**Air**	**GC/MS V**	**N/A**	**02/22/12 02:40**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	68	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	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	2.2	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	3.2	2.5	1		Toluene	10	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	23	12	1	

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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-4-A**	**02/20/12 13:33**	**Air**	**GC/MS V**	**N/A**	**02/22/12 03:24**	**120221L01**

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	150000	3400	1000	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	ND	40	20		Trichloroethene	540	54	20	
1,1-Dichloroethene	230	40	20		Trichlorofluoromethane	ND	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	700	230	20	
Dichlorotetrafluoroethane	ND	280	20		1,1,1-Trichloroethane	350	55	20	
1,2-Dichlorobenzene	ND	60	20		1,1,2-Trichloroethane	ND	55	20	
1,2-Dichloroethane	240	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	123	57-129		1,2-Dichloroethane-d4	109	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-5-A**	**02/20/12 13:34**	**Air**	**GC/MS V**	**N/A**	**02/22/12 04:18**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	32	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	660	3.4	1	
Dichlorodifluoromethane	3.2	2.5	1		Toluene	2.2	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	2.4	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	106	57-129		1,2-Dichloroethane-d4	111	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-6-A**	**02/20/12 13:45**	**Air**	**GC/MS K**	**N/A**	**02/22/12 20:53**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.5	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	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	88	57-129		1,2-Dichloroethane-d4	113	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-7-A**	**02/20/12 13:46**	**Air**	**GC/MS K**	**N/A**	**02/22/12 21:47**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	26	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	ND	3.4	1	
Dichlorodifluoromethane	3.1	2.5	1		Toluene	2.0	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	104	57-129		1,2-Dichloroethane-d4	111	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-8-A**	**02/20/12 13:47**	**Air**	**GC/MS K**	**N/A**	**02/22/12 22:40**	**120222L01**

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	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	ND	3.4	1	
Dichlorodifluoromethane	3.1	2.5	1		Toluene	2.0	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	104	57-129		1,2-Dichloroethane-d4	111	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-9-A**	**02/20/12 13:52**	**Air**	**GC/MS K**	**N/A**	**02/22/12 23:35**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	23	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	8.2	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	4.0	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	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	21	3.4	1	
Dichlorodifluoromethane	3.0	2.5	1		Toluene	2.5	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	9.3	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	11	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	24	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	5.6	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	110	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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_022012	**12-02-1268-10-A**	**02/20/12 14:02**	**Air**	**GC/MS K**	**N/A**	**02/23/12 00:27**	**120222L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	48	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	3.2	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	3.3	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	1.9	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	3.5	2.5	1		Toluene	4.9	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	3.0	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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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	**095-01-021-9,791**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/21/12 14:58**	**120221L01**

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	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1268
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	**095-01-021-9,792**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/22/12 10:34**	**120222L01**

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	116	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: 12-02-1268
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,791	**Air**	**GC/MS V**	**N/A**	**02/21/12**	**120221L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	101	99	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	95	93	50-150	33-167	2	0-35	
Acetone	25.00	103	102	50-150	33-167	2	0-35	
Benzene	25.00	99	100	60-156	44-172	2	0-40	
Benzyl Chloride	25.00	125	125	50-150	33-167	0	0-35	
Bromodichloromethane	25.00	117	116	50-150	33-167	1	0-35	
Bromoform	25.00	121	118	62-134	50-146	3	0-38	
Bromomethane	25.00	111	110	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	95	95	50-150	33-167	0	0-35	
2-Butanone	25.00	95	94	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	102	101	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	124	123	64-154	49-169	1	0-32	
Chlorobenzene	25.00	110	110	50-150	33-167	0	0-35	
Chloroethane	25.00	107	106	50-150	33-167	1	0-35	
Chloroform	25.00	112	112	50-150	33-167	1	0-35	
Chloromethane	25.00	90	91	50-150	33-167	1	0-35	
Cyclohexane	25.00	88	89	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	117	116	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	118	117	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	90	89	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	99	99	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	102	95	50-150	33-167	8	0-35	
1,2-Dibromoethane	25.00	111	110	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	111	110	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	120	121	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	117	114	69-153	55-167	3	0-35	
1,2-Dichloropropane	25.00	93	96	67-157	52-172	3	0-35	
1,3-Dichlorobenzene	25.00	116	115	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	119	118	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	121	121	50-150	33-167	0	0-35	
c-1,3-Dichloropropene	25.00	114	114	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	104	103	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	99	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: 12-02-1268
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,791	**Air**	**GC/MS V**	**N/A**	**02/21/12**	**120221L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	135	134	50-150	33-167	1	0-35	
Ethanol	100.0	79	79	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	112	113	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	99	99	50-150	33-167	0	0-35	
Ethylbenzene	25.00	111	110	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	114	112	50-150	33-167	1	0-35	
Heptane	25.00	106	108	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	112	113	50-150	33-167	1	0-35	
Hexane	25.00	97	96	50-150	33-167	1	0-35	
2-Hexanone	25.00	91	92	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	111	108	50-150	33-167	2	0-35	
Methylene Chloride	25.00	97	91	50-150	33-167	7	0-35	
4-Methyl-2-Pentanone	25.00	102	103	50-150	33-167	1	0-35	
Naphthalene	25.00	91	93	40-190	15-215	2	0-35	
o-Xylene	25.00	114	113	52-148	36-164	1	0-38	
p/m-Xylene	50.00	114	113	42-156	23-175	1	0-41	
Propene	25.00	87	89	50-150	33-167	2	0-35	
Styrene	25.00	104	104	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	98	99	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	94	88	50-150	33-167	6	0-35	
Tetrachloroethene	25.00	112	113	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	75	85	50-150	33-167	13	0-35	
Toluene	25.00	102	103	56-146	41-161	1	0-43	
Trichloroethene	25.00	111	111	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	117	110	50-150	33-167	6	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	112	112	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	25.00	124	121	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	108	108	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	93	92	50-150	33-167	1	0-35	
Acrolein	25.00	93	93	50-150	33-167	0	0-35	
Acrylonitrile	25.00	95	93	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	104	104	50-150	33-167	1	0-35	
Propane	50.00	75	77	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: 12-02-1268
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,791	**Air**	**GC/MS V**	**N/A**	**02/21/12**	**120221L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	94	94	50-150	33-167	1	0-35	
Methanol	75.00	43	45	50-150	33-167	6	0-35	ME
2,2,4-Trimethyl Pentane	25.00	83	84	50-150	33-167	2	0-35	
Isobutane	50.00	97	96	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	25.00	92	94	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	114	113	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	98	97	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	116	116	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	105	106	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	78	78	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	98	99	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	88	89	50-150	33-167	1	0-35	
Isopropanol	25.00	94	93	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	109	106	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: 12-02-1268
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,792	**Air**	**GC/MS K**	**N/A**	**02/22/12**	**120222L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	102	97	50-150	33-167	5	0-35	
n-Propylbenzene	25.00	99	93	50-150	33-167	6	0-35	
Acetone	25.00	120	114	50-150	33-167	5	0-35	
Benzene	25.00	102	99	60-156	44-172	3	0-40	
Benzyl Chloride	25.00	120	112	50-150	33-167	7	0-35	
Bromodichloromethane	25.00	111	105	50-150	33-167	6	0-35	
Bromoform	25.00	126	122	62-134	50-146	4	0-38	
Bromomethane	25.00	126	128	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	126	130	50-150	33-167	3	0-35	
2-Butanone	25.00	118	114	50-150	33-167	4	0-35	
Carbon Disulfide	25.00	130	122	50-150	33-167	6	0-35	
Carbon Tetrachloride	25.00	123	115	64-154	49-169	7	0-32	
Chlorobenzene	25.00	107	103	50-150	33-167	4	0-35	
Chloroethane	25.00	131	132	50-150	33-167	1	0-35	
Chloroform	25.00	107	102	50-150	33-167	5	0-35	
Chloromethane	25.00	134	135	50-150	33-167	1	0-35	
Cyclohexane	25.00	104	98	50-150	33-167	7	0-35	
Dibromochloromethane	25.00	121	114	50-150	33-167	5	0-35	
Dichlorodifluoromethane	25.00	125	130	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	99	92	50-150	33-167	7	0-35	
1,1-Dichloroethane	25.00	107	100	50-150	33-167	7	0-35	
1,1-Dichloroethene	25.00	121	117	50-150	33-167	3	0-35	
1,2-Dibromoethane	25.00	110	105	54-144	39-159	5	0-36	
Dichlorotetrafluoroethane	25.00	127	127	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	114	109	34-160	13-181	4	0-47	
1,2-Dichloroethane	25.00	113	105	69-153	55-167	7	0-35	
1,2-Dichloropropane	25.00	103	97	67-157	52-172	6	0-35	
1,3-Dichlorobenzene	25.00	116	111	50-150	33-167	4	0-35	
1,4-Dichlorobenzene	25.00	115	111	36-156	16-176	4	0-47	
1,4-Dioxane	25.00	84	81	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	111	106	61-157	45-173	5	0-35	
c-1,2-Dichloroethene	25.00	103	100	50-150	33-167	3	0-35	
t-1,2-Dichloroethene	25.00	100	97	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: 12-02-1268
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,792	**Air**	**GC/MS K**	**N/A**	**02/22/12**	**120222L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	126	119	50-150	33-167	5	0-35	
Ethanol	100.0	97	99	50-150	33-167	2	0-35	
Ethyl Acetate	25.00	106	103	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	94	88	50-150	33-167	6	0-35	
Ethylbenzene	25.00	109	103	52-154	35-171	5	0-38	
4-Ethyltoluene	25.00	114	109	50-150	33-167	5	0-35	
Heptane	25.00	104	101	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	93	89	50-150	33-167	5	0-35	
Hexane	25.00	110	104	50-150	33-167	6	0-35	
2-Hexanone	25.00	107	98	50-150	33-167	9	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	100	95	50-150	33-167	4	0-35	
Methylene Chloride	25.00	114	108	50-150	33-167	5	0-35	
4-Methyl-2-Pentanone	25.00	108	101	50-150	33-167	7	0-35	
Naphthalene	25.00	71	67	40-190	15-215	5	0-35	
o-Xylene	25.00	113	106	52-148	36-164	6	0-38	
p/m-Xylene	50.00	112	106	42-156	23-175	5	0-41	
Propene	25.00	125	129	50-150	33-167	3	0-35	
Styrene	25.00	105	101	50-150	33-167	4	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	87	84	50-150	33-167	4	0-35	
Tert-Butyl Alcohol (TBA)	50.00	98	95	50-150	33-167	3	0-35	
Tetrachloroethene	25.00	109	106	56-152	40-168	3	0-40	
Tetrahydrofuran	25.00	109	100	50-150	33-167	9	0-35	
Toluene	25.00	109	104	56-146	41-161	4	0-43	
Trichloroethene	25.00	107	103	63-159	47-175	3	0-34	
Trichlorofluoromethane	25.00	128	125	50-150	33-167	3	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	134	128	50-150	33-167	5	0-35	
1,1,1-Trichloroethane	25.00	112	106	50-150	33-167	5	0-35	
1,1,2-Trichloroethane	25.00	103	99	65-149	51-163	4	0-37	
1,2,3-Trichloropropane	25.00	102	95	50-150	33-167	7	0-35	
Acrolein	25.00	115	112	50-150	33-167	3	0-35	
Acrylonitrile	25.00	111	105	50-150	33-167	6	0-35	
Methyl Methacrylate	25.00	107	102	50-150	33-167	4	0-35	
Propane	50.00	116	126	50-150	33-167	8	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: 12-02-1268
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,792	**Air**	**GC/MS K**	**N/A**	**02/22/12**	**120222L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	119	121	50-150	33-167	2	0-35	
Methanol	75.00	55	56	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	96	90	50-150	33-167	7	0-35	
Isobutane	50.00	117	118	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	110	112	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	112	106	50-150	33-167	5	0-35	
1,1,2,2-Tetrachloroethane	25.00	109	102	50-150	33-167	6	0-35	
1,2,4-Trimethylbenzene	25.00	115	109	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	84	79	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	99	90	50-150	33-167	10	0-35	
Vinyl Chloride	25.00	126	129	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	114	117	50-150	33-167	3	0-35	
Isopropanol	25.00	106	101	50-150	33-167	5	0-35	
2-Chlorotoluene	25.00	108	101	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.

Summa Canister Vacuum Summary

Work Order Number: **12-02-1268**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE_1S_022012	-15.00	-29.80	LC146	Summa Canister 1L
OC_SVE_VE_5S_022012	-7.00	-29.80	SLC087	Summa Canister 1L
OC_SVE_VE_6S_022012	-6.00	-29.80	LC295	Summa Canister 1L
OC_SVE_VE_8S_022012	-6.00	-29.80	SLC082	Summa Canister 1L
OC_SVE_VE_9S_022012	-8.50	-29.80	LC258	Summa Canister 1L
OC_SVE_VE_10S_022012	-6.00	-29.80	LC105	Summa Canister 1L
OC_SVE_VE_11S_022012	-7.00	-29.80	LC402	Summa Canister 1L
OC_SVE_VE_12S_022012	-5.00	-29.80	LC446	Summa Canister 1L
OC_SVE_VE_14S_022012	-9.50	-29.80	LC469	Summa Canister 1L
OC_SVE_VE_15S_022012	-11.00	-29.80	LC426	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-02-1268

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: 02/20/12
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
SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr.

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-02-1268

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

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_022012	SP-VE-1S	SV	1058	1L	A25	2/20/2012	1318	-30	2/20/2012	1325	-2	x				
2	OC_SVE_VE-5S_022012	SP-VE-5S	SV	1308	1L	A359	2/20/2012	1324	-30	2/20/2012	1331	-2	x				
3	OC_SVE_VE-6S_022012	SP-VE-6S	SV	1575	1L	A68	2/20/2012	1325	-30	2/20/2012	1332	-2	x				
4	OC_SVE_VE-8S_022012	SP-VE-8S	SV	1285	1L	A021	2/20/2012	1326	-30	2/20/2012	1333	-2	x				
5	OC_SVE_VE-9S_022012	SP-VE-9S	SV	1465	1L	A275	2/20/2012	1327	-30	2/20/2012	1334	-2	x				
6	OC_SVE_VE-10S_022012	SP-VE-10S	SV	1045	1L	A220	2/20/2012	1338	-30	2/20/2012	1345	-2	x				
7	OC_SVE_VE-11S_022012	SP-VE-11S	SV	1393	1L	A233	2/20/2012	1339	-30	2/20/2012	1346	-2	x				
8	OC_SVE_VE-12S_022012	SP-VE-12S	SV	1684	1L	A136	2/20/2012	1340	-28	2/20/2012	1347	-2	x				
9	OC_SVE_VE-14S_022012	SP-VE-14S	SV	1686	1L	A327	2/20/2012	1345	-30	2/20/2012	1352	-2	x				
10	OC_SVE_VE-15S_022012	SP-VE-15S	SV	1432	1L	A239	2/20/2012	1355	-30	2/20/2012	1402	-2	x				
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 2/21/12	Time: 1350
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 2/21/12	Time: 1758
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-02-1268

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 02/21/12

TEMPERATURE: Thermometer ID: SC3 (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:** DCC

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A **Initial:** DCC

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** NS

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:** NS

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: 12-02-1270

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 02/28/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-02-1270
		Project Name:	Omega - SVE1
		Received:	02/21/12 17:58
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_022012						
Chloroform	**22**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**410**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**31**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**6500**		100	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**160**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**54**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**260**		15	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**14**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE_MID_GAC_022012						
Chloroform	**26**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**6.2**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**590**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**13**		0.50	ppb (v/v)	EPA TO-15	N/A
Methylene Chloride	**6.5**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**18**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**12**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**72**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**210**		15	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**9.7**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_EFF_GAC_022012						
Chloroform	**0.52**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.7**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**0.71**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**360**		2.5	ppb (v/v)	EPA TO-15	N/A
Methylene Chloride	**8.3**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**130**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**33**		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:	12-02-1270
		Project Name:	Omega - SVE1
		Received:	02/21/12 17:58
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_022012						
Chloroform	**110**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1600**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**130**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**44000**		680	ug/m3	EPA TO-15	N/A
Trichloroethene	**860**		27	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**310**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2000**		110	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**78**		27	ug/m3	EPA TO-15	N/A
OC_SVE_MID_GAC_022012						
Chloroform	**130**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**5.6**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**25**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2300**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**51**		2.0	ug/m3	EPA TO-15	N/A
Methylene Chloride	**23**		17	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**120**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**66**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**410**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1600**		110	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**53**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_EFF_GAC_022012						
Chloroform	**2.5**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**8.6**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**2.9**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1400**		9.9	ug/m3	EPA TO-15	N/A
Methylene Chloride	**29**		17	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**710**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**250**		11	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1270
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_022012	**12-02-1270-1-A**	**02/20/12 13:13**	**Air**	**GC/MS K**	**N/A**	**02/22/12 03:35**	**120221L01**

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	6500	100	200	
Carbon Tetrachloride	ND	5.0	10		Toluene	ND	5.0	10	
Chloroform	22	5.0	10		Trichloroethene	160	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Trichlorofluoromethane	54	10	10	
1,1-Dichloroethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	260	15	10	
1,1-Dichloroethene	410	5.0	10		1,1,1-Trichloroethane	14	5.0	10	
1,2-Dichloroethane	31	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	103	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

OC_SVE_MID_GAC_022012	**12-02-1270-2-A**	**02/20/12 13:12**	**Air**	**GC/MS K**	**N/A**	**02/22/12 02:50**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	6.5	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	18	0.50	1	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	26	0.50	1		Trichloroethene	12	0.50	1	
Dichlorodifluoromethane	1.1	0.50	1		Trichlorofluoromethane	72	1.0	1	
1,1-Dichloroethane	6.2	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	210	15	10	
1,1-Dichloroethene	590	5.0	10		1,1,1-Trichloroethane	9.7	0.50	1	
1,2-Dichloroethane	13	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	110	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1270
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_022012	**12-02-1270-3-A**	**02/20/12 13:11**	**Air**	**GC/MS K**	**N/A**	**02/22/12 01:59**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	8.3	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	0.52	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	1.7	0.50	1		Trichlorofluoromethane	130	5.0	5	
1,1-Dichloroethane	0.71	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	33	1.5	1	
1,1-Dichloroethene	360	2.5	5		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	110	57-129		1,2-Dichloroethane-d4	115	47-137	
Toluene-d8	93	78-156					

Method Blank	**095-01-021-9,792**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/22/12 10:34**	**120222L01**

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	116	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1270
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	**095-01-021-9,793**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/21/12 16:17**	**120221L01**

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	103	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-9,795**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/23/12 12:54**	**120223L01**

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	100	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1270
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_022012	**12-02-1270-1-A**	**02/20/12 13:13**	**Air**	**GC/MS K**	**N/A**	**02/22/12 03:35**	**120221L01**

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	44000	680	200	
Carbon Tetrachloride	ND	31	10		Toluene	ND	19	10	
Chloroform	110	24	10		Trichloroethene	860	27	10	
Dichlorodifluoromethane	ND	25	10		Trichlorofluoromethane	310	56	10	
1,1-Dichloroethane	ND	20	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	2000	110	10	
1,1-Dichloroethene	1600	20	10		1,1,1-Trichloroethane	78	27	10	
1,2-Dichloroethane	130	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	103	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	96	78-156					

OC_SVE_MID_GAC_022012	**12-02-1270-2-A**	**02/20/12 13:12**	**Air**	**GC/MS K**	**N/A**	**02/22/12 02:50**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	23	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	120	3.4	1	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	130	2.4	1		Trichloroethene	66	2.7	1	
Dichlorodifluoromethane	5.6	2.5	1		Trichlorofluoromethane	410	5.6	1	
1,1-Dichloroethane	25	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	1600	110	10	
1,1-Dichloroethene	2300	20	10		1,1,1-Trichloroethane	53	2.7	1	
1,2-Dichloroethane	51	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	110	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1270
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_022012	**12-02-1270-3-A**	**02/20/12 13:11**	**Air**	**GC/MS K**	**N/A**	**02/22/12 01:59**	**120221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	29	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	2.5	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	8.6	2.5	1		Trichlorofluoromethane	710	28	5	
1,1-Dichloroethane	2.9	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	250	11	1	
1,1-Dichloroethene	1400	9.9	5		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	110	57-129		1,2-Dichloroethane-d4	115	47-137	
Toluene-d8	93	78-156					

Method Blank	**095-01-021-9,792**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/22/12 10:34**	**120222L01**

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	116	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:	02/21/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1270
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	**095-01-021-9,793**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/21/12 16:17**	**120221L01**

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	103	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-9,795**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/23/12 12:54**	**120223L01**

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	100	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.

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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,793	**Air**	**GC/MS K**	**N/A**	**02/21/12**	**120221L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	98	97	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	93	93	50-150	33-167	0	0-35	
Acetone	25.00	108	111	50-150	33-167	3	0-35	
Benzene	25.00	103	104	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	115	114	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	108	107	50-150	33-167	0	0-35	
Bromoform	25.00	119	118	62-134	50-146	1	0-38	
Bromomethane	25.00	114	115	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	112	115	50-150	33-167	3	0-35	
2-Butanone	25.00	107	100	50-150	33-167	7	0-35	
Carbon Disulfide	25.00	124	128	50-150	33-167	4	0-35	
Carbon Tetrachloride	25.00	113	112	64-154	49-169	0	0-32	
Chlorobenzene	25.00	105	105	50-150	33-167	0	0-35	
Chloroethane	25.00	117	120	50-150	33-167	3	0-35	
Chloroform	25.00	104	104	50-150	33-167	0	0-35	
Chloromethane	25.00	116	119	50-150	33-167	3	0-35	
Cyclohexane	25.00	101	101	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	113	113	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	111	112	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	94	95	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	104	105	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	110	111	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	106	106	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	113	114	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	106	105	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	106	106	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	101	102	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	108	108	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	107	107	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	88	87	50-150	33-167	1	0-35	
c-1,3-Dichloropropene	25.00	110	110	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	105	106	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	101	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,793	**Air**	**GC/MS K**	**N/A**	**02/21/12**	**120221L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	122	122	50-150	33-167	0	0-35	
Ethanol	100.0	86	88	50-150	33-167	2	0-35	
Ethyl Acetate	25.00	108	107	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	94	95	50-150	33-167	1	0-35	
Ethylbenzene	25.00	107	106	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	107	108	50-150	33-167	1	0-35	
Heptane	25.00	104	104	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	84	84	50-150	33-167	0	0-35	
Hexane	25.00	106	107	50-150	33-167	0	0-35	
2-Hexanone	25.00	102	103	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	100	100	50-150	33-167	1	0-35	
Methylene Chloride	25.00	102	129	50-150	33-167	24	0-35	
4-Methyl-2-Pentanone	25.00	105	105	50-150	33-167	0	0-35	
Naphthalene	25.00	64	64	40-190	15-215	1	0-35	
o-Xylene	25.00	106	108	52-148	36-164	1	0-38	
p/m-Xylene	50.00	108	108	42-156	23-175	0	0-41	
Propene	25.00	108	113	50-150	33-167	5	0-35	
Styrene	25.00	103	103	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	90	91	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	93	98	50-150	33-167	6	0-35	
Tetrachloroethene	25.00	105	105	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	102	103	50-150	33-167	1	0-35	
Toluene	25.00	107	107	56-146	41-161	0	0-43	
Trichloroethene	25.00	105	105	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	113	115	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	127	130	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	107	107	50-150	33-167	0	0-35	
1,1,2-Trichloroethane	25.00	103	103	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	96	96	50-150	33-167	0	0-35	
Acrolein	25.00	104	107	50-150	33-167	2	0-35	
Acrylonitrile	25.00	100	104	50-150	33-167	4	0-35	
Methyl Methacrylate	25.00	107	107	50-150	33-167	0	0-35	
Propane	50.00	105	109	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,793	**Air**	**GC/MS K**	**N/A**	**02/21/12**	**120221L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	105	110	50-150	33-167	4	0-35	
Methanol	75.00	51	50	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	92	93	50-150	33-167	1	0-35	
Isobutane	50.00	103	106	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	100	103	50-150	33-167	3	0-35	
1,3,5-Trimethylbenzene	25.00	104	105	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	105	104	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	107	108	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	73	75	50-150	33-167	3	0-35	
Vinyl Acetate	25.00	93	93	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	112	115	45-177	23-199	3	0-36	
1,1-Difluoroethane	25.00	98	103	50-150	33-167	4	0-35	
Isopropanol	25.00	97	100	50-150	33-167	4	0-35	
2-Chlorotoluene	25.00	101	102	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,792	**Air**	**GC/MS K**	**N/A**	**02/22/12**	**120222L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	102	97	50-150	33-167	5	0-35	
n-Propylbenzene	25.00	99	93	50-150	33-167	6	0-35	
Acetone	25.00	120	114	50-150	33-167	5	0-35	
Benzene	25.00	102	99	60-156	44-172	3	0-40	
Benzyl Chloride	25.00	120	112	50-150	33-167	7	0-35	
Bromodichloromethane	25.00	111	105	50-150	33-167	6	0-35	
Bromoform	25.00	126	122	62-134	50-146	4	0-38	
Bromomethane	25.00	126	128	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	126	130	50-150	33-167	3	0-35	
2-Butanone	25.00	118	114	50-150	33-167	4	0-35	
Carbon Disulfide	25.00	130	122	50-150	33-167	6	0-35	
Carbon Tetrachloride	25.00	123	115	64-154	49-169	7	0-32	
Chlorobenzene	25.00	107	103	50-150	33-167	4	0-35	
Chloroethane	25.00	131	132	50-150	33-167	1	0-35	
Chloroform	25.00	107	102	50-150	33-167	5	0-35	
Chloromethane	25.00	134	135	50-150	33-167	1	0-35	
Cyclohexane	25.00	104	98	50-150	33-167	7	0-35	
Dibromochloromethane	25.00	121	114	50-150	33-167	5	0-35	
Dichlorodifluoromethane	25.00	125	130	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	99	92	50-150	33-167	7	0-35	
1,1-Dichloroethane	25.00	107	100	50-150	33-167	7	0-35	
1,1-Dichloroethene	25.00	121	117	50-150	33-167	3	0-35	
1,2-Dibromoethane	25.00	110	105	54-144	39-159	5	0-36	
Dichlorotetrafluoroethane	25.00	127	127	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	114	109	34-160	13-181	4	0-47	
1,2-Dichloroethane	25.00	113	105	69-153	55-167	7	0-35	
1,2-Dichloropropane	25.00	103	97	67-157	52-172	6	0-35	
1,3-Dichlorobenzene	25.00	116	111	50-150	33-167	4	0-35	
1,4-Dichlorobenzene	25.00	115	111	36-156	16-176	4	0-47	
1,4-Dioxane	25.00	84	81	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	111	106	61-157	45-173	5	0-35	
c-1,2-Dichloroethene	25.00	103	100	50-150	33-167	3	0-35	
t-1,2-Dichloroethene	25.00	100	97	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,792	**Air**	**GC/MS K**	**N/A**	**02/22/12**	**120222L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	126	119	50-150	33-167	5	0-35	
Ethanol	100.0	97	99	50-150	33-167	2	0-35	
Ethyl Acetate	25.00	106	103	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	94	88	50-150	33-167	6	0-35	
Ethylbenzene	25.00	109	103	52-154	35-171	5	0-38	
4-Ethyltoluene	25.00	114	109	50-150	33-167	5	0-35	
Heptane	25.00	104	101	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	93	89	50-150	33-167	5	0-35	
Hexane	25.00	110	104	50-150	33-167	6	0-35	
2-Hexanone	25.00	107	98	50-150	33-167	9	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	100	95	50-150	33-167	4	0-35	
Methylene Chloride	25.00	114	108	50-150	33-167	5	0-35	
4-Methyl-2-Pentanone	25.00	108	101	50-150	33-167	7	0-35	
Naphthalene	25.00	71	67	40-190	15-215	5	0-35	
o-Xylene	25.00	113	106	52-148	36-164	6	0-38	
p/m-Xylene	50.00	112	106	42-156	23-175	5	0-41	
Propene	25.00	125	129	50-150	33-167	3	0-35	
Styrene	25.00	105	101	50-150	33-167	4	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	87	84	50-150	33-167	4	0-35	
Tert-Butyl Alcohol (TBA)	50.00	98	95	50-150	33-167	3	0-35	
Tetrachloroethene	25.00	109	106	56-152	40-168	3	0-40	
Tetrahydrofuran	25.00	109	100	50-150	33-167	9	0-35	
Toluene	25.00	109	104	56-146	41-161	4	0-43	
Trichloroethene	25.00	107	103	63-159	47-175	3	0-34	
Trichlorofluoromethane	25.00	128	125	50-150	33-167	3	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	134	128	50-150	33-167	5	0-35	
1,1,1-Trichloroethane	25.00	112	106	50-150	33-167	5	0-35	
1,1,2-Trichloroethane	25.00	103	99	65-149	51-163	4	0-37	
1,2,3-Trichloropropane	25.00	102	95	50-150	33-167	7	0-35	
Acrolein	25.00	115	112	50-150	33-167	3	0-35	
Acrylonitrile	25.00	111	105	50-150	33-167	6	0-35	
Methyl Methacrylate	25.00	107	102	50-150	33-167	4	0-35	
Propane	50.00	116	126	50-150	33-167	8	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,792	**Air**	**GC/MS K**	**N/A**	**02/22/12**	**120222L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	119	121	50-150	33-167	2	0-35	
Methanol	75.00	55	56	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	96	90	50-150	33-167	7	0-35	
Isobutane	50.00	117	118	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	110	112	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	112	106	50-150	33-167	5	0-35	
1,1,2,2-Tetrachloroethane	25.00	109	102	50-150	33-167	6	0-35	
1,2,4-Trimethylbenzene	25.00	115	109	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	84	79	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	99	90	50-150	33-167	10	0-35	
Vinyl Chloride	25.00	126	129	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	114	117	50-150	33-167	3	0-35	
Isopropanol	25.00	106	101	50-150	33-167	5	0-35	
2-Chlorotoluene	25.00	108	101	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,795	**Air**	**GC/MS V**	**N/A**	**02/23/12**	**120223L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	100	100	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	94	94	50-150	33-167	0	0-35	
Acetone	25.00	103	107	50-150	33-167	4	0-35	
Benzene	25.00	104	105	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	123	124	50-150	33-167	0	0-35	
Bromodichloromethane	25.00	116	117	50-150	33-167	0	0-35	
Bromoform	25.00	119	117	62-134	50-146	2	0-38	
Bromomethane	25.00	112	115	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	97	102	50-150	33-167	5	0-35	
2-Butanone	25.00	96	99	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	102	105	50-150	33-167	3	0-35	
Carbon Tetrachloride	25.00	123	122	64-154	49-169	1	0-32	
Chlorobenzene	25.00	112	112	50-150	33-167	0	0-35	
Chloroethane	25.00	109	112	50-150	33-167	3	0-35	
Chloroform	25.00	113	114	50-150	33-167	1	0-35	
Chloromethane	25.00	95	98	50-150	33-167	3	0-35	
Cyclohexane	25.00	92	94	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	118	117	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	116	117	50-150	33-167	0	0-35	
Diisopropyl Ether (DIPE)	25.00	91	94	50-150	33-167	3	0-35	
1,1-Dichloroethane	25.00	102	104	50-150	33-167	3	0-35	
1,1-Dichloroethene	25.00	101	104	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	113	113	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	110	112	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	122	122	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	113	114	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	98	99	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	115	116	50-150	33-167	0	0-35	
1,4-Dichlorobenzene	25.00	119	119	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	114	118	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	115	117	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	107	110	50-150	33-167	4	0-35	
t-1,2-Dichloroethene	25.00	101	104	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,795	**Air**	**GC/MS V**	**N/A**	**02/23/12**	**120223L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	134	135	50-150	33-167	0	0-35	
Ethanol	100.0	80	86	50-150	33-167	8	0-35	
Ethyl Acetate	25.00	113	112	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	99	101	50-150	33-167	3	0-35	
Ethylbenzene	25.00	112	113	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	113	113	50-150	33-167	0	0-35	
Heptane	25.00	110	111	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	111	109	50-150	33-167	1	0-35	
Hexane	25.00	100	101	50-150	33-167	2	0-35	
2-Hexanone	25.00	89	90	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	108	110	50-150	33-167	2	0-35	
Methylene Chloride	25.00	96	100	50-150	33-167	4	0-35	
4-Methyl-2-Pentanone	25.00	100	101	50-150	33-167	2	0-35	
Naphthalene	25.00	91	92	40-190	15-215	1	0-35	
o-Xylene	25.00	115	114	52-148	36-164	1	0-38	
p/m-Xylene	50.00	115	113	42-156	23-175	1	0-41	
Propene	25.00	92	95	50-150	33-167	3	0-35	
Styrene	25.00	107	106	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	98	99	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	90	99	50-150	33-167	9	0-35	
Tetrachloroethene	25.00	115	115	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	89	93	50-150	33-167	4	0-35	
Toluene	25.00	106	108	56-146	41-161	2	0-43	
Trichloroethene	25.00	112	113	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	114	116	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	111	114	50-150	33-167	3	0-35	
1,1,1-Trichloroethane	25.00	121	122	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	109	110	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	95	95	50-150	33-167	0	0-35	
Acrolein	25.00	94	97	50-150	33-167	3	0-35	
Acrylonitrile	25.00	96	99	50-150	33-167	3	0-35	
Methyl Methacrylate	25.00	105	107	50-150	33-167	2	0-35	
Propane	50.00	80	84	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: 12-02-1270
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,795	**Air**	**GC/MS V**	**N/A**	**02/23/12**	**120223L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	96	100	50-150	33-167	4	0-35	
Methanol	75.00	46	52	50-150	33-167	13	0-35	ME
2,2,4-Trimethyl Pentane	25.00	87	89	50-150	33-167	2	0-35	
Isobutane	50.00	98	101	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	96	98	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	114	114	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	101	101	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	117	117	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	104	104	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	80	83	50-150	33-167	3	0-35	
Vinyl Chloride	25.00	101	105	45-177	23-199	4	0-36	
1,1-Difluoroethane	25.00	92	95	50-150	33-167	2	0-35	
Isopropanol	25.00	94	102	50-150	33-167	9	0-35	
2-Chlorotoluene	25.00	108	107	50-150	33-167	0	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: **12-02-1270**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_INF_GAC_022012	0.80	-29.80	LC328	Summa Canister 1L
OC_SVE_MID_GAC_022012	-2.00	-29.80	LC523	Summa Canister 1L
OC_SVE_EFF_GAC_022012	-0.10	-29.80	LC481	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-02-1270

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: 02/20/12
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
SAMPLER(S): (NAME/ SIGNATURE) Carlton Hamm Jr.

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-02-1270

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

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_022012	SP-INF-GAC	SV	1539	1L	A210	2/20/2012	1306	-30	2/20/2012	1313	-2	x				
2	OC_SVE_MID_GAC_022012	SP-MID-GAC	SV	1363	1L	A142	2/20/2012	1305	-30	2/20/2012	1312	-2	x				
3	OC_SVE_EFF_GAC_022012	SP-EFF-GAC	SV	1652	1L	A259	2/20/2012	1304	-30	2/20/2012	1311	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
JHA	CCL	2/21/12	1350
CCL	CCL	2/21/12	1758

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-02-1270

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 02/21/12

TEMPERATURE: Thermometer ID: SC3 (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: NS

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:** NS

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** DE

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:** DE

Calscience Environmental Laboratories, Inc.

CEL Work Order #12-02-1270

Client: de maximis, inc.

Omega

QA Summaries

Initial Calibration
Instrument Tune
Continuing Calibration

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-750

Untitled

Response Factor Report GCMS V

Method : C:\MSDCHEM\1\METHODS\111221.M (RTE Integrator)
Title : ICAL 10/26/96
Last Update : Thu Dec 22 09:28:20 2011
Response via : Initial Calibration

Calibration Files
1 =21DEC10.D 2 =21DEC09.D 3 =21DEC08.D 7 =21DEC04.D
4 =21DEC07.D 5 =21DEC06.D 6 =21DEC05.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)		Propene			0.819	0.751	0.699	0.674	0.606	0.710	11.30
3)		1,1,1,2-Tetrafl	0.750	0.718	0.733	0.676	0.637	0.629	0.583	0.675	9.15
4)		1,1-Difluoroeth		0.903	0.928	0.857	0.815	0.806	0.750	0.843	7.82
5)		Propane			0.528	0.482	0.443	0.432	0.380	0.453	12.28
6)		Dichlorodifluor	2.580	2.500	2.497	2.310	2.189	2.137	2.048	2.323	8.89
7)		Chloromethane	0.679	0.629	0.649	0.578	0.567	0.531	0.520	0.593	10.16
8)		Dichlorotetrafl	2.405	2.350	2.336	2.092	1.931	1.717	1.567	2.057	16.08
9)		Isobutane		1.276	1.281	1.120	1.027	0.890	0.777	1.062	19.24
10)		Methanol			0.188	0.167	0.151	0.162	0.145	0.162	10.23
11)		Vinyl Chloride	0.731	0.698	0.743	0.675	0.643	0.610	0.578	0.669	9.20
12)		1,3-Butadiene		0.535	0.558	0.494	0.484	0.450	0.438	0.493	9.46
13)		Butane		1.051	1.096	0.957	0.923	0.830	0.774	0.939	13.21
14)		Bromomethane	0.774	0.775	0.787	0.709	0.706	0.678	0.686	0.731	6.35
15)		Chloroethane	0.301	0.336	0.359	0.322	0.319	0.302	0.303	0.320	6.71
16)		Ethanol		0.251	0.229	0.207	0.199	0.207	0.201	0.216	9.49
17)		Acetone		0.313	0.312	0.285	0.282	0.270	0.277	0.290	6.25
18)		Acrolein		0.225	0.266	0.238	0.243	0.237	0.240	0.242	5.55
19)		Trichlorofluoro	2.524	2.515	2.467	2.143	2.163	1.962	2.025	2.257	10.62
20)		Isopropanol		1.384	1.349	1.137	1.114	1.130	1.159	1.212	9.97
21)		Acrylonitrile		0.447	0.511	0.445	0.463	0.442	0.463	0.462	5.61
22)		1,1-Dichloroeth	1.228	1.287	1.230	1.323	1.079	1.232	1.071	1.207	8.02
23)		Methylene Chlor		0.732	0.615	0.685	0.545	0.623	0.548	0.624	11.90
24)		Tert-Butyl Alco		1.600	1.580	1.632	1.272	1.554	1.382	1.503	9.52
25)		1,1,2-Trichloro		1.694	1.719	1.588	1.492	1.438	1.321	1.542	9.99
26)		Carbon Disulfid	2.281	2.281	2.261	2.096	1.937	1.804	1.604	2.038	13.06
27)		t-1,2-Dichloroe	0.833	0.852	0.887	0.820	0.795	0.784	0.736	0.815	6.03
28)		1,1-Dichloroeth	1.534	1.529	1.575	1.461	1.386	1.378	1.286	1.450	7.20
29)		Methyl-t-Butyl		2.267	2.256	2.175	2.094	2.089	2.003	2.147	4.83
30)		Vinyl Acetate		2.319	2.468	2.303	2.216	2.199	2.079	2.264	5.83
31)		2-Butanone		1.687	1.780	1.634	1.579	1.597	1.511	1.631	5.73
32)		c-1,2-Dichloroe	0.856	0.828	0.887	0.837	0.807	0.796	0.758	0.824	5.09
33)		Hexane		1.145	1.165	1.049	0.950	0.868	0.788	0.994	15.28
34)		Diisopropyl Eth		3.200	3.114	2.934	2.662	2.396		2.861	11.58
35)		Ethyl Acetate			0.094	0.093	0.088	0.083	0.080	0.088	7.30
36)		Chloroform	1.920	1.931	2.004	1.864	1.755	1.732	1.665	1.839	6.71
37)		Tetrahydrofuran		0.940	0.997	0.972	0.923	0.840	0.874	0.924	6.41
38)		Ethyl-t-Butyl E		2.703	2.726	2.662	2.539	2.514	2.360	2.584	5.40
39)	S	1,2-Dichloroeth	1.666	1.653	1.620	1.593	1.582	1.587	1.618	1.617	2.03
40)		1,2-Dichloroeth	1.352	1.358	1.383	1.288	1.236	1.250	1.256	1.303	4.61
41)		1,1,1-Trichloro	2.067	2.006	2.071	1.944	1.880	1.876	1.863	1.958	4.61

Untitled

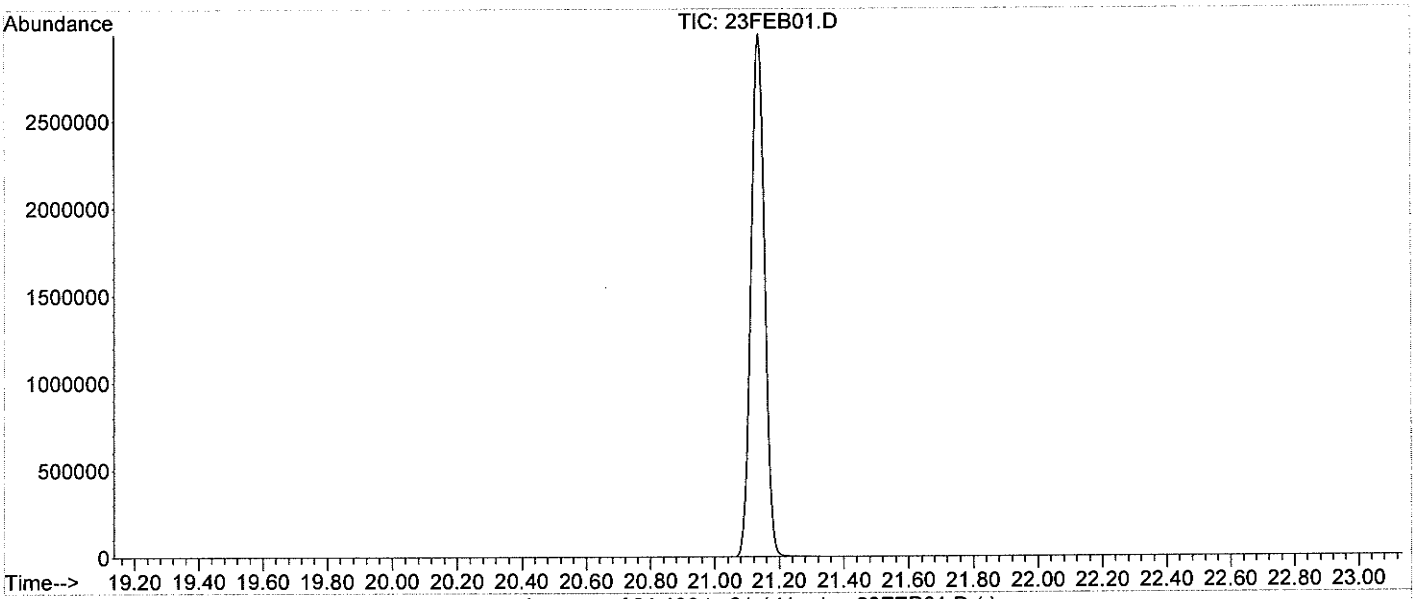
42)	I	1,4-Difluorobenzene	----------ISTD----------								
43)		Benzene	0.631	0.640	0.650	0.611	0.583	0.575	0.551	0.606	6.11
44)		Carbon Tetrachl	0.580	0.578	0.595	0.563	0.545	0.548	0.554	0.566	3.28
45)		Cyclohexane	0.349	0.351	0.360	0.336	0.316	0.304	0.284	0.329	8.58
46)		Tert-Amyl-Methy		0.654	0.680	0.666	0.642	0.640	0.621	0.650	3.19
47)		1,2-Dichloropro	0.245	0.252	0.255	0.240	0.225	0.221	0.206	0.235	7.59
48)		Bromodichlorome	0.582	0.574	0.607	0.573	0.547	0.540	0.535	0.565	4.59
49)		Trichloroethene	0.328	0.339	0.339	0.316	0.302	0.292	0.286	0.315	6.96
50)		2,2,4-Trimethyl	1.238	1.213	1.231	1.108	1.042	0.966	0.898	1.099	12.38
51)		1,4-Dioxane		0.114	0.146	0.135	0.122	0.127	0.114	0.126	9.99
52)		Heptane		0.060	0.063	0.061	0.058	0.055	0.054	0.058	6.09
53)		Methyl Methacry	0.224	0.243	0.246	0.235	0.224	0.220	0.212	0.229	5.50
54)		c-1,3-Dichlorop	0.380	0.381	0.407	0.382	0.371	0.371	0.365	0.380	3.59
55)		4-Methyl-2-Pent		0.226	0.235	0.217	0.204	0.198	0.191	0.212	8.15
56)		t-1,3-Dichlorop	0.307	0.329	0.360	0.342	0.335	0.344	0.349	0.338	4.99
57)		1,1,2-Trichloro	0.237	0.237	0.256	0.237	0.226	0.224	0.217	0.233	5.50
58)	S	Toluene-d8	0.902	0.885	0.891	0.892	0.891	0.898	0.899	0.894	0.66
59)		Chlorobenzene-d5	----------ISTD----------								
60)		Toluene	0.975	1.016	1.011	0.940	0.890	0.874	0.867	0.939	6.78
61)		2-Hexanone		0.405	0.432	0.408	0.389	0.371	0.359	0.394	6.75
62)		Dibromochlorome	0.723	0.745	0.776	0.715	0.688	0.682	0.696	0.718	4.68
63)		1,2-Dibromoetha	0.626	0.630	0.643	0.597	0.570	0.570	0.573	0.601	5.25
64)		Tetrachloroethe	0.623	0.635	0.645	0.606	0.585	0.578	0.585	0.608	4.40
65)		Chlorobenzene	0.796	0.771	0.791	0.727	0.690	0.699	0.703	0.740	6.17
66)		Ethylbenzene	1.241	1.214	1.289	1.166	1.124	1.157	1.180	1.196	4.69
67)		p/m-Xylene	1.058	1.006	1.086	0.971	0.923	0.898	0.832	0.968	9.31
68)		Bromoform	0.850	0.800	0.873	0.776	0.777	0.814	0.823	0.816	4.42
69)		Styrene		0.687	0.766	0.671	0.668	0.723	0.739	0.709	5.64
70)		1,1,2,2-Tetrach	0.994	0.976	1.003	0.915	0.863	0.815	0.759	0.904	10.48
71)		o-Xylene	1.003	0.950	1.050	0.939	0.921	0.947	0.929	0.963	4.86
72)		1,2,3-Trichloro	0.702	0.681	0.709	0.633	0.611	0.625	0.616	0.654	6.42
73)	S	1,4-Bromofluoro	0.725	0.675	0.725	0.680	0.656	0.677	0.654	0.684	4.29
74)		Isopropylbenzen	1.653	1.494	1.611	1.429	1.408	1.468	1.479	1.506	6.08
75)		2-Chlorotoluene	1.092	1.004	1.115	0.996	0.979	1.049	1.054	1.041	4.89
76)		n-Propylbenzene	2.096	1.962	2.129	1.916	1.830	1.864	1.830	1.947	6.32
77)		4-Ethyltoluene	1.605	1.509	1.692	1.574	1.500	1.521	1.534	1.562	4.38
78)		1,3,5-Trimethyl	1.365	1.346	1.473	1.386	1.315	1.305	1.323	1.359	4.27
79)		1,2,4-Trimethyl		1.391	1.492	1.421	1.377	1.357	1.386	1.404	3.40
80)		Benzyl Chloride		0.996	1.212	1.224	1.224	1.207	1.126	1.165	7.79
81)		1,3-Dichloroben	1.141	1.106	1.195	1.120	1.070	1.046	1.066	1.106	4.66
82)		1,4-Dichloroben	1.155	1.107	1.213	1.148	1.112	1.112	1.143	1.141	3.26
83)		1,2-Dichloroben	1.081	1.130	1.148	1.089	1.073	1.065	1.091	1.097	2.78
84)		1,2,4-Trichloro		1.182	1.174	1.148	1.146	1.127		1.155	1.92
85)		Naphthalene		2.159	2.108	1.982	1.962	1.941		2.030	4.78
86)		Hexachloro-1,3-		1.118	1.123	1.122	1.107	0.998		1.094	4.92

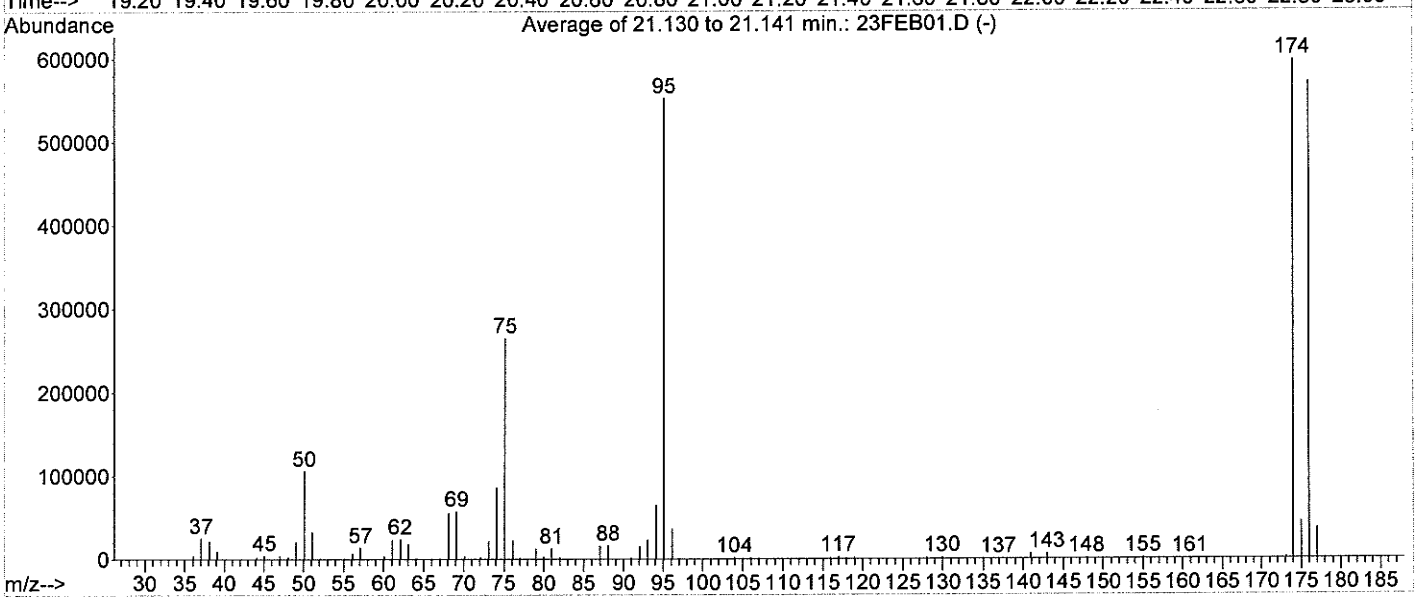
(#) = Out of Range

111221.M Thu Jan 26 15:28:23 2012

Data File : W:\DATA\2012\120223\23FEB01.D
Acq On : 23 Feb 2012 9:25 am
Sample : TUNE CHECK
Misc : IS: AIR 01-23-19 694
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\111221.M (RTE Integrator)
Title : ICAL 10/26/96

Vial: 5
Operator:
Inst : GCMS V
Multiplr: 1.00





AutoFind: Scans 3802, 3803, 3804; Background Corrected with Scan 3787

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	106336	PASS
75	95	30	60	48.0	265216	PASS
95	95	100	100	100.0	552768	PASS
96	95	5	9	6.6	36744	PASS
173	174	0.00	2	0.4	2163	PASS
174	95	50	120	108.1	597354	PASS
175	174	5	9	7.5	44893	PASS
176	174	95	101	95.6	571221	PASS
177	176	5	9	6.5	36973	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 111221IC
INITIAL DATE ANALYZED: 12/21/11

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120223A
CCV DATE ANALYZED: 2/23/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2900	0.2801		3	0-45	PASS
C	Benzene	0.6060	0.5805		4	0-30	PASS
C	Benzyl Chloride	1.1650	1.3821		19	0-30	PASS
C	Bromodichloromethane	0.5653	0.6443		14	0-45	PASS
C	Bromoform	0.8162	0.9017		11	0-30	PASS
C	Bromomethane	0.7309	0.7602		4	0-30	PASS
C	1,3-Butadiene	0.4932	0.4494		9	0-30	PASS
C	2-Butanone	1.6315	1.4202		13	0-30	PASS
C	Carbon Disulfide	2.0377	1.9705		3	0-30	PASS
C	Carbon Tetrachloride	0.5662	0.6756		19	0-30	PASS
C	Chlorobenzene	0.7396	0.7630		3	0-30	PASS
C	Chloroethane	0.3202	0.3173		1	0-30	PASS
C	Chloroform	1.8387	2.0172		10	0-30	PASS
C	Chloromethane	0.5935	0.4821		19	0-30	PASS
C	Cyclohexane	0.3286	0.2888		12	0-30	PASS
C	Dibromochloromethane	0.7179	0.7885		10	0-45	PASS
C	Dichlorodifluoromethane	2.3232	2.5971		12	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.8613	2.6054		9	0-45	PASS
C	1,1-Dichloroethane	1.4498	1.3928		4	0-30	PASS
C	1,1-Dichloroethene	1.2072	1.1808		2	0-30	PASS
C	1,2-Dibromoethane	0.6012	0.6268		4	0-30	PASS
C	Dichlorotetrafluoroethane	2.0570	2.2070		7	0-30	PASS
C	1,2-Dichlorobenzene	1.0969	1.1770		7	0-30	PASS
C	1,2-Dichloroethane	1.3033	1.4648		12	0-30	PASS
C	1,2-Dichloropropane	0.2348	0.2148		9	0-30	PASS
C	1,3-Dichlorobenzene	1.1062	1.1591		5	0-30	PASS
C	1,4-Dichlorobenzene	1.1415	1.2153		6	0-30	PASS
C	1,4-Dioxane	0.1290	0.1403		9	0-30	PASS
C	c-1,3-Dichloropropene	0.3797	0.4080		7	0-30	PASS
C	c-1,2-Dichloroethene	0.8241	0.8377		2	0-30	PASS
C	t-1,2-Dichloroethene	0.8153	0.8078		1	0-45	PASS
C	t-1,3-Dichloropropene	0.3380	0.3961		17	0-30	PASS
C	Ethanol	0.2157	0.2077		4	0-30	PASS
C	Ethyl Acetate	0.0875	0.0908		4	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 111221IC
INITIAL DATE ANALYZED: 12/21/11

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120223A
CCV DATE ANALYZED: 2/23/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.5841	2.5684		1	0-45	PASS
C	Ethylbenzene	1.1957	1.2468		4	0-30	PASS
C	4-Ethyltoluene	1.5622	1.6384		5	0-45	PASS
C	Heptane	0.0584	0.0605		4	0-30	PASS
C	Hexachloro-1,3-Butadiene	1.0938	1.1304		3	0-30	PASS
C	Hexane	0.9941	0.9430		5	0-30	PASS
C	2-Hexanone	0.3940	0.3395		14	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	2.1472	2.2300		4	0-30	PASS
C	Methylene Chloride	0.6244	0.5869		6	0-30	PASS
C	4-Methyl-2-Pentanone	0.2119	0.1921		9	0-30	PASS
C	Naphthalene	2.0305	2.2522		11	0-30	PASS
C	o-Xylene	0.9627	1.0408		8	0-30	PASS
C	p/m-Xylene	0.9679	1.0416		8	0-30	PASS
C	Propene	0.7101	0.5840		18	0-30	PASS
C	Styrene	0.7090	0.7365		4	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.6504	0.6493		0	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.5034	1.4868		1	0-45	PASS
C	Tetrachloroethene	0.6083	0.6441		6	0-30	PASS
C	Tetrahydrofuran	0.9243	0.8130		12	0-30	PASS
C	Toluene	0.9389	0.9150		3	0-30	PASS
C	Trichloroethene	0.3146	0.3375		7	0-30	PASS
C	Trichlorofluoromethane	2.2570	2.5109		11	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5421	1.6425		7	0-30	PASS
C	1,1,1-Trichloroethane	1.9582	2.2745		16	0-30	PASS
C	1,1,2-Trichloroethane	0.2333	0.2437		4	0-30	PASS
C	n-Propylbenzene	1.9468	1.9671		1	0-30	PASS
C	Isopropylbenzene	1.5060	1.5655		4	0-30	PASS
C	2-Chlorotoluene	1.0413	1.1088		6	0-30	PASS
C	Acrolein	0.2416	0.2322		4	0-30	PASS
C	Acrylonitrile	0.4619	0.4671		1	0-30	PASS
C	Methyl Methacrylate	0.1984	0.2271		15	0-30	PASS
C	Propane	0.4530	0.3409		25	0-30	PASS
C	Butane	0.9387	0.8827		6	0-30	PASS
C	Methanol	0.1624	0.1356		17	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 111221IC
INITIAL DATE ANALYZED: 12/21/11

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120223A
CCV DATE ANALYZED: 2/23/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.0764	0.9856		8	0-30	PASS
C	Isobutane	1.0619	1.0530		1	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.6750	0.6388		5	0-30	PASS
C	1,3,5-Trimethylbenzene	1.3592	1.4524		7	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.9037	0.8513		6	0-30	PASS
C	1,2,4-Trimethylbenzene	1.4039	1.5214		8	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1555	1.2828		11	0-30	PASS
C	Vinyl Acetate	2.2639	1.9672		13	0-30	PASS
C	Vinyl Chloride	0.6685	0.6226		7	0-30	PASS
C	1,1-Difluoroethane	0.8433	0.7634		9	0-30	PASS
C	Isopropanol	1.2123	1.2419		2	0-30	PASS

Response Factor Report GCMS K

Method : C:\MSDCHEM\1\METHODS\120116.M (RTE Integrator)
Title : ICAL 10/26/96
Last Update : Mon Jan 16 18:46:32 2012
Response via : Initial Calibration

Calibration Files
1 =16JAN06.D 2 =16JAN05.D 3 =16JAN04.D 7 =16JAN07.D
4 =16JAN03.D 5 =16JAN02.D 6 =16JAN08.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)		Propene			0.589	0.561	0.498	0.526	0.467	0.528	9.20
3)		1,1,1,2-Tetrafl	0.595	0.585	0.622	0.587	0.528	0.557	0.520	0.570	6.50
4)		Propane			0.293	0.277	0.234	0.237	0.211	0.250	13.52
5)		Dichlorodifluor	1.627	1.456	1.484	1.386	1.249	1.230	1.202	1.376	11.45
6)		1,1-Difluoroeth		0.677	0.699	0.663	0.596	0.638	0.593	0.644	6.72
7)		Chloromethane	0.350	0.360	0.377	0.345	0.344	0.359	0.344	0.354	3.38
8)		Dichlorotetrafl	1.620	1.566	1.568	1.425	1.322	1.272	1.088	1.409	13.73
9)		Isobutane		0.739	0.751	0.679	0.658	0.644	0.568	0.673	10.01
10)		Methanol			0.092	0.085	0.084	0.085	0.080	0.085	4.94
11)		Vinyl Chloride	0.541	0.526	0.551	0.503	0.493	0.511	0.493	0.517	4.47
12)		1,3-Butadiene		0.378	0.387	0.348	0.353	0.368	0.352	0.365	4.35
13)		Butane		0.632	0.657	0.579	0.587	0.586	0.540	0.597	6.98
14)		Bromomethane	0.569	0.531	0.551	0.493	0.487	0.495	0.479	0.515	6.84
15)		Chloroethane	0.246	0.243	0.261	0.232	0.239	0.247	0.239	0.244	3.75
16)		Ethanol		0.177	0.172	0.152	0.156	0.161	0.150	0.161	6.75
17)		Acrolein			0.200	0.178	0.183	0.193	0.190	0.189	4.63
18)		Acetone		0.259	0.245	0.218	0.219	0.230	0.224	0.232	7.02
19)		Trichlorofluoro	1.407	1.395	1.439	1.294	1.210	1.191	1.141	1.297	9.18
20)		Isopropanol		0.891	0.888	0.812	0.796	0.831	0.768	0.831	6.00
21)		Acrylonitrile		0.378	0.400	0.369	0.357	0.383	0.375	0.377	3.78
22)		1,1-Dichloroeth	0.916	0.900	0.916	0.841	0.732	0.889	0.765	0.851	8.83
23)		Methylene Chlor		0.612	0.528	0.477	0.407	0.600	0.448	0.512	16.19
24)		Tert-Butyl Alco		1.240	1.299	1.235	1.071	1.408	0.987	1.207	12.70
25)		1,1,2-Trichloro		1.177	1.565	1.106	0.936	1.338	1.181	1.217	17.63
26)		Carbon Disulfid	1.858	1.425	2.059	1.475	1.264	1.868	1.650	1.657	17.22
27)		t-1,2-Dichloroe	0.832	0.829	0.866	0.806	0.751	0.782	0.741	0.801	5.71
28)		1,1-Dichloroeth	1.510	1.450	1.495	1.376	1.277	1.347	1.248	1.386	7.45
29)		Methyl-t-Butyl		2.269	2.324	2.253	2.106	2.100	1.920	2.162	6.91
30)		Vinyl Acetate		1.784	1.862	1.738	1.614	1.707	1.563	1.712	6.41
31)		2-Butanone		1.217	1.074	1.026	0.993	1.287	1.003	1.100	11.17
32)		c-1,2-Dichloroe	0.855	0.852	0.905	0.847	0.791	0.819	0.775	0.835	5.23
33)		Hexane		1.230	1.206	1.086	0.969	0.969	0.842	1.050	14.42
34)		Diisopropyl Eth		2.631	2.552	2.313	2.039	2.019		2.311	12.24
35)		Ethyl Acetate			0.110	0.109	0.102	0.102	0.094	0.103	6.36
36)		Chloroform	1.814	1.736	1.780	1.657	1.524	1.558	1.454	1.646	8.37
37)		Tetrahydrofuran		0.764	0.772	0.723	0.668	0.723	0.662	0.719	6.46
38)		Ethyl-t-Butyl E		2.790	2.804	2.726	2.527	2.487	2.212	2.591	8.82
39)	S	1,2-Dichloroeth	1.435	1.438	1.423	1.417	1.411	1.405	1.435	1.423	0.92
40)		1,2-Dichloroeth	1.221	1.199	1.257	1.185	1.092	1.136	1.082	1.167	5.66
41)		1,1,1-Trichloro	1.835	1.771	1.872	1.773	1.633	1.667	1.554	1.729	6.63
42)	I	1,4-Difluorobenzene	----------ISTD----------								
43)		Benzene	0.679	0.656	0.670	0.623	0.579	0.600	0.557	0.623	7.55

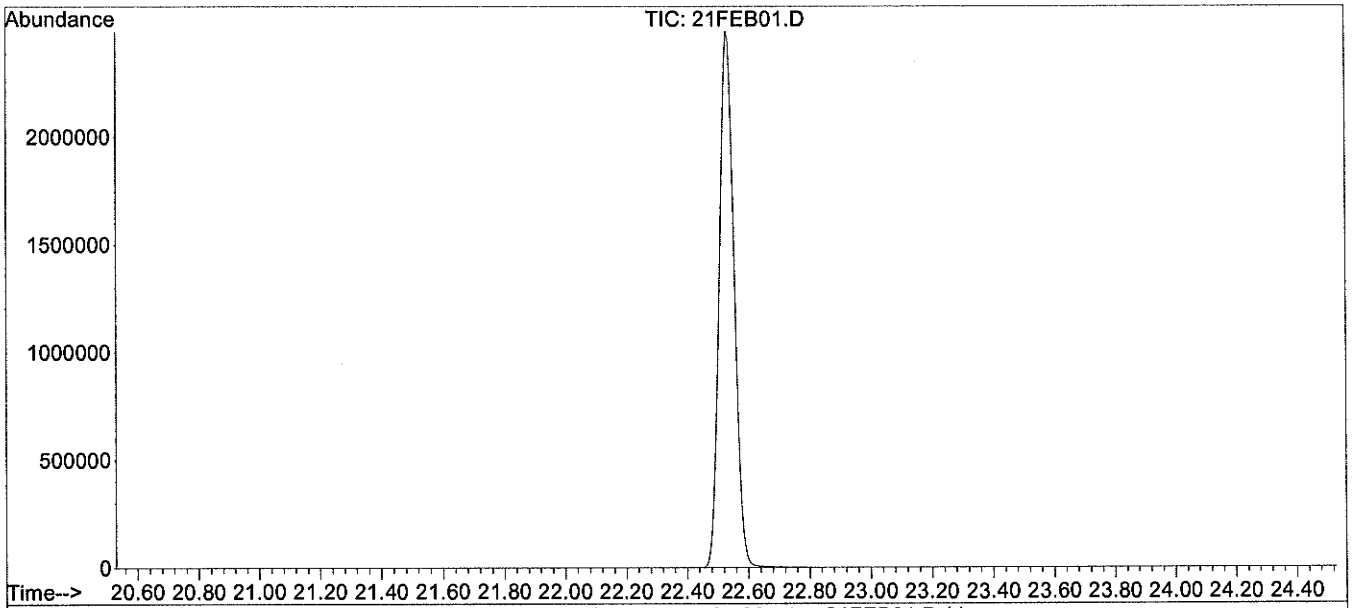
44)		Carbon Tetrachl	0.438	0.429	0.462	0.432	0.396	0.413	0.382	0.422	6.41
45)		Cyclohexane	0.358	0.343	0.343	0.312	0.286	0.302	0.272	0.316	10.18
46)		Tert-Amyl-Methy		0.668	0.677	0.665	0.623	0.609	0.551	0.632	7.66
47)		1,2-Dichloropro	0.248	0.242	0.249	0.228	0.212	0.220	0.200	0.229	8.34
48)		Bromodichlorome	0.454	0.453	0.489	0.460	0.424	0.440	0.414	0.448	5.54
49)		Trichloroethene	0.305	0.300	0.304	0.284	0.262	0.268	0.247	0.281	8.19
50)		2,2,4-Trimethyl	1.306	1.203	1.166	1.058	0.946	0.950	0.818	1.064	16.10
51)		1,4-Dioxane			0.163	0.153	0.141	0.145	0.130	0.146	8.45
52)		Methyl Methacry	0.191	0.217	0.238	0.227	0.214	0.222	0.207	0.217	6.88
53)		Heptane		0.070	0.073	0.067	0.063	0.064	0.060	0.066	7.30
54)		c-1,3-Dichlorop	0.315	0.362	0.402	0.386	0.362	0.378	0.355	0.366	7.59
55)		4-Methyl-2-Pent		0.214	0.221	0.205	0.191	0.201	0.181	0.202	7.30
56)		t-1,3-Dichlorop	0.240	0.297	0.355	0.348	0.329	0.347	0.332	0.321	12.58
57)		1,1,2-Trichloro	0.245	0.240	0.251	0.235	0.219	0.227	0.212	0.233	6.12
58)	S	Toluene-d8	1.066	1.066	1.065	1.060	1.072	1.074	1.084	1.069	0.75
59)		Chlorobenzene-d5	----------ISTD----------								
60)		Toluene	0.913	0.879	0.896	0.853	0.776	0.786	0.710	0.830	8.97
61)		2-Hexanone		0.276	0.306	0.289	0.265	0.275	0.245	0.276	7.61
62)		Dibromochlorome	0.448	0.465	0.518	0.496	0.452	0.457	0.410	0.464	7.55
63)		1,2-Dibromoetha	0.435	0.440	0.464	0.443	0.400	0.408	0.373	0.423	7.33
64)		Tetrachloroethe	0.534	0.513	0.515	0.486	0.433	0.423	0.377	0.469	12.43
65)		Chlorobenzene	0.799	0.766	0.786	0.748	0.674	0.677	0.615	0.723	9.50
66)		Ethylbenzene	1.308	1.280	1.302	1.237	1.106	1.115	0.991	1.191	10.22
67)		p/m-Xylene	1.106	1.063	1.062	1.003	0.886	0.860	0.711	0.956	14.90
68)		Bromoform	0.465	0.499	0.554	0.529	0.470	0.456	0.388	0.480	11.27
69)		Styrene		0.787	0.820	0.791	0.715	0.717	0.649	0.746	8.56
70)		1,1,2,2-Tetrach	0.747	0.714	0.698	0.659	0.589	0.590	0.511	0.644	13.04
71)		o-Xylene	1.106	1.067	1.067	1.014	0.901	0.897	0.786	0.977	12.03
72)		1,2,3-Trichloro	0.605	0.582	0.576	0.545	0.489	0.492	0.442	0.533	11.20
73)	S	1,4-Bromofluoro	0.758	0.748	0.757	0.748	0.759	0.753	0.755	0.754	0.59
74)		Isopropylbenzen	1.758	1.691	1.606	1.529	1.361	1.318	1.149	1.487	14.76
75)		2-Chlorotoluene	1.185	1.133	1.096	1.037	0.929	0.930	0.835	1.021	12.46
76)		n-Propylbenzene	2.169	2.072	1.887	1.787	1.591	1.546	1.342	1.771	16.78
77)		4-Ethyltoluene	1.627	1.579	1.562	1.480	1.318	1.294	1.134	1.428	12.78
78)		1,3,5-Trimethyl	1.445	1.366	1.361	1.276	1.137	1.118	0.985	1.241	13.33
79)		1,2,4-Trimethyl		1.400	1.407	1.323	1.179	1.165	1.040	1.252	11.78
80)		Benzyl Chloride		0.773	1.004	1.025	0.975	1.003	0.863	0.941	10.66
81)		1,3-Dichloroben	1.026	0.975	0.964	0.908	0.803	0.766	0.671	0.873	14.81
82)		1,4-Dichloroben	1.037	0.991	0.975	0.922	0.825	0.808	0.717	0.896	12.93
83)		1,2-Dichloroben	1.006	0.964	0.961	0.906	0.807	0.792	0.703	0.877	12.71
84)		1,2,4-Trichloro		1.183	1.042	1.020	0.913	0.749		0.982	16.45
85)		Naphthalene		2.623	2.214	2.185	1.961	1.596		2.116	17.77
86)		Hexachloro-1,3-		1.275	1.044	0.941	0.806	0.653		0.944	25.04

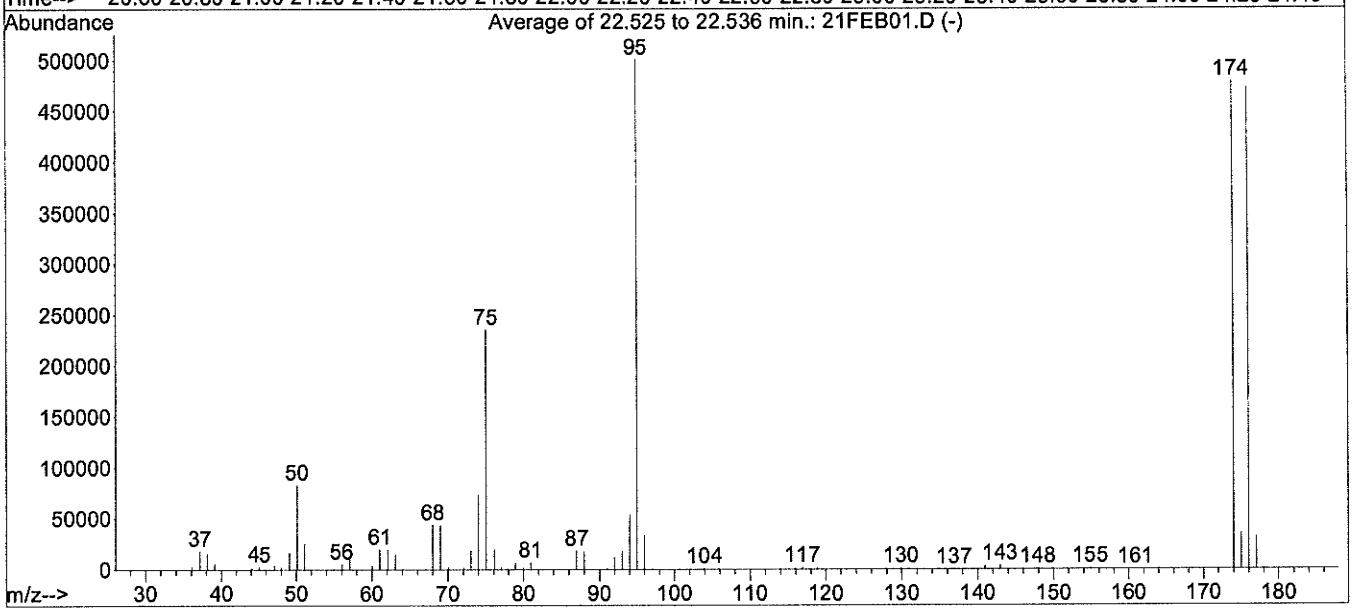
(#) = Out of Range

120116.M Mon Apr 02 14:11:31 2012

Data File : W:\DATA\2012\120221\21FEB01.D
Acq On : 21 Feb 2012 9:46 am
Sample : TUNE CHECK
Misc : AIR 01-23-19 702
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\120116.M (RTE Integrator)
Title : ICAL 10/26/96

Vial: 1
Operator:
Inst : GCMS K
Multiplr: 1.00





AutoFind: Scans 4086, 4087, 4088; Background Corrected with Scan 4070

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	83368	PASS
75	95	30	60	47.1	235840	PASS
95	95	100	100	100.0	501120	PASS
96	95	5	9	6.7	33762	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.5	478762	PASS
175	174	5	9	7.4	35290	PASS
176	174	95	101	98.9	473621	PASS
177	176	5	9	6.7	31813	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120116IC
INITIAL DATE ANALYZED: 1/16/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120221A
CCV DATE ANALYZED: 2/21/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2324	0.2362		2	0-45	PASS
C	Benzene	0.6234	0.5893		5	0-30	PASS
C	Benzyl Chloride	0.9406	0.9544		1	0-30	PASS
C	Bromodichloromethane	0.4475	0.4485		0	0-45	PASS
C	Bromoform	0.4803	0.5326		11	0-30	PASS
C	Bromomethane	0.5150	0.5505		7	0-30	PASS
C	1,3-Butadiene	0.3646	0.3727		2	0-30	PASS
C	2-Butanone	1.1001	0.9409		15	0-30	PASS
C	Carbon Disulfide	1.6569	1.8673		13	0-30	PASS
C	Carbon Tetrachloride	0.4216	0.4406		5	0-30	PASS
C	Chlorobenzene	0.7235	0.7174		1	0-30	PASS
C	Chloroethane	0.2437	0.2544		4	0-30	PASS
C	Chloroform	1.6461	1.5771		4	0-30	PASS
C	Chloromethane	0.3543	0.3516		1	0-30	PASS
C	Cyclohexane	0.3164	0.2873		9	0-30	PASS
C	Dibromochloromethane	0.4637	0.4962		7	0-45	PASS
C	Dichlorodifluoromethane	1.3764	1.4603		6	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.3108	2.0089		13	0-45	PASS
C	1,1-Dichloroethane	1.3862	1.2834		7	0-30	PASS
C	1,1-Dichloroethene	0.8513	0.8818		4	0-30	PASS
C	1,2-Dibromoethane	0.4233	0.4231		0	0-30	PASS
C	Dichlorotetrafluoroethane	1.4088	1.5351		9	0-30	PASS
C	1,2-Dichlorobenzene	0.8769	0.8332		5	0-30	PASS
C	1,2-Dichloroethane	1.1674	1.1304		3	0-30	PASS
C	1,2-Dichloropropane	0.2285	0.2045		11	0-30	PASS
C	1,3-Dichlorobenzene	0.8732	0.8572		2	0-30	PASS
C	1,4-Dichlorobenzene	0.8964	0.8665		3	0-30	PASS
C	1,4-Dioxane	0.1464	0.1465		0	0-30	PASS
C	c-1,3-Dichloropropene	0.3659	0.3567		3	0-30	PASS
C	c-1,2-Dichloroethene	0.8348	0.8010		4	0-30	PASS
C	t-1,2-Dichloroethene	0.8010	0.7804		3	0-45	PASS
C	t-1,3-Dichloropropene	0.3212	0.3264		2	0-30	PASS
C	Ethanol	0.1612	0.1635		1	0-30	PASS
C	Ethyl Acetate	0.1032	0.1021		1	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120116IC
INITIAL DATE ANALYZED: 1/16/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120221A
CCV DATE ANALYZED: 2/21/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.5910	2.2745		12	0-45	PASS
C	Ethylbenzene	1.1914	1.1728		2	0-30	PASS
C	4-Ethyltoluene	1.4277	1.4118		1	0-45	PASS
C	Heptane	0.0660	0.0643		3	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9440	0.8235		13	0-30	PASS
C	Hexane	1.0502	0.9927		5	0-30	PASS
C	2-Hexanone	0.2760	0.2674		3	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	2.1619	1.9525		10	0-30	PASS
C	Methylene Chloride	0.5120	0.5378		5	0-30	PASS
C	4-Methyl-2-Pentanone	0.2023	0.1904		6	0-30	PASS
C	Naphthalene	2.1157	1.7468		17	0-30	PASS
C	o-Xylene	0.9768	0.9788		0	0-30	PASS
C	p/m-Xylene	0.9559	0.9595		0	0-30	PASS
C	Propene	0.5281	0.5039		5	0-30	PASS
C	Styrene	0.7465	0.7566		1	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.6321	0.5611		11	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.2068	1.1437		5	0-45	PASS
C	Tetrachloroethene	0.4687	0.4728		1	0-30	PASS
C	Tetrahydrofuran	0.7189	0.6642		8	0-30	PASS
C	Toluene	0.8305	0.8208		1	0-30	PASS
C	Trichloroethene	0.2813	0.2748		2	0-30	PASS
C	Trichlorofluoromethane	1.2968	1.4333		11	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.2170	1.4186		17	0-30	PASS
C	1,1,1-Trichloroethane	1.7292	1.6668		4	0-30	PASS
C	1,1,2-Trichloroethane	0.2327	0.2207		5	0-30	PASS
C	n-Propylbenzene	1.7707	1.6913		4	0-30	PASS
C	Isopropylbenzene	1.4874	1.4621		2	0-30	PASS
C	2-Chlorotoluene	1.0207	0.9813		4	0-30	PASS
C	Acrolein	0.1871	0.1925		3	0-30	PASS
C	Acrylonitrile	0.3770	0.3852		2	0-30	PASS
C	Methyl Methacrylate	0.1897	0.2113		11	0-30	PASS
C	Propane	0.2505	0.2479		1	0-30	PASS
C	Butane	0.5969	0.6053		1	0-30	PASS
C	Methanol	0.0851	0.0820		4	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

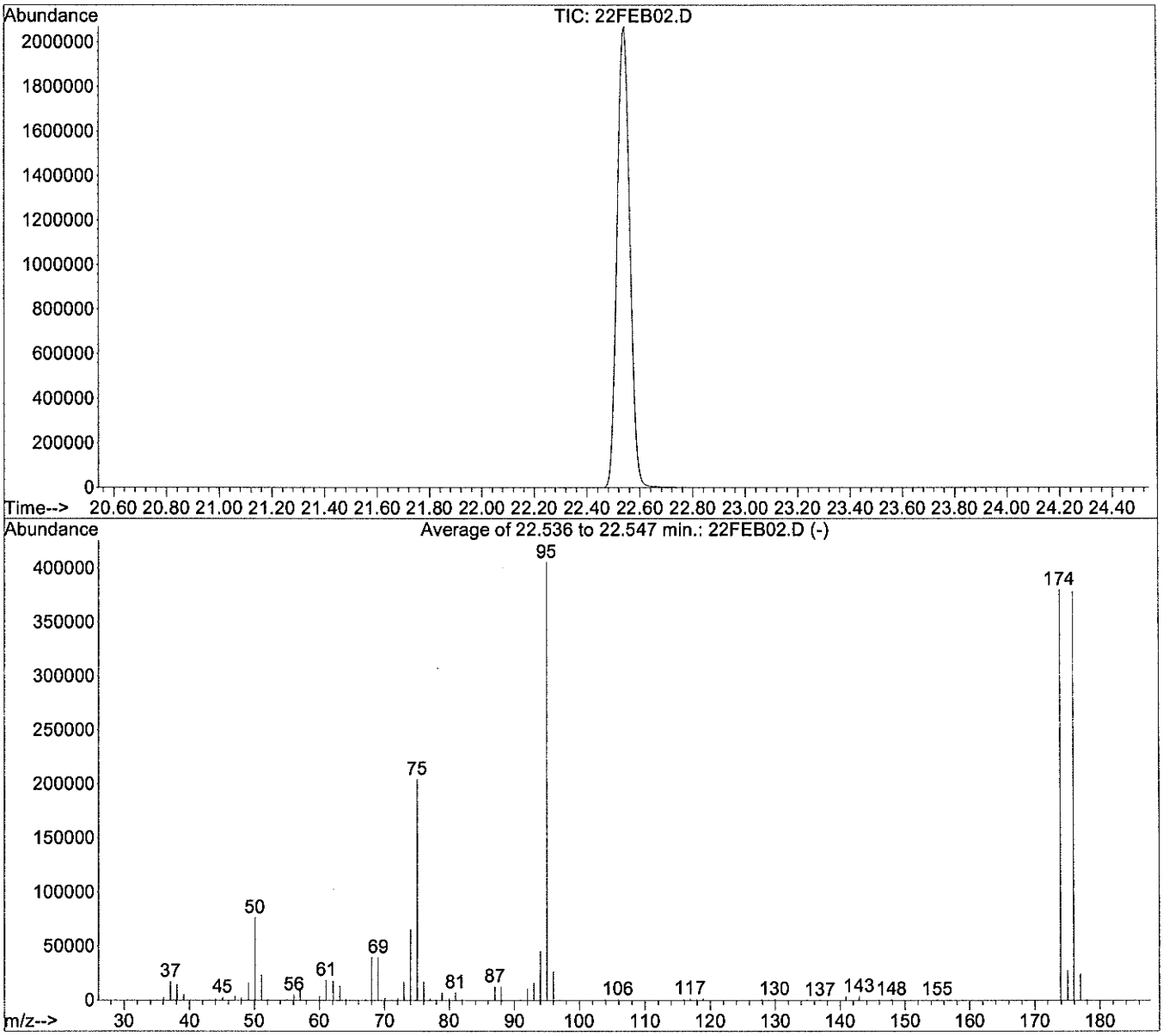
INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120116IC
INITIAL DATE ANALYZED: 1/16/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120221A
CCV DATE ANALYZED: 2/21/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.0235	0.9565		7	0-30	PASS
C	Isobutane	0.6734	0.6840		2	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.4962	0.5299		7	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2413	1.2211		2	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.6441	0.6233		3	0-30	PASS
C	1,2,4-Trimethylbenzene	1.2522	1.2533		0	0-30	PASS
C	1,2,4-Trichlorobenzene	0.9816	0.8346		15	0-30	PASS
C	Vinyl Acetate	1.7115	1.5962		7	0-30	PASS
C	Vinyl Chloride	0.5167	0.5283		2	0-30	PASS
C	1,1-Difluoroethane	0.6443	0.5906		8	0-30	PASS
C	Isopropanol	0.8310	0.8167		2	0-30	PASS

Data File : W:\DATA\2012\120222\22FEB02.D
Acq On : 22 Feb 2012 10:34 am
Sample : TUNE CHECK
Misc : AIR 01-23-19 702
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\120116.M (RTE Integrator)
Title : ICAL 10/26/96

Vial: 1
Operator:
Inst : GCMS K
Multiplr: 1.00



AutoFind: Scans 4089, 4090, 4091; Background Corrected with Scan 4073

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	76632	PASS
75	95	30	60	50.5	204714	PASS
95	95	100	100	100.0	405738	PASS
96	95	5	9	6.6	26725	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.7	380181	PASS
175	174	5	9	7.3	27653	PASS
176	174	95	101	99.5	378389	PASS
177	176	5	9	6.6	24917	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120116IC
INITIAL DATE ANALYZED: 1/16/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120222A
CCV DATE ANALYZED: 2/22/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2324	0.2797		20	0-45	PASS
C	Benzene	0.6234	0.5889		6	0-30	PASS
C	Benzyl Chloride	0.9406	1.0163		8	0-30	PASS
C	Bromodichloromethane	0.4475	0.4848		8	0-45	PASS
C	Bromoform	0.4803	0.5487		14	0-30	PASS
C	Bromomethane	0.5150	0.6095		18	0-30	PASS
C	1,3-Butadiene	0.3646	0.4330		19	0-30	PASS
C	2-Butanone	1.1001	1.1083		1	0-30	PASS
C	Carbon Disulfide	1.6569	1.9980		21	0-30	PASS
C	Carbon Tetrachloride	0.4216	0.4982		18	0-30	PASS
C	Chlorobenzene	0.7235	0.7045		3	0-30	PASS
C	Chloroethane	0.2437	0.2936		21	0-30	PASS
C	Chloroform	1.6461	1.6985		3	0-30	PASS
C	Chloromethane	0.3543	0.4090		15	0-30	PASS
C	Cyclohexane	0.3164	0.3120		1	0-30	PASS
C	Dibromochloromethane	0.4637	0.5141		11	0-45	PASS
C	Dichlorodifluoromethane	1.3764	1.6553		20	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.3108	2.2792		1	0-45	PASS
C	1,1-Dichloroethane	1.3862	1.3962		1	0-30	PASS
C	1,1-Dichloroethene	0.8513	1.0054		18	0-30	PASS
C	1,2-Dibromoethane	0.4233	0.4252		0	0-30	PASS
C	Dichlorotetrafluoroethane	1.4088	1.7201		22	0-30	PASS
C	1,2-Dichlorobenzene	0.8769	0.8677		1	0-30	PASS
C	1,2-Dichloroethane	1.1674	1.2809		10	0-30	PASS
C	1,2-Dichloropropane	0.2285	0.2196		4	0-30	PASS
C	1,3-Dichlorobenzene	0.8732	0.8822		1	0-30	PASS
C	1,4-Dichlorobenzene	0.8964	0.8920		0	0-30	PASS
C	1,4-Dioxane	0.1464	0.1450		1	0-30	PASS
C	c-1,3-Dichloropropene	0.3659	0.3721		2	0-30	PASS
C	c-1,2-Dichloroethene	0.8348	0.8042		4	0-30	PASS
C	t-1,2-Dichloroethene	0.8010	0.7870		2	0-45	PASS
C	t-1,3-Dichloropropene	0.3212	0.3475		8	0-30	PASS
C	Ethanol	0.1612	0.1914		19	0-30	PASS
C	Ethyl Acetate	0.1032	0.1026		1	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120116IC
INITIAL DATE ANALYZED: 1/16/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120222A
CCV DATE ANALYZED: 2/22/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.5910	2.3894		8	0-45	PASS
C	Ethylbenzene	1.1914	1.1755		1	0-30	PASS
C	4-Ethyltoluene	1.4277	1.4570		2	0-45	PASS
C	Heptane	0.0660	0.0645		2	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9440	0.8281		12	0-30	PASS
C	Hexane	1.0502	1.0965		4	0-30	PASS
C	2-Hexanone	0.2760	0.2858		4	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	2.1619	2.0397		6	0-30	PASS
C	Methylene Chloride	0.5120	0.6346		24	0-30	PASS
C	4-Methyl-2-Pentanone	0.2023	0.2069		2	0-30	PASS
C	Naphthalene	2.1157	1.6354		23	0-30	PASS
C	o-Xylene	0.9768	1.0071		3	0-30	PASS
C	p/m-Xylene	0.9559	0.9850		3	0-30	PASS
C	Propene	0.5281	0.6197		17	0-30	PASS
C	Styrene	0.7465	0.7510		1	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.6321	0.5431		14	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.2068	1.2842		6	0-45	PASS
C	Tetrachloroethene	0.4687	0.4673		0	0-30	PASS
C	Tetrahydrofuran	0.7189	0.7648		6	0-30	PASS
C	Toluene	0.8305	0.8052		3	0-30	PASS
C	Trichloroethene	0.2813	0.2808		0	0-30	PASS
C	Trichlorofluoromethane	1.2968	1.6355		26	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.2170	1.5221		25	0-30	PASS
C	1,1,1-Trichloroethane	1.7292	1.8373		6	0-30	PASS
C	1,1,2-Trichloroethane	0.2327	0.2269		2	0-30	PASS
C	n-Propylbenzene	1.7707	1.7276		2	0-30	PASS
C	Isopropylbenzene	1.4874	1.4805		0	0-30	PASS
C	2-Chlorotoluene	1.0207	1.0102		1	0-30	PASS
C	Acrolein	0.1871	0.2249		20	0-30	PASS
C	Acrylonitrile	0.3770	0.4453		18	0-30	PASS
C	Methyl Methacrylate	0.1897	0.2180		15	0-30	PASS
C	Propane	0.2505	0.2999		20	0-30	PASS
C	Butane	0.5969	0.6880		15	0-30	PASS
C	Methanol	0.0851	0.0923		8	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120116IC
INITIAL DATE ANALYZED: 1/16/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120222A
CCV DATE ANALYZED: 2/22/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.0235	1.0314		1	0-30	PASS
C	Isobutane	0.6734	0.7804		16	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.4962	0.6103		23	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2413	1.2640		2	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.6441	0.6348		1	0-30	PASS
C	1,2,4-Trimethylbenzene	1.2522	1.3051		4	0-30	PASS
C	1,2,4-Trichlorobenzene	0.9816	0.8076		18	0-30	PASS
C	Vinyl Acetate	1.7115	1.8514		8	0-30	PASS
C	Vinyl Chloride	0.5167	0.6052		17	0-30	PASS
C	1,1-Difluoroethane	0.6443	0.7317		14	0-30	PASS
C	Isopropanol	0.8310	0.9374		13	0-30	PASS

Calscience Environmental Laboratories, Inc.

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WORK ORDER NUMBER: 12-03-1880

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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 04/11/2012 by:
Stephen Nowak
Project Manager

ResultLink

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Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-03-1880
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1M_032712						
Acetone	**7.2**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**2.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.66**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**390**		24	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.80**		0.50	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**0.73**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**650**		24	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**34**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**18**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**35**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**1.6**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-2S_032712						
Acetone	**43**		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	**0.70**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2.9**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.92**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-2M_032712						
Acetone	**9.5**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.58**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**9.1**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.89**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-3S_032712						
Acetone	**3.0**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.56**		0.50	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
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DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-3M_032712						
Acetone	**9.1**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.55**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.89**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**28**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**3.3**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-4S_032712						
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	**0.71**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
1,4-Dioxane	**96**		33	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**17**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-4M_032712						
Acetone	**31**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.76**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.94**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.60**		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	**3.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**2.9**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.63**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-5M_032712						
Acetone	**5.2**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.76**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.58**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1.3**		0.50	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_VE-7S_032712						
Acetone	**19**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**12**		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	**2.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**3.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Hexane	**2.8**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**53**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**6.1**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-1_032712						
Acetone	**11**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.74**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2.9**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-2_032712						
Acetone	**6.0**		2.1	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.2**		0.52	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.52	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1.6**		0.52	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**1.3**		0.52	ppb (v/v)	EPA TO-15	N/A
Hexane	**2.3**		2.1	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**1.8**		0.52	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**4.7**		2.1	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**23**		0.52	ppb (v/v)	EPA TO-15	N/A
Toluene	**7.1**		0.52	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.9**		0.52	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-3_032712						
Acetone	**16**		2.2	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.66**		0.54	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.55**		0.54	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.54	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**12**		0.54	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.9**		0.54	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.55**		0.54	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-4_032712						
Acetone	**14**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**5.0**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**360**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**750**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**540**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**43**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**84**		7.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-5_032712						
Acetone	**47**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.0**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.60**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.95**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-6_032712						
Acetone	**30**		2.3	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.59**		0.57	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1.4**		0.57	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**160**		5.0	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.77**		0.57	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**6.4**		0.57	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.60**		0.57	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-11_032712						
Acetone	**10**		2.2	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.61**		0.54	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2.8**		0.54	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**55**		0.54	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4.1**		0.54	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-12_032712						
Acetone	**12**		10	ppb (v/v)	EPA TO-15	N/A
Benzene	**50**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2.7**		2.5	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**64**		2.5	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**12**		2.5	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**150**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**200**		2.5	ppb (v/v)	EPA TO-15	N/A
Toluene	**230**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**11**		2.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-13_032712						
Acetone	**4.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**0.53**		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	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**9.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.7**		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	**7.6**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-14_032712						
Acetone	**6.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		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
Tetrachloroethene	**25**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**6.0**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1.5**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-15_032712						
Acetone	**12**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**5.6**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**2.7**		1.5	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.58**		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	**61**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.9**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1.8**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-16_032712						
Acetone	**10**		2.3	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.70**		0.58	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.67**		0.58	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**10**		0.58	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.6**		0.58	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.74**		0.58	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-17_032712						
Acetone	**6.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.74**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**21**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-18_032712						
Acetone	**8.1**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.73**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**20**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**39**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**15**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**2.9**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**6.4**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-19_032712						
Acetone	**9.0**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**29**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**480**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**28**		2.0	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

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DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-20_032712						
Acetone	**16**		2.4	ppb (v/v)	EPA TO-15	N/A
Chloroform	**2.4**		0.60	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.74**		0.60	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**15**		0.60	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**67**		0.60	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**7.4**		0.60	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**3.7**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**18**		1.8	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-21_032712						
Acetone	**10**		2.5	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.64**		0.63	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.68**		0.63	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**22**		0.63	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.63**		0.63	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**3.3**		0.63	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-22_032712						
Acetone	**14**		2.4	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.68**		0.60	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1.1**		0.60	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**50**		0.60	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**5.5**		0.60	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-23_032712						
Acetone	**16**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**27**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**630**		10	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**12**		2.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-24_032712						
Acetone	**3.8**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.66**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**7.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	**4.6**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**250**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**5.4**		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:	12-03-1880
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-25_032712						
Acetone	**9.6**		3.3	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.0**		0.84	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3.1**		0.84	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**80**		0.84	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.6**		0.84	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-26_032712						
Acetone	**11**		2.4	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.70**		0.59	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1.9**		0.59	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-27_032712						
Acetone	**12**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.68**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-25_032712K						
Acetone	**7.1**		3.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3.2**		0.80	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**88**		0.80	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.6**		0.80	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-3_032712K						
Acetone	**14**		2.3	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.69**		0.58	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**21**		0.58	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.64**		0.58	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**0.90**		0.58	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VMP-18_032712K						
Acetone	**12**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.56**		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	**12**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**27**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**9.9**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1.6**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**3.6**		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_VE-1M_032712						
Acetone	**17**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**11**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.3**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1500**		97	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**2.6**		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**3.2**		2.0	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**2.9**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4400**		170	ug/m3	EPA TO-15	N/A
Trichloroethene	**180**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**100**		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	**8.9**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE-2S_032712						
Acetone	**100**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2.8**		2.0	ug/m3	EPA TO-15	N/A
o-Xylene	**2.5**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**20**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**3.5**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE_VE-2M_032712						
Acetone	**23**		4.8	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
1,1-Dichloroethene	**2.7**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**62**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**3.3**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**3.4**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE-3S_032712						
Acetone	**7.2**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.8**		2.5	ug/m3	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_VE-3M_032712						
Acetone	**22**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.6**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.7**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3.5**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**190**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**18**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE-4S_032712						
Acetone	**64**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.5**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2.5**		2.0	ug/m3	EPA TO-15	N/A
1,4-Dioxane	**350**		120	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**110**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**7.5**		2.7	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**3.1**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE-4M_032712						
Acetone	**74**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.4**		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	**1.9**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**2.6**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**24**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**11**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**3.4**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VE-5M_032712						
Acetone	**12**		4.8	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
Tetrachloroethene	**8.7**		3.4	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

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		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-7S_032712						
Acetone	**45**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**38**		1.6	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**9.2**		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	**17**		2.2	ug/m3	EPA TO-15	N/A
Hexane	**9.7**		7.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**360**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**33**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-1_032712						
Acetone	**27**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.5**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.2**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**19**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.5**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-2_032712						
Acetone	**14**		4.9	ug/m3	EPA TO-15	N/A
Benzene	**3.7**		1.7	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.6	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**6.3**		2.1	ug/m3	EPA TO-15	N/A
Ethylbenzene	**5.6**		2.3	ug/m3	EPA TO-15	N/A
Hexane	**8.2**		7.3	ug/m3	EPA TO-15	N/A
o-Xylene	**7.8**		2.3	ug/m3	EPA TO-15	N/A
p/m-Xylene	**20**		9.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**160**		3.5	ug/m3	EPA TO-15	N/A
Toluene	**27**		2.0	ug/m3	EPA TO-15	N/A
Trichloroethene	**16**		2.8	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-3_032712						
Acetone	**38**		5.2	ug/m3	EPA TO-15	N/A
Benzene	**2.1**		1.7	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.1	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.7	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**84**		3.7	ug/m3	EPA TO-15	N/A
Toluene	**7.3**		2.1	ug/m3	EPA TO-15	N/A
Trichloroethene	**3.0**		2.9	ug/m3	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-4_032712						
Acetone	**33**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**20**		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1400**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**5100**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**2900**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**240**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**640**		57	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-5_032712						
Acetone	**110**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**6.0**		4.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.2**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.8**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**14**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**3.6**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-6_032712						
Acetone	**71**		5.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.2**		1.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**5.7**		2.3	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1100**		34	ug/m3	EPA TO-15	N/A
Toluene	**2.9**		2.1	ug/m3	EPA TO-15	N/A
Trichloroethene	**34**		3.1	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**3.3**		3.1	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-11_032712						
Acetone	**24**		5.1	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.7	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**11**		2.1	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**370**		3.7	ug/m3	EPA TO-15	N/A
Trichloroethene	**22**		2.9	ug/m3	EPA TO-15	N/A

*MDL is shown.

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Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-12_032712						
Acetone	**29**		24	ug/m3	EPA TO-15	N/A
Benzene	**160**		8.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**11**		9.9	ug/m3	EPA TO-15	N/A
Ethylbenzene	**280**		11	ug/m3	EPA TO-15	N/A
o-Xylene	**52**		11	ug/m3	EPA TO-15	N/A
p/m-Xylene	**650**		43	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1400**		17	ug/m3	EPA TO-15	N/A
Toluene	**870**		9.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**60**		13	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-13_032712						
Acetone	**11**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**2.6**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**5.3**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**63**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**9.1**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**7.5**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**58**		11	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-14_032712						
Acetone	**16**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**8.3**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**170**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**32**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**12**		11	ug/m3	EPA TO-15	N/A

*MDL is shown.

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DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-15_032712						
Acetone	**29**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**18**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**7.9**		4.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**4.0**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**410**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**7.3**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**13**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**14**		11	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-16_032712						
Acetone	**24**		5.6	ug/m3	EPA TO-15	N/A
Chloromethane	**1.5**		1.2	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.3**		2.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**70**		4.0	ug/m3	EPA TO-15	N/A
Toluene	**6.2**		2.2	ug/m3	EPA TO-15	N/A
Trichloroethene	**4.0**		3.1	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-17_032712						
Acetone	**16**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.6**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**140**		3.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-18_032712						
Acetone	**19**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.6**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**80**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**260**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**79**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**16**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**49**		11	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-19_032712						
Acetone	**21**		19	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**110**		7.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**3200**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**150**		11	ug/m3	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-20_032712						
Acetone	**38**		5.7	ug/m3	EPA TO-15	N/A
Chloroform	**12**		2.9	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.6**		2.9	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**58**		2.4	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**460**		4.0	ug/m3	EPA TO-15	N/A
Trichloroethene	**40**		3.2	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**21**		6.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**140**		14	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-21_032712						
Acetone	**24**		6.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		3.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2.7**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**150**		4.3	ug/m3	EPA TO-15	N/A
Toluene	**2.4**		2.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**18**		3.4	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-22_032712						
Acetone	**34**		5.7	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.4**		2.9	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**4.3**		2.4	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**340**		4.0	ug/m3	EPA TO-15	N/A
Trichloroethene	**29**		3.2	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-23_032712						
Acetone	**38**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**110**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4300**		68	ug/m3	EPA TO-15	N/A
Trichloroethene	**64**		13	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-24_032712						
Acetone	**9.1**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.3**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**29**		2.0	ug/m3	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	**17**		7.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1700**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**29**		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:	12-03-1880
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VMP-25_032712						
Acetone	**23**		7.9	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**5.2**		4.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**12**		3.3	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**540**		5.7	ug/m3	EPA TO-15	N/A
Trichloroethene	**14**		4.5	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-26_032712						
Acetone	**27**		5.6	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.4**		2.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**13**		4.0	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-27_032712						
Acetone	**28**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.3**		2.5	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-25_032712K						
Acetone	**17**		7.6	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**13**		3.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**600**		5.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**8.4**		4.3	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-3_032712K						
Acetone	**33**		5.5	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.4**		2.8	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**150**		3.9	ug/m3	EPA TO-15	N/A
Toluene	**2.4**		2.2	ug/m3	EPA TO-15	N/A
Trichloroethene	**4.9**		3.1	ug/m3	EPA TO-15	N/A
OC_SVE_VMP-18_032712K						
Acetone	**28**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**47**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**180**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**53**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**9.2**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**28**		11	ug/m3	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-1-A**	**03/27/12 15:09**	**Air**	**GC/MS V**	**N/A**	**03/28/12 20:51**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.2	2.0	1		t-1,2-Dichloroethene	0.73	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	2.2	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	650	24	49	
Dichlorodifluoromethane	0.66	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	34	0.50	1	
1,1-Dichloroethene	390	24	49		Trichlorofluoromethane	18	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	35	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	1.6	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	0.64	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	0.80	0.50	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	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-2S_032712	**12-03-1880-2-A**	**03/27/12 14:56**	**Air**	**GC/MS V**	**N/A**	**03/28/12 21:46**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	43	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	0.57	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	2.9	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	0.92	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	0.70	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	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 3 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-2M_032712	**12-03-1880-3-A**	**03/27/12 15:01**	**Air**	**GC/MS V**	**N/A**	**03/28/12 22:37**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.5	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	0.64	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	9.1	0.50	1	
Dichlorodifluoromethane	0.58	0.50	1		Toluene	0.89	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	0.64	0.50	1	
1,1-Dichloroethene	0.68	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 4 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-3S_032712	**12-03-1880-4-A**	**03/27/12 14:40**	**Air**	**GC/MS V**	**N/A**	**03/28/12 23:27**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	3.0	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	0.68	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	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	101	57-129		1,2-Dichloroethane-d4	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 5 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-3M_032712	**12-03-1880-5-A**	**03/27/12 14:35**	**Air**	**GC/MS V**	**N/A**	**03/29/12 00:19**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.1	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	0.79	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	28	0.50	1	
Dichlorodifluoromethane	0.55	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	3.3	0.50	1	
1,1-Dichloroethene	0.89	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	100	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 6 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-4S_032712	**12-03-1880-6-A**	**03/27/12 15:16**	**Air**	**GC/MS V**	**N/A**	**03/29/12 04:37**	**120328L01**

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	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	0.67	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	17	0.50	1	
Dichlorodifluoromethane	0.71	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.4	0.50	1	
1,1-Dichloroethene	0.62	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	0.57	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	96	33	3.31		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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-4M_032712	**12-03-1880-7-A**	**03/27/12 15:21**	**Air**	**GC/MS V**	**N/A**	**03/29/12 05:30**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	31	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.76	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	0.60	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.94	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	3.5	0.50	1	
Dichlorodifluoromethane	0.60	0.50	1		Toluene	2.9	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	0.63	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-5M_032712	**12-03-1880-8-A**	**03/27/12 15:50**	**Air**	**GC/MS V**	**N/A**	**03/29/12 06:22**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.2	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	0.76	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	1.3	0.50	1	
Dichlorodifluoromethane	0.58	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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VE-7S_032712	**12-03-1880-9-A**	**03/27/12 13:17**	**Air**	**GC/MS V**	**N/A**	**03/29/12 07:15**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	12	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	3.8	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	2.8	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	53	0.50	1	
Dichlorodifluoromethane	0.60	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	6.1	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	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-10-A**	**03/27/12 15:26**	**Air**	**GC/MS K**	**N/A**	**03/29/12 17:06**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	11	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	0.74	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	2.9	0.50	1	
Dichlorodifluoromethane	0.64	0.50	1		Toluene	0.67	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	103	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-11-A**	**03/27/12 15:24**	**Air**	**GC/MS K**	**N/A**	**03/29/12 18:00**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.0	2.1	1.04		t-1,2-Dichloroethene	ND	0.52	1.04	
Benzene	1.2	0.52	1.04		t-1,3-Dichloropropene	ND	1.0	1.04	
Benzyl Chloride	ND	1.6	1.04		Ethylbenzene	1.3	0.52	1.04	
Bromodichloromethane	ND	0.52	1.04		4-Ethyltoluene	ND	0.52	1.04	
Bromoform	ND	0.52	1.04		Hexachloro-1,3-Butadiene	ND	1.6	1.04	
Bromomethane	ND	0.52	1.04		Hexane	2.3	2.1	1.04	
2-Butanone	ND	1.6	1.04		2-Hexanone	ND	1.6	1.04	
Carbon Disulfide	ND	2.1	1.04		Methyl-t-Butyl Ether (MTBE)	ND	2.1	1.04	
Carbon Tetrachloride	ND	0.52	1.04		Methylene Chloride	ND	5.2	1.04	
Chlorobenzene	ND	0.52	1.04		4-Methyl-2-Pentanone	ND	1.6	1.04	
Chloroethane	ND	0.52	1.04		o-Xylene	1.8	0.52	1.04	
Chloroform	ND	0.52	1.04		p/m-Xylene	4.7	2.1	1.04	
Chloromethane	ND	0.52	1.04		Styrene	ND	1.6	1.04	
Dibromochloromethane	ND	0.52	1.04		Tetrachloroethene	23	0.52	1.04	
Dichlorodifluoromethane	0.59	0.52	1.04		Toluene	7.1	0.52	1.04	
1,1-Dichloroethane	ND	0.52	1.04		Trichloroethene	2.9	0.52	1.04	
1,1-Dichloroethene	1.6	0.52	1.04		Trichlorofluoromethane	ND	1.0	1.04	
1,2-Dibromoethane	ND	0.52	1.04		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.6	1.04	
Dichlorotetrafluoroethane	ND	2.1	1.04		1,1,1-Trichloroethane	ND	0.52	1.04	
1,2-Dichlorobenzene	ND	0.52	1.04		1,1,2-Trichloroethane	ND	0.52	1.04	
1,2-Dichloroethane	ND	0.52	1.04		1,3,5-Trimethylbenzene	ND	0.52	1.04	
1,2-Dichloropropane	ND	0.52	1.04		1,1,2,2-Tetrachloroethane	ND	1.0	1.04	
1,3-Dichlorobenzene	ND	0.52	1.04		1,2,4-Trimethylbenzene	ND	1.6	1.04	
1,4-Dichlorobenzene	ND	0.52	1.04		1,2,4-Trichlorobenzene	ND	2.1	1.04	
1,4-Dioxane	ND	10	1.04		Vinyl Acetate	ND	2.1	1.04	
c-1,3-Dichloropropene	ND	0.52	1.04		Vinyl Chloride	ND	0.52	1.04	
c-1,2-Dichloroethene	ND	0.52	1.04		Isopropanol	ND	5.2	1.04	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-12-A**	**03/27/12 14:43**	**Air**	**GC/MS K**	**N/A**	**03/29/12 18:53**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	2.2	1.09		t-1,2-Dichloroethene	ND	0.54	1.09	
Benzene	0.66	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	ND	0.54	1.09		p/m-Xylene	ND	2.2	1.09	
Chloromethane	0.55	0.54	1.09		Styrene	ND	1.6	1.09	
Dibromochloromethane	ND	0.54	1.09		Tetrachloroethene	12	0.54	1.09	
Dichlorodifluoromethane	0.59	0.54	1.09		Toluene	1.9	0.54	1.09	
1,1-Dichloroethane	ND	0.54	1.09		Trichloroethene	0.55	0.54	1.09	
1,1-Dichloroethene	ND	0.54	1.09		Trichlorofluoromethane	ND	1.1	1.09	
1,2-Dibromoethane	ND	0.54	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	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	93	57-129		1,2-Dichloroethane-d4	99	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:	03/28/12
Work Order No:	12-03-1880
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-4_032712	**12-03-1880-13-A**	**03/27/12 13:21**	**Air**	**GC/MS K**	**N/A**	**03/30/12 16:52**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	14	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	750	10	20	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	5.0	2.5	5		Trichloroethene	540	10	20	
1,1-Dichloroethene	360	2.5	5		Trichlorofluoromethane	43	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	84	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	104	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-5_032712	**12-03-1880-14-A**	**03/27/12 13:05**	**Air**	**GC/MS K**	**N/A**	**03/29/12 19:46**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	47	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	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	ND	0.50	1	
Chloroform	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.60	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	2.0	0.50	1	
Dichlorodifluoromethane	0.57	0.50	1		Toluene	0.95	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-6_032712	**12-03-1880-15-A**	**03/27/12 12:54**	**Air**	**GC/MS K**	**N/A**	**03/29/12 20:39**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	30	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	0.59	0.57	1.14		Styrene	ND	1.7	1.14	
Dibromochloromethane	ND	0.57	1.14		Tetrachloroethene	160	5.0	10	
Dichlorodifluoromethane	ND	0.57	1.14		Toluene	0.77	0.57	1.14	
1,1-Dichloroethane	ND	0.57	1.14		Trichloroethene	6.4	0.57	1.14	
1,1-Dichloroethene	1.4	0.57	1.14		Trichlorofluoromethane	ND	1.1	1.14	
1,2-Dibromoethane	ND	0.57	1.14		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.7	1.14	
Dichlorotetrafluoroethane	ND	2.3	1.14		1,1,1-Trichloroethane	0.60	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	94	57-129		1,2-Dichloroethane-d4	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-16-A**	**03/27/12 10:39**	**Air**	**GC/MS K**	**N/A**	**03/29/12 21:32**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	10	2.2	1.08		t-1,2-Dichloroethene	ND	0.54	1.08	
Benzene	ND	0.54	1.08		t-1,3-Dichloropropene	ND	1.1	1.08	
Benzyl Chloride	ND	1.6	1.08		Ethylbenzene	ND	0.54	1.08	
Bromodichloromethane	ND	0.54	1.08		4-Ethyltoluene	ND	0.54	1.08	
Bromoform	ND	0.54	1.08		Hexachloro-1,3-Butadiene	ND	1.6	1.08	
Bromomethane	ND	0.54	1.08		Hexane	ND	2.2	1.08	
2-Butanone	ND	1.6	1.08		2-Hexanone	ND	1.6	1.08	
Carbon Disulfide	ND	2.2	1.08		Methyl-t-Butyl Ether (MTBE)	ND	2.2	1.08	
Carbon Tetrachloride	ND	0.54	1.08		Methylene Chloride	ND	5.4	1.08	
Chlorobenzene	ND	0.54	1.08		4-Methyl-2-Pentanone	ND	1.6	1.08	
Chloroethane	ND	0.54	1.08		o-Xylene	ND	0.54	1.08	
Chloroform	ND	0.54	1.08		p/m-Xylene	ND	2.2	1.08	
Chloromethane	ND	0.54	1.08		Styrene	ND	1.6	1.08	
Dibromochloromethane	ND	0.54	1.08		Tetrachloroethene	55	0.54	1.08	
Dichlorodifluoromethane	0.61	0.54	1.08		Toluene	ND	0.54	1.08	
1,1-Dichloroethane	ND	0.54	1.08		Trichloroethene	4.1	0.54	1.08	
1,1-Dichloroethene	2.8	0.54	1.08		Trichlorofluoromethane	ND	1.1	1.08	
1,2-Dibromoethane	ND	0.54	1.08		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.6	1.08	
Dichlorotetrafluoroethane	ND	2.2	1.08		1,1,1-Trichloroethane	ND	0.54	1.08	
1,2-Dichlorobenzene	ND	0.54	1.08		1,1,2-Trichloroethane	ND	0.54	1.08	
1,2-Dichloroethane	ND	0.54	1.08		1,3,5-Trimethylbenzene	ND	0.54	1.08	
1,2-Dichloropropane	ND	0.54	1.08		1,1,2,2-Tetrachloroethane	ND	1.1	1.08	
1,3-Dichlorobenzene	ND	0.54	1.08		1,2,4-Trimethylbenzene	ND	1.6	1.08	
1,4-Dichlorobenzene	ND	0.54	1.08		1,2,4-Trichlorobenzene	ND	2.2	1.08	
1,4-Dioxane	ND	11	1.08		Vinyl Acetate	ND	2.2	1.08	
c-1,3-Dichloropropene	ND	0.54	1.08		Vinyl Chloride	ND	0.54	1.08	
c-1,2-Dichloroethene	ND	0.54	1.08		Isopropanol	ND	5.4	1.08	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-17-A**	**03/27/12 10:28**	**Air**	**GC/MS K**	**N/A**	**03/30/12 17:38**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	10	5		t-1,2-Dichloroethene	ND	2.5	5	
Benzene	50	2.5	5		t-1,3-Dichloropropene	ND	5.0	5	
Benzyl Chloride	ND	7.5	5		Ethylbenzene	64	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	12	2.5	5	
Chloroform	ND	2.5	5		p/m-Xylene	150	10	5	
Chloromethane	ND	2.5	5		Styrene	ND	7.5	5	
Dibromochloromethane	ND	2.5	5		Tetrachloroethene	200	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	230	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	11	2.5	5	
1,1-Dichloroethene	2.7	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	104	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 18 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-13_032712	**12-03-1880-18-A**	**03/27/12 09:32**	**Air**	**GC/MS K**	**N/A**	**03/29/12 22:23**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	4.7	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	0.53	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	9.3	0.50	1	
Dichlorodifluoromethane	0.62	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.7	0.50	1	
1,1-Dichloroethene	1.3	0.50	1		Trichlorofluoromethane	1.3	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	7.6	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	96	57-129		1,2-Dichloroethane-d4	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-14_032712	**12-03-1880-19-A**	**03/27/12 09:42**	**Air**	**GC/MS K**	**N/A**	**03/29/12 23:14**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.7	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	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	25	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	6.0	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	1.5	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	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 20 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-15_032712	**12-03-1880-20-A**	**03/27/12 10:19**	**Air**	**GC/MS K**	**N/A**	**03/30/12 00:10**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	5.6	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	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	61	0.50	1	
Dichlorodifluoromethane	0.58	0.50	1		Toluene	1.9	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	2.4	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	1.8	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-21-A**	**03/27/12 09:21**	**Air**	**GC/MS K**	**N/A**	**03/31/12 20:15**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	10	2.3	1.17		t-1,2-Dichloroethene	ND	0.58	1.17	
Benzene	ND	0.58	1.17		t-1,3-Dichloropropene	ND	1.2	1.17	
Benzyl Chloride	ND	1.8	1.17		Ethylbenzene	ND	0.58	1.17	
Bromodichloromethane	ND	0.58	1.17		4-Ethyltoluene	ND	0.58	1.17	
Bromoform	ND	0.58	1.17		Hexachloro-1,3-Butadiene	ND	1.8	1.17	
Bromomethane	ND	0.58	1.17		Hexane	ND	2.3	1.17	
2-Butanone	ND	1.8	1.17		2-Hexanone	ND	1.8	1.17	
Carbon Disulfide	ND	2.3	1.17		Methyl-t-Butyl Ether (MTBE)	ND	2.3	1.17	
Carbon Tetrachloride	ND	0.58	1.17		Methylene Chloride	ND	5.8	1.17	
Chlorobenzene	ND	0.58	1.17		4-Methyl-2-Pentanone	ND	1.8	1.17	
Chloroethane	ND	0.58	1.17		o-Xylene	ND	0.58	1.17	
Chloroform	ND	0.58	1.17		p/m-Xylene	ND	2.3	1.17	
Chloromethane	0.70	0.58	1.17		Styrene	ND	1.8	1.17	
Dibromochloromethane	ND	0.58	1.17		Tetrachloroethene	10	0.58	1.17	
Dichlorodifluoromethane	0.67	0.58	1.17		Toluene	1.6	0.58	1.17	
1,1-Dichloroethane	ND	0.58	1.17		Trichloroethene	0.74	0.58	1.17	
1,1-Dichloroethene	ND	0.58	1.17		Trichlorofluoromethane	ND	1.2	1.17	
1,2-Dibromoethane	ND	0.58	1.17		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.8	1.17	
Dichlorotetrafluoroethane	ND	2.3	1.17		1,1,1-Trichloroethane	ND	0.58	1.17	
1,2-Dichlorobenzene	ND	0.58	1.17		1,1,2-Trichloroethane	ND	0.58	1.17	
1,2-Dichloroethane	ND	0.58	1.17		1,3,5-Trimethylbenzene	ND	0.58	1.17	
1,2-Dichloropropane	ND	0.58	1.17		1,1,2,2-Tetrachloroethane	ND	1.2	1.17	
1,3-Dichlorobenzene	ND	0.58	1.17		1,2,4-Trimethylbenzene	ND	1.8	1.17	
1,4-Dichlorobenzene	ND	0.58	1.17		1,2,4-Trichlorobenzene	ND	2.3	1.17	
1,4-Dioxane	ND	12	1.17		Vinyl Acetate	ND	2.3	1.17	
c-1,3-Dichloropropene	ND	0.58	1.17		Vinyl Chloride	ND	0.58	1.17	
c-1,2-Dichloroethene	ND	0.58	1.17		Isopropanol	ND	5.8	1.17	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 22 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-17_032712	**12-03-1880-22-A**	**03/27/12 10:08**	**Air**	**GC/MS K**	**N/A**	**03/31/12 04:35**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.7	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	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	21	0.50	1	
Dichlorodifluoromethane	0.74	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 23 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-18_032712	**12-03-1880-23-A**	**03/27/12 16:11**	**Air**	**GC/MS K**	**N/A**	**03/31/12 05:29**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.1	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	39	0.50	1	
Dichlorodifluoromethane	0.73	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	15	0.50	1	
1,1-Dichloroethene	20	0.50	1		Trichlorofluoromethane	2.9	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	6.4	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	104	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 24 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-19_032712	**12-03-1880-24-A**	**03/27/12 16:20**	**Air**	**GC/MS K**	**N/A**	**03/31/12 06:15**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.0	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	ND	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	480	5.0	10	
Dichlorodifluoromethane	ND	2.0	4		Toluene	ND	2.0	4	
1,1-Dichloroethane	ND	2.0	4		Trichloroethene	28	2.0	4	
1,1-Dichloroethene	29	2.0	4		Trichlorofluoromethane	ND	4.0	4	
1,2-Dibromoethane	ND	2.0	4		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	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	96	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-25-A**	**03/27/12 15:43**	**Air**	**GC/MS K**	**N/A**	**03/31/12 07:09**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	2.4	1.19		t-1,2-Dichloroethene	ND	0.60	1.19	
Benzene	ND	0.60	1.19		t-1,3-Dichloropropene	ND	1.2	1.19	
Benzyl Chloride	ND	1.8	1.19		Ethylbenzene	ND	0.60	1.19	
Bromodichloromethane	ND	0.60	1.19		4-Ethyltoluene	ND	0.60	1.19	
Bromoform	ND	0.60	1.19		Hexachloro-1,3-Butadiene	ND	1.8	1.19	
Bromomethane	ND	0.60	1.19		Hexane	ND	2.4	1.19	
2-Butanone	ND	1.8	1.19		2-Hexanone	ND	1.8	1.19	
Carbon Disulfide	ND	2.4	1.19		Methyl-t-Butyl Ether (MTBE)	ND	2.4	1.19	
Carbon Tetrachloride	ND	0.60	1.19		Methylene Chloride	ND	6.0	1.19	
Chlorobenzene	ND	0.60	1.19		4-Methyl-2-Pentanone	ND	1.8	1.19	
Chloroethane	ND	0.60	1.19		o-Xylene	ND	0.60	1.19	
Chloroform	2.4	0.60	1.19		p/m-Xylene	ND	2.4	1.19	
Chloromethane	ND	0.60	1.19		Styrene	ND	1.8	1.19	
Dibromochloromethane	ND	0.60	1.19		Tetrachloroethene	67	0.60	1.19	
Dichlorodifluoromethane	0.74	0.60	1.19		Toluene	ND	0.60	1.19	
1,1-Dichloroethane	ND	0.60	1.19		Trichloroethene	7.4	0.60	1.19	
1,1-Dichloroethene	15	0.60	1.19		Trichlorofluoromethane	3.7	1.2	1.19	
1,2-Dibromoethane	ND	0.60	1.19		1,1,2-Trichloro-1,2,2-Trifluoroethane	18	1.8	1.19	
Dichlorotetrafluoroethane	ND	2.4	1.19		1,1,1-Trichloroethane	ND	0.60	1.19	
1,2-Dichlorobenzene	ND	0.60	1.19		1,1,2-Trichloroethane	ND	0.60	1.19	
1,2-Dichloroethane	ND	0.60	1.19		1,3,5-Trimethylbenzene	ND	0.60	1.19	
1,2-Dichloropropane	ND	0.60	1.19		1,1,2,2-Tetrachloroethane	ND	1.2	1.19	
1,3-Dichlorobenzene	ND	0.60	1.19		1,2,4-Trimethylbenzene	ND	1.8	1.19	
1,4-Dichlorobenzene	ND	0.60	1.19		1,2,4-Trichlorobenzene	ND	2.4	1.19	
1,4-Dioxane	ND	12	1.19		Vinyl Acetate	ND	2.4	1.19	
c-1,3-Dichloropropene	ND	0.60	1.19		Vinyl Chloride	ND	0.60	1.19	
c-1,2-Dichloroethene	ND	0.60	1.19		Isopropanol	ND	6.0	1.19	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-26-A**	**03/27/12 14:31**	**Air**	**GC/MS K**	**N/A**	**03/31/12 21:11**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	10	2.5	1.26		t-1,2-Dichloroethene	ND	0.63	1.26	
Benzene	ND	0.63	1.26		t-1,3-Dichloropropene	ND	1.3	1.26	
Benzyl Chloride	ND	1.9	1.26		Ethylbenzene	ND	0.63	1.26	
Bromodichloromethane	ND	0.63	1.26		4-Ethyltoluene	ND	0.63	1.26	
Bromoform	ND	0.63	1.26		Hexachloro-1,3-Butadiene	ND	1.9	1.26	
Bromomethane	ND	0.63	1.26		Hexane	ND	2.5	1.26	
2-Butanone	ND	1.9	1.26		2-Hexanone	ND	1.9	1.26	
Carbon Disulfide	ND	2.5	1.26		Methyl-t-Butyl Ether (MTBE)	ND	2.5	1.26	
Carbon Tetrachloride	ND	0.63	1.26		Methylene Chloride	ND	6.3	1.26	
Chlorobenzene	ND	0.63	1.26		4-Methyl-2-Pentanone	ND	1.9	1.26	
Chloroethane	ND	0.63	1.26		o-Xylene	ND	0.63	1.26	
Chloroform	ND	0.63	1.26		p/m-Xylene	ND	2.5	1.26	
Chloromethane	ND	0.63	1.26		Styrene	ND	1.9	1.26	
Dibromochloromethane	ND	0.63	1.26		Tetrachloroethene	22	0.63	1.26	
Dichlorodifluoromethane	0.64	0.63	1.26		Toluene	0.63	0.63	1.26	
1,1-Dichloroethane	ND	0.63	1.26		Trichloroethene	3.3	0.63	1.26	
1,1-Dichloroethene	0.68	0.63	1.26		Trichlorofluoromethane	ND	1.3	1.26	
1,2-Dibromoethane	ND	0.63	1.26		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.9	1.26	
Dichlorotetrafluoroethane	ND	2.5	1.26		1,1,1-Trichloroethane	ND	0.63	1.26	
1,2-Dichlorobenzene	ND	0.63	1.26		1,1,2-Trichloroethane	ND	0.63	1.26	
1,2-Dichloroethane	ND	0.63	1.26		1,3,5-Trimethylbenzene	ND	0.63	1.26	
1,2-Dichloropropane	ND	0.63	1.26		1,1,2,2-Tetrachloroethane	ND	1.3	1.26	
1,3-Dichlorobenzene	ND	0.63	1.26		1,2,4-Trimethylbenzene	ND	1.9	1.26	
1,4-Dichlorobenzene	ND	0.63	1.26		1,2,4-Trichlorobenzene	ND	2.5	1.26	
1,4-Dioxane	ND	13	1.26		Vinyl Acetate	ND	2.5	1.26	
c-1,3-Dichloropropene	ND	0.63	1.26		Vinyl Chloride	ND	0.63	1.26	
c-1,2-Dichloroethene	ND	0.63	1.26		Isopropanol	ND	6.3	1.26	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-22_032712	**12-03-1880-27-A**	**03/27/12 13:25**	**Air**	**GC/MS K**	**N/A**	**03/31/12 08:49**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	14	2.4	1.19		t-1,2-Dichloroethene	ND	0.60	1.19	
Benzene	ND	0.60	1.19		t-1,3-Dichloropropene	ND	1.2	1.19	
Benzyl Chloride	ND	1.8	1.19		Ethylbenzene	ND	0.60	1.19	
Bromodichloromethane	ND	0.60	1.19		4-Ethyltoluene	ND	0.60	1.19	
Bromoform	ND	0.60	1.19		Hexachloro-1,3-Butadiene	ND	1.8	1.19	
Bromomethane	ND	0.60	1.19		Hexane	ND	2.4	1.19	
2-Butanone	ND	1.8	1.19		2-Hexanone	ND	1.8	1.19	
Carbon Disulfide	ND	2.4	1.19		Methyl-t-Butyl Ether (MTBE)	ND	2.4	1.19	
Carbon Tetrachloride	ND	0.60	1.19		Methylene Chloride	ND	6.0	1.19	
Chlorobenzene	ND	0.60	1.19		4-Methyl-2-Pentanone	ND	1.8	1.19	
Chloroethane	ND	0.60	1.19		o-Xylene	ND	0.60	1.19	
Chloroform	ND	0.60	1.19		p/m-Xylene	ND	2.4	1.19	
Chloromethane	ND	0.60	1.19		Styrene	ND	1.8	1.19	
Dibromochloromethane	ND	0.60	1.19		Tetrachloroethene	50	0.60	1.19	
Dichlorodifluoromethane	0.68	0.60	1.19		Toluene	ND	0.60	1.19	
1,1-Dichloroethane	ND	0.60	1.19		Trichloroethene	5.5	0.60	1.19	
1,1-Dichloroethene	1.1	0.60	1.19		Trichlorofluoromethane	ND	1.2	1.19	
1,2-Dibromoethane	ND	0.60	1.19		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.8	1.19	
Dichlorotetrafluoroethane	ND	2.4	1.19		1,1,1-Trichloroethane	ND	0.60	1.19	
1,2-Dichlorobenzene	ND	0.60	1.19		1,1,2-Trichloroethane	ND	0.60	1.19	
1,2-Dichloroethane	ND	0.60	1.19		1,3,5-Trimethylbenzene	ND	0.60	1.19	
1,2-Dichloropropane	ND	0.60	1.19		1,1,2,2-Tetrachloroethane	ND	1.2	1.19	
1,3-Dichlorobenzene	ND	0.60	1.19		1,2,4-Trimethylbenzene	ND	1.8	1.19	
1,4-Dichlorobenzene	ND	0.60	1.19		1,2,4-Trichlorobenzene	ND	2.4	1.19	
1,4-Dioxane	ND	12	1.19		Vinyl Acetate	ND	2.4	1.19	
c-1,3-Dichloropropene	ND	0.60	1.19		Vinyl Chloride	ND	0.60	1.19	
c-1,2-Dichloroethene	ND	0.60	1.19		Isopropanol	ND	6.0	1.19	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-28-A**	**03/27/12 11:08**	**Air**	**GC/MS K**	**N/A**	**04/01/12 00:33**	**120331L01**

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	630	10	20	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	12	2.5	5	
1,1-Dichloroethene	27	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	93	57-129		1,2-Dichloroethane-d4	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-24_032712	**12-03-1880-29-A**	**03/27/12 11:00**	**Air**	**GC/MS K**	**N/A**	**03/30/12 01:02**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	3.8	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)	4.6	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	250	5.0	10	
Dichlorodifluoromethane	0.66	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	5.4	0.50	1	
1,1-Dichloroethene	7.3	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	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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-30-A**	**03/27/12 11:17**	**Air**	**GC/MS K**	**N/A**	**04/01/12 01:27**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.6	3.3	1.67		t-1,2-Dichloroethene	ND	0.84	1.67	
Benzene	ND	0.84	1.67		t-1,3-Dichloropropene	ND	1.7	1.67	
Benzyl Chloride	ND	2.5	1.67		Ethylbenzene	ND	0.84	1.67	
Bromodichloromethane	ND	0.84	1.67		4-Ethyltoluene	ND	0.84	1.67	
Bromoform	ND	0.84	1.67		Hexachloro-1,3-Butadiene	ND	2.5	1.67	
Bromomethane	ND	0.84	1.67		Hexane	ND	3.3	1.67	
2-Butanone	ND	2.5	1.67		2-Hexanone	ND	2.5	1.67	
Carbon Disulfide	ND	3.3	1.67		Methyl-t-Butyl Ether (MTBE)	ND	3.3	1.67	
Carbon Tetrachloride	ND	0.84	1.67		Methylene Chloride	ND	8.4	1.67	
Chlorobenzene	ND	0.84	1.67		4-Methyl-2-Pentanone	ND	2.5	1.67	
Chloroethane	ND	0.84	1.67		o-Xylene	ND	0.84	1.67	
Chloroform	ND	0.84	1.67		p/m-Xylene	ND	3.3	1.67	
Chloromethane	ND	0.84	1.67		Styrene	ND	2.5	1.67	
Dibromochloromethane	ND	0.84	1.67		Tetrachloroethene	80	0.84	1.67	
Dichlorodifluoromethane	1.0	0.84	1.67		Toluene	ND	0.84	1.67	
1,1-Dichloroethane	ND	0.84	1.67		Trichloroethene	2.6	0.84	1.67	
1,1-Dichloroethene	3.1	0.84	1.67		Trichlorofluoromethane	ND	1.7	1.67	
1,2-Dibromoethane	ND	0.84	1.67		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.5	1.67	
Dichlorotetrafluoroethane	ND	3.3	1.67		1,1,1-Trichloroethane	ND	0.84	1.67	
1,2-Dichlorobenzene	ND	0.84	1.67		1,1,2-Trichloroethane	ND	0.84	1.67	
1,2-Dichloroethane	ND	0.84	1.67		1,3,5-Trimethylbenzene	ND	0.84	1.67	
1,2-Dichloropropane	ND	0.84	1.67		1,1,2,2-Tetrachloroethane	ND	1.7	1.67	
1,3-Dichlorobenzene	ND	0.84	1.67		1,2,4-Trimethylbenzene	ND	2.5	1.67	
1,4-Dichlorobenzene	ND	0.84	1.67		1,2,4-Trichlorobenzene	ND	3.3	1.67	
1,4-Dioxane	ND	17	1.67		Vinyl Acetate	ND	3.3	1.67	
c-1,3-Dichloropropene	ND	0.84	1.67		Vinyl Chloride	ND	0.84	1.67	
c-1,2-Dichloroethene	ND	0.84	1.67		Isopropanol	ND	8.4	1.67	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	103	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-31-A**	**03/27/12 14:19**	**Air**	**GC/MS K**	**N/A**	**03/31/12 18:25**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	11	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	ND	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	1.9	0.59	1.18	
Dichlorodifluoromethane	0.70	0.59	1.18		Toluene	ND	0.59	1.18	
1,1-Dichloroethane	ND	0.59	1.18		Trichloroethene	ND	0.59	1.18	
1,1-Dichloroethene	ND	0.59	1.18		Trichlorofluoromethane	ND	1.2	1.18	
1,2-Dibromoethane	ND	0.59	1.18		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.8	1.18	
Dichlorotetrafluoroethane	ND	2.4	1.18		1,1,1-Trichloroethane	ND	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-32-A**	**03/27/12 14:02**	**Air**	**GC/MS K**	**N/A**	**03/31/12 19:20**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	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	0.68	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712K	**12-03-1880-33-A**	**03/27/12 11:25**	**Air**	**GC/MS K**	**N/A**	**04/01/12 02:23**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.1	3.2	1.59		t-1,2-Dichloroethene	ND	0.80	1.59	
Benzene	ND	0.80	1.59		t-1,3-Dichloropropene	ND	1.6	1.59	
Benzyl Chloride	ND	2.4	1.59		Ethylbenzene	ND	0.80	1.59	
Bromodichloromethane	ND	0.80	1.59		4-Ethyltoluene	ND	0.80	1.59	
Bromoform	ND	0.80	1.59		Hexachloro-1,3-Butadiene	ND	2.4	1.59	
Bromomethane	ND	0.80	1.59		Hexane	ND	3.2	1.59	
2-Butanone	ND	2.4	1.59		2-Hexanone	ND	2.4	1.59	
Carbon Disulfide	ND	3.2	1.59		Methyl-t-Butyl Ether (MTBE)	ND	3.2	1.59	
Carbon Tetrachloride	ND	0.80	1.59		Methylene Chloride	ND	8.0	1.59	
Chlorobenzene	ND	0.80	1.59		4-Methyl-2-Pentanone	ND	2.4	1.59	
Chloroethane	ND	0.80	1.59		o-Xylene	ND	0.80	1.59	
Chloroform	ND	0.80	1.59		p/m-Xylene	ND	3.2	1.59	
Chloromethane	ND	0.80	1.59		Styrene	ND	2.4	1.59	
Dibromochloromethane	ND	0.80	1.59		Tetrachloroethene	88	0.80	1.59	
Dichlorodifluoromethane	ND	0.80	1.59		Toluene	ND	0.80	1.59	
1,1-Dichloroethane	ND	0.80	1.59		Trichloroethene	1.6	0.80	1.59	
1,1-Dichloroethene	3.2	0.80	1.59		Trichlorofluoromethane	ND	1.6	1.59	
1,2-Dibromoethane	ND	0.80	1.59		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.4	1.59	
Dichlorotetrafluoroethane	ND	3.2	1.59		1,1,1-Trichloroethane	ND	0.80	1.59	
1,2-Dichlorobenzene	ND	0.80	1.59		1,1,2-Trichloroethane	ND	0.80	1.59	
1,2-Dichloroethane	ND	0.80	1.59		1,3,5-Trimethylbenzene	ND	0.80	1.59	
1,2-Dichloropropane	ND	0.80	1.59		1,1,2,2-Tetrachloroethane	ND	1.6	1.59	
1,3-Dichlorobenzene	ND	0.80	1.59		1,2,4-Trimethylbenzene	ND	2.4	1.59	
1,4-Dichlorobenzene	ND	0.80	1.59		1,2,4-Trichlorobenzene	ND	3.2	1.59	
1,4-Dioxane	ND	16	1.59		Vinyl Acetate	ND	3.2	1.59	
c-1,3-Dichloropropene	ND	0.80	1.59		Vinyl Chloride	ND	0.80	1.59	
c-1,2-Dichloroethene	ND	0.80	1.59		Isopropanol	ND	8.0	1.59	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712K	**12-03-1880-34-A**	**03/27/12 14:50**	**Air**	**GC/MS K**	**N/A**	**04/01/12 03:18**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	14	2.3	1.15		t-1,2-Dichloroethene	ND	0.58	1.15	
Benzene	ND	0.58	1.15		t-1,3-Dichloropropene	ND	1.2	1.15	
Benzyl Chloride	ND	1.7	1.15		Ethylbenzene	ND	0.58	1.15	
Bromodichloromethane	ND	0.58	1.15		4-Ethyltoluene	ND	0.58	1.15	
Bromoform	ND	0.58	1.15		Hexachloro-1,3-Butadiene	ND	1.7	1.15	
Bromomethane	ND	0.58	1.15		Hexane	ND	2.3	1.15	
2-Butanone	ND	1.7	1.15		2-Hexanone	ND	1.7	1.15	
Carbon Disulfide	ND	2.3	1.15		Methyl-t-Butyl Ether (MTBE)	ND	2.3	1.15	
Carbon Tetrachloride	ND	0.58	1.15		Methylene Chloride	ND	5.8	1.15	
Chlorobenzene	ND	0.58	1.15		4-Methyl-2-Pentanone	ND	1.7	1.15	
Chloroethane	ND	0.58	1.15		o-Xylene	ND	0.58	1.15	
Chloroform	ND	0.58	1.15		p/m-Xylene	ND	2.3	1.15	
Chloromethane	ND	0.58	1.15		Styrene	ND	1.7	1.15	
Dibromochloromethane	ND	0.58	1.15		Tetrachloroethene	21	0.58	1.15	
Dichlorodifluoromethane	0.69	0.58	1.15		Toluene	0.64	0.58	1.15	
1,1-Dichloroethane	ND	0.58	1.15		Trichloroethene	0.90	0.58	1.15	
1,1-Dichloroethene	ND	0.58	1.15		Trichlorofluoromethane	ND	1.2	1.15	
1,2-Dibromoethane	ND	0.58	1.15		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.7	1.15	
Dichlorotetrafluoroethane	ND	2.3	1.15		1,1,1-Trichloroethane	ND	0.58	1.15	
1,2-Dichlorobenzene	ND	0.58	1.15		1,1,2-Trichloroethane	ND	0.58	1.15	
1,2-Dichloroethane	ND	0.58	1.15		1,3,5-Trimethylbenzene	ND	0.58	1.15	
1,2-Dichloropropane	ND	0.58	1.15		1,1,2,2-Tetrachloroethane	ND	1.2	1.15	
1,3-Dichlorobenzene	ND	0.58	1.15		1,2,4-Trimethylbenzene	ND	1.7	1.15	
1,4-Dichlorobenzene	ND	0.58	1.15		1,2,4-Trichlorobenzene	ND	2.3	1.15	
1,4-Dioxane	ND	12	1.15		Vinyl Acetate	ND	2.3	1.15	
c-1,3-Dichloropropene	ND	0.58	1.15		Vinyl Chloride	ND	0.58	1.15	
c-1,2-Dichloroethene	ND	0.58	1.15		Isopropanol	ND	5.8	1.15	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 35 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-18_032712K	**12-03-1880-35-A**	**03/27/12 16:16**	**Air**	**GC/MS K**	**N/A**	**03/30/12 01:54**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	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	0.56	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	27	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	9.9	0.50	1	
1,1-Dichloroethene	12	0.50	1		Trichlorofluoromethane	1.6	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	3.6	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	95	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,910**	**N/A**	**Air**	**GC/MS V**	**N/A**	**03/28/12 12:47**	**120328L01**

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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,916**	**N/A**	**Air**	**GC/MS K**	**N/A**	**03/29/12 14:31**	**120329L01**

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	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,934**	**N/A**	**Air**	**GC/MS K**	**N/A**	**03/30/12 14:32**	**120330L01**

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	95	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,935**	**N/A**	**Air**	**GC/MS K**	**N/A**	**03/31/12 15:07**	**120331L01**

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	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,950**	**N/A**	**Air**	**GC/MS V**	**N/A**	**04/09/12 13:30**	**120409L01**

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	104	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,950**	**N/A**	**Air**	**GC/MS V**	**N/A**	**04/09/12 13:30**	**120409L01**

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	104	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-1-A**	**03/27/12 15:09**	**Air**	**GC/MS V**	**N/A**	**03/28/12 20:51**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	17	4.8	1		t-1,2-Dichloroethene	2.9	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	11	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	4400	170	49	
Dichlorodifluoromethane	3.3	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	180	2.7	1	
1,1-Dichloroethene	1500	97	49		Trichlorofluoromethane	100	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	8.9	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	ND	2.7	1	
1,2-Dichloroethane	2.6	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	3.2	2.0	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	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-2S_032712	**12-03-1880-2-A**	**03/27/12 14:56**	**Air**	**GC/MS V**	**N/A**	**03/28/12 21:46**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	100	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	2.5	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	20	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	3.5	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	ND	2.7	1	
1,1-Dichloroethene	2.8	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	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-3-A**	**03/27/12 15:01**	**Air**	**GC/MS V**	**N/A**	**03/28/12 22:37**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	23	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	1.3	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	62	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	3.3	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	3.4	2.7	1	
1,1-Dichloroethene	2.7	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-4-A**	**03/27/12 14:40**	**Air**	**GC/MS V**	**N/A**	**03/28/12 23:27**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.2	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	1.4	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	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	101	57-129		1,2-Dichloroethane-d4	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-5-A**	**03/27/12 14:35**	**Air**	**GC/MS V**	**N/A**	**03/29/12 00:19**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	22	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	1.6	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	190	3.4	1	
Dichlorodifluoromethane	2.7	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	18	2.7	1	
1,1-Dichloroethene	3.5	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	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-6-A**	**03/27/12 15:16**	**Air**	**GC/MS V**	**N/A**	**03/29/12 04:37**	**120328L01**

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	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	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	110	3.4	1	
Dichlorodifluoromethane	3.5	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	7.5	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	3.1	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	350	120	3.31		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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-7-A**	**03/27/12 15:21**	**Air**	**GC/MS V**	**N/A**	**03/29/12 05:30**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	74	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	2.4	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	2.6	2.2	1	
Chloroform	ND	2.4	1		p/m-Xylene	ND	8.7	1	
Chloromethane	1.9	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	24	3.4	1	
Dichlorodifluoromethane	3.0	2.5	1		Toluene	11	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	3.4	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-8-A**	**03/27/12 15:50**	**Air**	**GC/MS V**	**N/A**	**03/29/12 06:22**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	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	1.6	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	8.7	3.4	1	
Dichlorodifluoromethane	2.9	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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-9-A**	**03/27/12 13:17**	**Air**	**GC/MS V**	**N/A**	**03/29/12 07:15**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	45	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	38	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	17	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	9.7	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	360	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	33	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	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-10-A**	**03/27/12 15:26**	**Air**	**GC/MS K**	**N/A**	**03/29/12 17:06**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	27	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	19	3.4	1	
Dichlorodifluoromethane	3.2	2.5	1		Toluene	2.5	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	103	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-11-A**	**03/27/12 15:24**	**Air**	**GC/MS K**	**N/A**	**03/29/12 18:00**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	14	4.9	1.04		t-1,2-Dichloroethene	ND	2.1	1.04	
Benzene	3.7	1.7	1.04		t-1,3-Dichloropropene	ND	4.7	1.04	
Benzyl Chloride	ND	8.1	1.04		Ethylbenzene	5.6	2.3	1.04	
Bromodichloromethane	ND	3.5	1.04		4-Ethyltoluene	ND	2.6	1.04	
Bromoform	ND	5.4	1.04		Hexachloro-1,3-Butadiene	ND	17	1.04	
Bromomethane	ND	2.0	1.04		Hexane	8.2	7.3	1.04	
2-Butanone	ND	4.6	1.04		2-Hexanone	ND	6.4	1.04	
Carbon Disulfide	ND	6.5	1.04		Methyl-t-Butyl Ether (MTBE)	ND	7.5	1.04	
Carbon Tetrachloride	ND	3.3	1.04		Methylene Chloride	ND	18	1.04	
Chlorobenzene	ND	2.4	1.04		4-Methyl-2-Pentanone	ND	6.4	1.04	
Chloroethane	ND	1.4	1.04		o-Xylene	7.8	2.3	1.04	
Chloroform	ND	2.5	1.04		p/m-Xylene	20	9.0	1.04	
Chloromethane	ND	1.1	1.04		Styrene	ND	6.6	1.04	
Dibromochloromethane	ND	4.4	1.04		Tetrachloroethene	160	3.5	1.04	
Dichlorodifluoromethane	2.9	2.6	1.04		Toluene	27	2.0	1.04	
1,1-Dichloroethane	ND	2.1	1.04		Trichloroethene	16	2.8	1.04	
1,1-Dichloroethene	6.3	2.1	1.04		Trichlorofluoromethane	ND	5.8	1.04	
1,2-Dibromoethane	ND	4.0	1.04		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	12	1.04	
Dichlorotetrafluoroethane	ND	15	1.04		1,1,1-Trichloroethane	ND	2.8	1.04	
1,2-Dichlorobenzene	ND	3.1	1.04		1,1,2-Trichloroethane	ND	2.8	1.04	
1,2-Dichloroethane	ND	2.1	1.04		1,3,5-Trimethylbenzene	ND	2.6	1.04	
1,2-Dichloropropane	ND	2.4	1.04		1,1,2,2-Tetrachloroethane	ND	7.1	1.04	
1,3-Dichlorobenzene	ND	3.1	1.04		1,2,4-Trimethylbenzene	ND	7.7	1.04	
1,4-Dichlorobenzene	ND	3.1	1.04		1,2,4-Trichlorobenzene	ND	15	1.04	
1,4-Dioxane	ND	37	1.04		Vinyl Acetate	ND	7.3	1.04	
c-1,3-Dichloropropene	ND	2.4	1.04		Vinyl Chloride	ND	1.3	1.04	
c-1,2-Dichloroethene	ND	2.1	1.04		Isopropanol	ND	13	1.04	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-3_032712	**12-03-1880-12-A**	**03/27/12 14:43**	**Air**	**GC/MS K**	**N/A**	**03/29/12 18:53**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	38	5.2	1.09		t-1,2-Dichloroethene	ND	2.2	1.09	
Benzene	2.1	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	ND	2.7	1.09		p/m-Xylene	ND	9.5	1.09	
Chloromethane	1.1	1.1	1.09		Styrene	ND	7.0	1.09	
Dibromochloromethane	ND	4.6	1.09		Tetrachloroethene	84	3.7	1.09	
Dichlorodifluoromethane	2.9	2.7	1.09		Toluene	7.3	2.1	1.09	
1,1-Dichloroethane	ND	2.2	1.09		Trichloroethene	3.0	2.9	1.09	
1,1-Dichloroethene	ND	2.2	1.09		Trichlorofluoromethane	ND	6.1	1.09	
1,2-Dibromoethane	ND	4.2	1.09		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	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	93	57-129		1,2-Dichloroethane-d4	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-4_032712	**12-03-1880-13-A**	**03/27/12 13:21**	**Air**	**GC/MS K**	**N/A**	**03/30/12 16:52**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	33	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	5100	68	20	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	20	10	5		Trichloroethene	2900	54	20	
1,1-Dichloroethene	1400	9.9	5		Trichlorofluoromethane	240	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	640	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	104	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-14-A**	**03/27/12 13:05**	**Air**	**GC/MS K**	**N/A**	**03/29/12 19:46**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	110	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	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	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	14	3.4	1	
Dichlorodifluoromethane	2.8	2.5	1		Toluene	3.6	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	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-15-A**	**03/27/12 12:54**	**Air**	**GC/MS K**	**N/A**	**03/29/12 20:39**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	71	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	1.2	1.2	1.14		Styrene	ND	7.3	1.14	
Dibromochloromethane	ND	4.9	1.14		Tetrachloroethene	1100	34	10	
Dichlorodifluoromethane	ND	2.8	1.14		Toluene	2.9	2.1	1.14	
1,1-Dichloroethane	ND	2.3	1.14		Trichloroethene	34	3.1	1.14	
1,1-Dichloroethene	5.7	2.3	1.14		Trichlorofluoromethane	ND	6.4	1.14	
1,2-Dibromoethane	ND	4.4	1.14		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	13	1.14	
Dichlorotetrafluoroethane	ND	16	1.14		1,1,1-Trichloroethane	3.3	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	94	57-129		1,2-Dichloroethane-d4	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-16-A**	**03/27/12 10:39**	**Air**	**GC/MS K**	**N/A**	**03/29/12 21:32**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	24	5.1	1.08		t-1,2-Dichloroethene	ND	2.1	1.08	
Benzene	ND	1.7	1.08		t-1,3-Dichloropropene	ND	4.9	1.08	
Benzyl Chloride	ND	8.4	1.08		Ethylbenzene	ND	2.3	1.08	
Bromodichloromethane	ND	3.6	1.08		4-Ethyltoluene	ND	2.7	1.08	
Bromoform	ND	5.6	1.08		Hexachloro-1,3-Butadiene	ND	17	1.08	
Bromomethane	ND	2.1	1.08		Hexane	ND	7.6	1.08	
2-Butanone	ND	4.8	1.08		2-Hexanone	ND	6.6	1.08	
Carbon Disulfide	ND	6.7	1.08		Methyl-t-Butyl Ether (MTBE)	ND	7.8	1.08	
Carbon Tetrachloride	ND	3.4	1.08		Methylene Chloride	ND	19	1.08	
Chlorobenzene	ND	2.5	1.08		4-Methyl-2-Pentanone	ND	6.6	1.08	
Chloroethane	ND	1.4	1.08		o-Xylene	ND	2.3	1.08	
Chloroform	ND	2.6	1.08		p/m-Xylene	ND	9.4	1.08	
Chloromethane	ND	1.1	1.08		Styrene	ND	6.9	1.08	
Dibromochloromethane	ND	4.6	1.08		Tetrachloroethene	370	3.7	1.08	
Dichlorodifluoromethane	3.0	2.7	1.08		Toluene	ND	2.0	1.08	
1,1-Dichloroethane	ND	2.2	1.08		Trichloroethene	22	2.9	1.08	
1,1-Dichloroethene	11	2.1	1.08		Trichlorofluoromethane	ND	6.1	1.08	
1,2-Dibromoethane	ND	4.1	1.08		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	12	1.08	
Dichlorotetrafluoroethane	ND	15	1.08		1,1,1-Trichloroethane	ND	2.9	1.08	
1,2-Dichlorobenzene	ND	3.2	1.08		1,1,2-Trichloroethane	ND	2.9	1.08	
1,2-Dichloroethane	ND	2.2	1.08		1,3,5-Trimethylbenzene	ND	2.7	1.08	
1,2-Dichloropropane	ND	2.5	1.08		1,1,2,2-Tetrachloroethane	ND	7.4	1.08	
1,3-Dichlorobenzene	ND	3.2	1.08		1,2,4-Trimethylbenzene	ND	8.0	1.08	
1,4-Dichlorobenzene	ND	3.2	1.08		1,2,4-Trichlorobenzene	ND	16	1.08	
1,4-Dioxane	ND	39	1.08		Vinyl Acetate	ND	7.6	1.08	
c-1,3-Dichloropropene	ND	2.5	1.08		Vinyl Chloride	ND	1.4	1.08	
c-1,2-Dichloroethene	ND	2.1	1.08		Isopropanol	ND	13	1.08	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-12_032712	**12-03-1880-17-A**	**03/27/12 10:28**	**Air**	**GC/MS K**	**N/A**	**03/30/12 17:38**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	24	5		t-1,2-Dichloroethene	ND	9.9	5	
Benzene	160	8.0	5		t-1,3-Dichloropropene	ND	23	5	
Benzyl Chloride	ND	39	5		Ethylbenzene	280	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	52	11	5	
Chloroform	ND	12	5		p/m-Xylene	650	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	1400	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	870	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	60	13	5	
1,1-Dichloroethene	11	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	104	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-18-A**	**03/27/12 09:32**	**Air**	**GC/MS K**	**N/A**	**03/29/12 22:23**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	11	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	2.6	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	3.0	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	9.1	2.7	1	
1,1-Dichloroethene	5.3	2.0	1		Trichlorofluoromethane	7.5	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	58	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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-14_032712	**12-03-1880-19-A**	**03/27/12 09:42**	**Air**	**GC/MS K**	**N/A**	**03/29/12 23:14**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	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	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	170	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	32	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	12	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-20-A**	**03/27/12 10:19**	**Air**	**GC/MS K**	**N/A**	**03/30/12 00:10**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	18	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	7.9	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	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	410	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	7.3	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	13	2.7	1	
1,1-Dichloroethene	4.0	2.0	1		Trichlorofluoromethane	ND	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	14	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-16_032712	**12-03-1880-21-A**	**03/27/12 09:21**	**Air**	**GC/MS K**	**N/A**	**03/31/12 20:15**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	24	5.6	1.17		t-1,2-Dichloroethene	ND	2.3	1.17	
Benzene	ND	1.9	1.17		t-1,3-Dichloropropene	ND	5.3	1.17	
Benzyl Chloride	ND	9.1	1.17		Ethylbenzene	ND	2.5	1.17	
Bromodichloromethane	ND	3.9	1.17		4-Ethyltoluene	ND	2.9	1.17	
Bromoform	ND	6.0	1.17		Hexachloro-1,3-Butadiene	ND	19	1.17	
Bromomethane	ND	2.3	1.17		Hexane	ND	8.2	1.17	
2-Butanone	ND	5.2	1.17		2-Hexanone	ND	7.2	1.17	
Carbon Disulfide	ND	7.3	1.17		Methyl-t-Butyl Ether (MTBE)	ND	8.4	1.17	
Carbon Tetrachloride	ND	3.7	1.17		Methylene Chloride	ND	20	1.17	
Chlorobenzene	ND	2.7	1.17		4-Methyl-2-Pentanone	ND	7.2	1.17	
Chloroethane	ND	1.5	1.17		o-Xylene	ND	2.5	1.17	
Chloroform	ND	2.9	1.17		p/m-Xylene	ND	10	1.17	
Chloromethane	1.5	1.2	1.17		Styrene	ND	7.5	1.17	
Dibromochloromethane	ND	5.0	1.17		Tetrachloroethene	70	4.0	1.17	
Dichlorodifluoromethane	3.3	2.9	1.17		Toluene	6.2	2.2	1.17	
1,1-Dichloroethane	ND	2.4	1.17		Trichloroethene	4.0	3.1	1.17	
1,1-Dichloroethene	ND	2.3	1.17		Trichlorofluoromethane	ND	6.6	1.17	
1,2-Dibromoethane	ND	4.5	1.17		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	13	1.17	
Dichlorotetrafluoroethane	ND	16	1.17		1,1,1-Trichloroethane	ND	3.2	1.17	
1,2-Dichlorobenzene	ND	3.5	1.17		1,1,2-Trichloroethane	ND	3.2	1.17	
1,2-Dichloroethane	ND	2.4	1.17		1,3,5-Trimethylbenzene	ND	2.9	1.17	
1,2-Dichloropropane	ND	2.7	1.17		1,1,2,2-Tetrachloroethane	ND	8.0	1.17	
1,3-Dichlorobenzene	ND	3.5	1.17		1,2,4-Trimethylbenzene	ND	8.6	1.17	
1,4-Dichlorobenzene	ND	3.5	1.17		1,2,4-Trichlorobenzene	ND	17	1.17	
1,4-Dioxane	ND	42	1.17		Vinyl Acetate	ND	8.2	1.17	
c-1,3-Dichloropropene	ND	2.7	1.17		Vinyl Chloride	ND	1.5	1.17	
c-1,2-Dichloroethene	ND	2.3	1.17		Isopropanol	ND	14	1.17	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	57-129		1,2-Dichloroethane-d4	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-22-A**	**03/27/12 10:08**	**Air**	**GC/MS K**	**N/A**	**03/31/12 04:35**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	16	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	140	3.4	1	
Dichlorodifluoromethane	3.6	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	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.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	03/28/12
Work Order No:	12-03-1880
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_032712	**12-03-1880-23-A**	**03/27/12 16:11**	**Air**	**GC/MS K**	**N/A**	**03/31/12 05:29**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	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	260	3.4	1	
Dichlorodifluoromethane	3.6	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	79	2.7	1	
1,1-Dichloroethene	80	2.0	1		Trichlorofluoromethane	16	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	49	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	104	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.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	03/28/12
Work Order No:	12-03-1880
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_032712	**12-03-1880-24-A**	**03/27/12 16:20**	**Air**	**GC/MS K**	**N/A**	**03/31/12 06:15**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	21	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	ND	9.8	4		p/m-Xylene	ND	35	4	
Chloromethane	ND	4.1	4		Styrene	ND	26	4	
Dibromochloromethane	ND	17	4		Tetrachloroethene	3200	34	10	
Dichlorodifluoromethane	ND	9.9	4		Toluene	ND	7.5	4	
1,1-Dichloroethane	ND	8.1	4		Trichloroethene	150	11	4	
1,1-Dichloroethene	110	7.9	4		Trichlorofluoromethane	ND	22	4	
1,2-Dibromoethane	ND	15	4		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	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	96	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-25-A**	**03/27/12 15:43**	**Air**	**GC/MS K**	**N/A**	**03/31/12 07:09**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	38	5.7	1.19		t-1,2-Dichloroethene	ND	2.4	1.19	
Benzene	ND	1.9	1.19		t-1,3-Dichloropropene	ND	5.4	1.19	
Benzyl Chloride	ND	9.2	1.19		Ethylbenzene	ND	2.6	1.19	
Bromodichloromethane	ND	4.0	1.19		4-Ethyltoluene	ND	2.9	1.19	
Bromoform	ND	6.2	1.19		Hexachloro-1,3-Butadiene	ND	19	1.19	
Bromomethane	ND	2.3	1.19		Hexane	ND	8.4	1.19	
2-Butanone	ND	5.3	1.19		2-Hexanone	ND	7.3	1.19	
Carbon Disulfide	ND	7.4	1.19		Methyl-t-Butyl Ether (MTBE)	ND	8.6	1.19	
Carbon Tetrachloride	ND	3.7	1.19		Methylene Chloride	ND	21	1.19	
Chlorobenzene	ND	2.7	1.19		4-Methyl-2-Pentanone	ND	7.3	1.19	
Chloroethane	ND	1.6	1.19		o-Xylene	ND	2.6	1.19	
Chloroform	12	2.9	1.19		p/m-Xylene	ND	10	1.19	
Chloromethane	ND	1.2	1.19		Styrene	ND	7.6	1.19	
Dibromochloromethane	ND	5.1	1.19		Tetrachloroethene	460	4.0	1.19	
Dichlorodifluoromethane	3.6	2.9	1.19		Toluene	ND	2.2	1.19	
1,1-Dichloroethane	ND	2.4	1.19		Trichloroethene	40	3.2	1.19	
1,1-Dichloroethene	58	2.4	1.19		Trichlorofluoromethane	21	6.7	1.19	
1,2-Dibromoethane	ND	4.6	1.19		1,1,2-Trichloro-1,2,2-Trifluoroethane	140	14	1.19	
Dichlorotetrafluoroethane	ND	17	1.19		1,1,1-Trichloroethane	ND	3.2	1.19	
1,2-Dichlorobenzene	ND	3.6	1.19		1,1,2-Trichloroethane	ND	3.2	1.19	
1,2-Dichloroethane	ND	2.4	1.19		1,3,5-Trimethylbenzene	ND	2.9	1.19	
1,2-Dichloropropane	ND	2.7	1.19		1,1,2,2-Tetrachloroethane	ND	8.2	1.19	
1,3-Dichlorobenzene	ND	3.6	1.19		1,2,4-Trimethylbenzene	ND	8.8	1.19	
1,4-Dichlorobenzene	ND	3.6	1.19		1,2,4-Trichlorobenzene	ND	18	1.19	
1,4-Dioxane	ND	43	1.19		Vinyl Acetate	ND	8.4	1.19	
c-1,3-Dichloropropene	ND	2.7	1.19		Vinyl Chloride	ND	1.5	1.19	
c-1,2-Dichloroethene	ND	2.4	1.19		Isopropanol	ND	15	1.19	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	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

de maximis, inc.		Date Received:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: Omega - SVE			Page 26 of 40

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE_VMP-21_032712	**12-03-1880-26-A**	**03/27/12 14:31**	**Air**	**GC/MS K**	**N/A**	**03/31/12 21:11**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	24	6.0	1.26		t-1,2-Dichloroethene	ND	2.5	1.26	
Benzene	ND	2.0	1.26		t-1,3-Dichloropropene	ND	5.7	1.26	
Benzyl Chloride	ND	9.8	1.26		Ethylbenzene	ND	2.7	1.26	
Bromodichloromethane	ND	4.2	1.26		4-Ethyltoluene	ND	3.1	1.26	
Bromoform	ND	6.5	1.26		Hexachloro-1,3-Butadiene	ND	20	1.26	
Bromomethane	ND	2.4	1.26		Hexane	ND	8.9	1.26	
2-Butanone	ND	5.6	1.26		2-Hexanone	ND	7.7	1.26	
Carbon Disulfide	ND	7.8	1.26		Methyl-t-Butyl Ether (MTBE)	ND	9.1	1.26	
Carbon Tetrachloride	ND	4.0	1.26		Methylene Chloride	ND	22	1.26	
Chlorobenzene	ND	2.9	1.26		4-Methyl-2-Pentanone	ND	7.7	1.26	
Chloroethane	ND	1.7	1.26		o-Xylene	ND	2.7	1.26	
Chloroform	ND	3.1	1.26		p/m-Xylene	ND	11	1.26	
Chloromethane	ND	1.3	1.26		Styrene	ND	8.1	1.26	
Dibromochloromethane	ND	5.4	1.26		Tetrachloroethene	150	4.3	1.26	
Dichlorodifluoromethane	3.1	3.1	1.26		Toluene	2.4	2.4	1.26	
1,1-Dichloroethane	ND	2.5	1.26		Trichloroethene	18	3.4	1.26	
1,1-Dichloroethene	2.7	2.5	1.26		Trichlorofluoromethane	ND	7.1	1.26	
1,2-Dibromoethane	ND	4.8	1.26		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	14	1.26	
Dichlorotetrafluoroethane	ND	18	1.26		1,1,1-Trichloroethane	ND	3.4	1.26	
1,2-Dichlorobenzene	ND	3.8	1.26		1,1,2-Trichloroethane	ND	3.4	1.26	
1,2-Dichloroethane	ND	2.5	1.26		1,3,5-Trimethylbenzene	ND	3.1	1.26	
1,2-Dichloropropane	ND	2.9	1.26		1,1,2,2-Tetrachloroethane	ND	8.6	1.26	
1,3-Dichlorobenzene	ND	3.8	1.26		1,2,4-Trimethylbenzene	ND	9.3	1.26	
1,4-Dichlorobenzene	ND	3.8	1.26		1,2,4-Trichlorobenzene	ND	19	1.26	
1,4-Dioxane	ND	45	1.26		Vinyl Acetate	ND	8.9	1.26	
c-1,3-Dichloropropene	ND	2.9	1.26		Vinyl Chloride	ND	1.6	1.26	
c-1,2-Dichloroethene	ND	2.5	1.26		Isopropanol	ND	15	1.26	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-27-A**	**03/27/12 13:25**	**Air**	**GC/MS K**	**N/A**	**03/31/12 08:49**	**120330L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	34	5.7	1.19		t-1,2-Dichloroethene	ND	2.4	1.19	
Benzene	ND	1.9	1.19		t-1,3-Dichloropropene	ND	5.4	1.19	
Benzyl Chloride	ND	9.2	1.19		Ethylbenzene	ND	2.6	1.19	
Bromodichloromethane	ND	4.0	1.19		4-Ethyltoluene	ND	2.9	1.19	
Bromoform	ND	6.2	1.19		Hexachloro-1,3-Butadiene	ND	19	1.19	
Bromomethane	ND	2.3	1.19		Hexane	ND	8.4	1.19	
2-Butanone	ND	5.3	1.19		2-Hexanone	ND	7.3	1.19	
Carbon Disulfide	ND	7.4	1.19		Methyl-t-Butyl Ether (MTBE)	ND	8.6	1.19	
Carbon Tetrachloride	ND	3.7	1.19		Methylene Chloride	ND	21	1.19	
Chlorobenzene	ND	2.7	1.19		4-Methyl-2-Pentanone	ND	7.3	1.19	
Chloroethane	ND	1.6	1.19		o-Xylene	ND	2.6	1.19	
Chloroform	ND	2.9	1.19		p/m-Xylene	ND	10	1.19	
Chloromethane	ND	1.2	1.19		Styrene	ND	7.6	1.19	
Dibromochloromethane	ND	5.1	1.19		Tetrachloroethene	340	4.0	1.19	
Dichlorodifluoromethane	3.4	2.9	1.19		Toluene	ND	2.2	1.19	
1,1-Dichloroethane	ND	2.4	1.19		Trichloroethene	29	3.2	1.19	
1,1-Dichloroethene	4.3	2.4	1.19		Trichlorofluoromethane	ND	6.7	1.19	
1,2-Dibromoethane	ND	4.6	1.19		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	14	1.19	
Dichlorotetrafluoroethane	ND	17	1.19		1,1,1-Trichloroethane	ND	3.2	1.19	
1,2-Dichlorobenzene	ND	3.6	1.19		1,1,2-Trichloroethane	ND	3.2	1.19	
1,2-Dichloroethane	ND	2.4	1.19		1,3,5-Trimethylbenzene	ND	2.9	1.19	
1,2-Dichloropropane	ND	2.7	1.19		1,1,2,2-Tetrachloroethane	ND	8.2	1.19	
1,3-Dichlorobenzene	ND	3.6	1.19		1,2,4-Trimethylbenzene	ND	8.8	1.19	
1,4-Dichlorobenzene	ND	3.6	1.19		1,2,4-Trichlorobenzene	ND	18	1.19	
1,4-Dioxane	ND	43	1.19		Vinyl Acetate	ND	8.4	1.19	
c-1,3-Dichloropropene	ND	2.7	1.19		Vinyl Chloride	ND	1.5	1.19	
c-1,2-Dichloroethene	ND	2.4	1.19		Isopropanol	ND	15	1.19	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	101	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-28-A**	**03/27/12 11:08**	**Air**	**GC/MS K**	**N/A**	**04/01/12 00:33**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	38	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	4300	68	20	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	64	13	5	
1,1-Dichloroethene	110	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	93	57-129		1,2-Dichloroethane-d4	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-24_032712	**12-03-1880-29-A**	**03/27/12 11:00**	**Air**	**GC/MS K**	**N/A**	**03/30/12 01:02**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.1	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)	17	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	1700	34	10	
Dichlorodifluoromethane	3.3	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	29	2.7	1	
1,1-Dichloroethene	29	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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-30-A**	**03/27/12 11:17**	**Air**	**GC/MS K**	**N/A**	**04/01/12 01:27**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	23	7.9	1.67		t-1,2-Dichloroethene	ND	3.3	1.67	
Benzene	ND	2.7	1.67		t-1,3-Dichloropropene	ND	7.6	1.67	
Benzyl Chloride	ND	13	1.67		Ethylbenzene	ND	3.6	1.67	
Bromodichloromethane	ND	5.6	1.67		4-Ethyltoluene	ND	4.1	1.67	
Bromoform	ND	8.6	1.67		Hexachloro-1,3-Butadiene	ND	27	1.67	
Bromomethane	ND	3.2	1.67		Hexane	ND	12	1.67	
2-Butanone	ND	7.4	1.67		2-Hexanone	ND	10	1.67	
Carbon Disulfide	ND	10	1.67		Methyl-t-Butyl Ether (MTBE)	ND	12	1.67	
Carbon Tetrachloride	ND	5.3	1.67		Methylene Chloride	ND	29	1.67	
Chlorobenzene	ND	3.8	1.67		4-Methyl-2-Pentanone	ND	10	1.67	
Chloroethane	ND	2.2	1.67		o-Xylene	ND	3.6	1.67	
Chloroform	ND	4.1	1.67		p/m-Xylene	ND	15	1.67	
Chloromethane	ND	1.7	1.67		Styrene	ND	11	1.67	
Dibromochloromethane	ND	7.1	1.67		Tetrachloroethene	540	5.7	1.67	
Dichlorodifluoromethane	5.2	4.1	1.67		Toluene	ND	3.1	1.67	
1,1-Dichloroethane	ND	3.4	1.67		Trichloroethene	14	4.5	1.67	
1,1-Dichloroethene	12	3.3	1.67		Trichlorofluoromethane	ND	9.4	1.67	
1,2-Dibromoethane	ND	6.4	1.67		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	19	1.67	
Dichlorotetrafluoroethane	ND	23	1.67		1,1,1-Trichloroethane	ND	4.6	1.67	
1,2-Dichlorobenzene	ND	5.0	1.67		1,1,2-Trichloroethane	ND	4.6	1.67	
1,2-Dichloroethane	ND	3.4	1.67		1,3,5-Trimethylbenzene	ND	4.1	1.67	
1,2-Dichloropropane	ND	3.9	1.67		1,1,2,2-Tetrachloroethane	ND	11	1.67	
1,3-Dichlorobenzene	ND	5.0	1.67		1,2,4-Trimethylbenzene	ND	12	1.67	
1,4-Dichlorobenzene	ND	5.0	1.67		1,2,4-Trichlorobenzene	ND	25	1.67	
1,4-Dioxane	ND	60	1.67		Vinyl Acetate	ND	12	1.67	
c-1,3-Dichloropropene	ND	3.8	1.67		Vinyl Chloride	ND	2.1	1.67	
c-1,2-Dichloroethene	ND	3.3	1.67		Isopropanol	ND	21	1.67	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	103	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-31-A**	**03/27/12 14:19**	**Air**	**GC/MS K**	**N/A**	**03/31/12 18:25**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	27	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	ND	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	13	4.0	1.18	
Dichlorodifluoromethane	3.4	2.9	1.18		Toluene	ND	2.2	1.18	
1,1-Dichloroethane	ND	2.4	1.18		Trichloroethene	ND	3.2	1.18	
1,1-Dichloroethene	ND	2.3	1.18		Trichlorofluoromethane	ND	6.6	1.18	
1,2-Dibromoethane	ND	4.5	1.18		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	14	1.18	
Dichlorotetrafluoroethane	ND	16	1.18		1,1,1-Trichloroethane	ND	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712	**12-03-1880-32-A**	**03/27/12 14:02**	**Air**	**GC/MS K**	**N/A**	**03/31/12 19:20**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	28	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	3.3	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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_032712K	**12-03-1880-33-A**	**03/27/12 11:25**	**Air**	**GC/MS K**	**N/A**	**04/01/12 02:23**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	17	7.6	1.59		t-1,2-Dichloroethene	ND	3.2	1.59	
Benzene	ND	2.5	1.59		t-1,3-Dichloropropene	ND	7.2	1.59	
Benzyl Chloride	ND	12	1.59		Ethylbenzene	ND	3.5	1.59	
Bromodichloromethane	ND	5.3	1.59		4-Ethyltoluene	ND	3.9	1.59	
Bromoform	ND	8.2	1.59		Hexachloro-1,3-Butadiene	ND	25	1.59	
Bromomethane	ND	3.1	1.59		Hexane	ND	11	1.59	
2-Butanone	ND	7.0	1.59		2-Hexanone	ND	9.8	1.59	
Carbon Disulfide	ND	9.9	1.59		Methyl-t-Butyl Ether (MTBE)	ND	11	1.59	
Carbon Tetrachloride	ND	5.0	1.59		Methylene Chloride	ND	28	1.59	
Chlorobenzene	ND	3.7	1.59		4-Methyl-2-Pentanone	ND	9.8	1.59	
Chloroethane	ND	2.1	1.59		o-Xylene	ND	3.5	1.59	
Chloroform	ND	3.9	1.59		p/m-Xylene	ND	14	1.59	
Chloromethane	ND	1.6	1.59		Styrene	ND	10	1.59	
Dibromochloromethane	ND	6.8	1.59		Tetrachloroethene	600	5.4	1.59	
Dichlorodifluoromethane	ND	3.9	1.59		Toluene	ND	3.0	1.59	
1,1-Dichloroethane	ND	3.2	1.59		Trichloroethene	8.4	4.3	1.59	
1,1-Dichloroethene	13	3.2	1.59		Trichlorofluoromethane	ND	8.9	1.59	
1,2-Dibromoethane	ND	6.1	1.59		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	18	1.59	
Dichlorotetrafluoroethane	ND	22	1.59		1,1,1-Trichloroethane	ND	4.3	1.59	
1,2-Dichlorobenzene	ND	4.8	1.59		1,1,2-Trichloroethane	ND	4.3	1.59	
1,2-Dichloroethane	ND	3.2	1.59		1,3,5-Trimethylbenzene	ND	3.9	1.59	
1,2-Dichloropropane	ND	3.7	1.59		1,1,2,2-Tetrachloroethane	ND	11	1.59	
1,3-Dichlorobenzene	ND	4.8	1.59		1,2,4-Trimethylbenzene	ND	12	1.59	
1,4-Dichlorobenzene	ND	4.8	1.59		1,2,4-Trichlorobenzene	ND	24	1.59	
1,4-Dioxane	ND	57	1.59		Vinyl Acetate	ND	11	1.59	
c-1,3-Dichloropropene	ND	3.6	1.59		Vinyl Chloride	ND	2.0	1.59	
c-1,2-Dichloroethene	ND	3.2	1.59		Isopropanol	ND	20	1.59	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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-3_032712K	**12-03-1880-34-A**	**03/27/12 14:50**	**Air**	**GC/MS K**	**N/A**	**04/01/12 03:18**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	33	5.5	1.15		t-1,2-Dichloroethene	ND	2.3	1.15	
Benzene	ND	1.8	1.15		t-1,3-Dichloropropene	ND	5.2	1.15	
Benzyl Chloride	ND	8.9	1.15		Ethylbenzene	ND	2.5	1.15	
Bromodichloromethane	ND	3.9	1.15		4-Ethyltoluene	ND	2.8	1.15	
Bromoform	ND	5.9	1.15		Hexachloro-1,3-Butadiene	ND	18	1.15	
Bromomethane	ND	2.2	1.15		Hexane	ND	8.1	1.15	
2-Butanone	ND	5.1	1.15		2-Hexanone	ND	7.1	1.15	
Carbon Disulfide	ND	7.2	1.15		Methyl-t-Butyl Ether (MTBE)	ND	8.3	1.15	
Carbon Tetrachloride	ND	3.6	1.15		Methylene Chloride	ND	20	1.15	
Chlorobenzene	ND	2.6	1.15		4-Methyl-2-Pentanone	ND	7.1	1.15	
Chloroethane	ND	1.5	1.15		o-Xylene	ND	2.5	1.15	
Chloroform	ND	2.8	1.15		p/m-Xylene	ND	10	1.15	
Chloromethane	ND	1.2	1.15		Styrene	ND	7.3	1.15	
Dibromochloromethane	ND	4.9	1.15		Tetrachloroethene	150	3.9	1.15	
Dichlorodifluoromethane	3.4	2.8	1.15		Toluene	2.4	2.2	1.15	
1,1-Dichloroethane	ND	2.3	1.15		Trichloroethene	4.9	3.1	1.15	
1,1-Dichloroethene	ND	2.3	1.15		Trichlorofluoromethane	ND	6.5	1.15	
1,2-Dibromoethane	ND	4.4	1.15		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	13	1.15	
Dichlorotetrafluoroethane	ND	16	1.15		1,1,1-Trichloroethane	ND	3.1	1.15	
1,2-Dichlorobenzene	ND	3.5	1.15		1,1,2-Trichloroethane	ND	3.1	1.15	
1,2-Dichloroethane	ND	2.3	1.15		1,3,5-Trimethylbenzene	ND	2.8	1.15	
1,2-Dichloropropane	ND	2.7	1.15		1,1,2,2-Tetrachloroethane	ND	7.9	1.15	
1,3-Dichlorobenzene	ND	3.5	1.15		1,2,4-Trimethylbenzene	ND	8.5	1.15	
1,4-Dichlorobenzene	ND	3.5	1.15		1,2,4-Trichlorobenzene	ND	17	1.15	
1,4-Dioxane	ND	41	1.15		Vinyl Acetate	ND	8.1	1.15	
c-1,3-Dichloropropene	ND	2.6	1.15		Vinyl Chloride	ND	1.5	1.15	
c-1,2-Dichloroethene	ND	2.3	1.15		Isopropanol	ND	14	1.15	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	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.
1322 Scott Street, Suite 104
San Diego, CA 92106-2727

Date Received:	03/28/12
Work Order No:	12-03-1880
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_032712K	**12-03-1880-35-A**	**03/27/12 16:16**	**Air**	**GC/MS K**	**N/A**	**03/30/12 01:54**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	28	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	180	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	53	2.7	1	
1,1-Dichloroethene	47	2.0	1		Trichlorofluoromethane	9.2	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	28	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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,910**	**N/A**	**Air**	**GC/MS V**	**N/A**	**03/28/12 12:47**	**120328L01**

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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,916**	**N/A**	**Air**	**GC/MS K**	**N/A**	**03/29/12 14:31**	**120329L01**

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	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,934**	**N/A**	**Air**	**GC/MS K**	**N/A**	**03/30/12 14:32**	**120330L01**

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	95	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1880
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	**095-01-021-9,935**	**N/A**	**Air**	**GC/MS K**	**N/A**	**03/31/12 15:07**	**120331L01**

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	101	47-137	
Toluene-d8	97	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,910	**Air**	**GC/MS V**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	90	91	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	85	85	50-150	33-167	0	0-35	
Acetone	25.00	121	127	50-150	33-167	5	0-35	
Benzene	25.00	117	117	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	111	111	50-150	33-167	0	0-35	
Bromodichloromethane	25.00	108	108	50-150	33-167	0	0-35	
Bromoform	25.00	95	96	62-134	50-146	1	0-38	
Bromomethane	25.00	119	123	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	121	124	50-150	33-167	3	0-35	
2-Butanone	25.00	124	123	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	114	112	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	105	105	64-154	49-169	0	0-32	
Chlorobenzene	25.00	111	112	50-150	33-167	1	0-35	
Chloroethane	25.00	125	131	50-150	33-167	5	0-35	
Chloroform	25.00	107	107	50-150	33-167	1	0-35	
Chloromethane	25.00	125	129	50-150	33-167	3	0-35	
Cyclohexane	25.00	111	111	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	104	105	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	112	112	50-150	33-167	0	0-35	
Diisopropyl Ether (DIPE)	25.00	106	106	50-150	33-167	0	0-35	
1,1-Dichloroethane	25.00	113	114	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	97	104	50-150	33-167	6	0-35	
1,2-Dibromoethane	25.00	109	110	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	109	111	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	108	108	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	107	106	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	116	115	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	97	98	50-150	33-167	0	0-35	
1,4-Dichlorobenzene	25.00	102	102	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	138	131	50-150	33-167	5	0-35	
c-1,3-Dichloropropene	25.00	119	119	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	117	117	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	113	112	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,910	**Air**	**GC/MS V**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	130	130	50-150	33-167	0	0-35	
Ethanol	100.0	107	107	50-150	33-167	0	0-35	
Ethyl Acetate	25.00	119	122	50-150	33-167	3	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	113	114	50-150	33-167	1	0-35	
Ethylbenzene	25.00	110	111	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	99	99	50-150	33-167	0	0-35	
Heptane	25.00	115	114	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	108	105	50-150	33-167	3	0-35	
Hexane	25.00	111	110	50-150	33-167	0	0-35	
2-Hexanone	25.00	113	113	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	116	116	50-150	33-167	1	0-35	
Methylene Chloride	25.00	98	102	50-150	33-167	4	0-35	
4-Methyl-2-Pentanone	25.00	123	121	50-150	33-167	1	0-35	
Naphthalene	25.00	128	128	40-190	15-215	0	0-35	
o-Xylene	25.00	107	108	52-148	36-164	1	0-38	
p/m-Xylene	50.00	105	105	42-156	23-175	1	0-41	
Propene	25.00	129	129	50-150	33-167	0	0-35	
Styrene	25.00	103	104	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	111	112	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	102	100	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	107	107	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	119	119	50-150	33-167	0	0-35	
Toluene	25.00	110	111	56-146	41-161	1	0-43	
Trichloroethene	25.00	110	110	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	104	109	50-150	33-167	5	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	115	113	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	111	111	50-150	33-167	0	0-35	
1,1,2-Trichloroethane	25.00	116	116	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	93	94	50-150	33-167	1	0-35	
Acrolein	25.00	114	119	50-150	33-167	4	0-35	
Acrylonitrile	25.00	112	120	50-150	33-167	7	0-35	
Methyl Methacrylate	25.00	118	119	50-150	33-167	1	0-35	
Propane	50.00	128	129	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,910	**Air**	**GC/MS V**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	118	119	50-150	33-167	1	0-35	
Methanol	75.00	74	76	50-150	33-167	3	0-35	
2,2,4-Trimethyl Pentane	25.00	101	101	50-150	33-167	0	0-35	
Isobutane	50.00	114	116	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	115	115	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	99	99	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	94	95	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	102	102	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	125	125	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	102	102	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	120	125	45-177	23-199	4	0-36	
1,1-Difluoroethane	25.00	116	117	50-150	33-167	1	0-35	
Isopropanol	25.00	111	113	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	103	104	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,916	**Air**	**GC/MS K**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	92	90	50-150	33-167	2	0-35	
n-Propylbenzene	25.00	89	88	50-150	33-167	2	0-35	
Acetone	25.00	90	90	50-150	33-167	0	0-35	
Benzene	25.00	97	96	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	121	118	50-150	33-167	3	0-35	
Bromodichloromethane	25.00	100	98	50-150	33-167	2	0-35	
Bromoform	25.00	121	119	62-134	50-146	2	0-38	
Bromomethane	25.00	104	104	50-150	33-167	0	0-35	
1,3-Butadiene	25.00	99	98	50-150	33-167	1	0-35	
2-Butanone	25.00	100	98	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	103	101	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	104	102	64-154	49-169	2	0-32	
Chlorobenzene	25.00	103	102	50-150	33-167	1	0-35	
Chloroethane	25.00	107	106	50-150	33-167	1	0-35	
Chloroform	25.00	97	96	50-150	33-167	1	0-35	
Chloromethane	25.00	107	107	50-150	33-167	0	0-35	
Cyclohexane	25.00	97	95	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	107	105	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	106	103	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	25.00	89	88	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	103	102	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	101	99	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	105	103	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	103	101	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	111	109	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	96	96	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	100	98	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	118	115	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	114	113	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	90	90	50-150	33-167	1	0-35	
c-1,3-Dichloropropene	25.00	108	106	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	97	97	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	100	98	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,916	**Air**	**GC/MS K**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	120	118	50-150	33-167	2	0-35	
Ethanol	100.0	69	68	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	98	98	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	90	88	50-150	33-167	2	0-35	
Ethylbenzene	25.00	105	103	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	115	113	50-150	33-167	2	0-35	
Heptane	25.00	96	96	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	126	144	50-150	33-167	14	0-35	
Hexane	25.00	99	98	50-150	33-167	1	0-35	
2-Hexanone	25.00	99	97	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	94	93	50-150	33-167	2	0-35	
Methylene Chloride	25.00	94	93	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	100	99	50-150	33-167	1	0-35	
Naphthalene	25.00	79	97	40-190	15-215	20	0-35	
o-Xylene	25.00	106	105	52-148	36-164	2	0-38	
p/m-Xylene	50.00	109	107	42-156	23-175	2	0-41	
Propene	25.00	104	99	50-150	33-167	5	0-35	
Styrene	25.00	100	98	50-150	33-167	2	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	87	84	50-150	33-167	3	0-35	
Tert-Butyl Alcohol (TBA)	50.00	89	89	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	103	101	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	93	93	50-150	33-167	0	0-35	
Toluene	25.00	99	97	56-146	41-161	2	0-43	
Trichloroethene	25.00	100	98	63-159	47-175	2	0-34	
Trichlorofluoromethane	25.00	104	102	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	105	104	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	102	101	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	102	100	65-149	51-163	2	0-37	
1,2,3-Trichloropropane	25.00	100	98	50-150	33-167	1	0-35	
Acrolein	25.00	90	90	50-150	33-167	0	0-35	
Acrylonitrile	25.00	87	88	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	102	101	50-150	33-167	1	0-35	
Propane	50.00	98	90	50-150	33-167	8	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,916	**Air**	**GC/MS K**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	95	95	50-150	33-167	1	0-35	
Methanol	75.00	29	29	50-150	33-167	0	0-35	X
2,2,4-Trimethyl Pentane	25.00	94	92	50-150	33-167	2	0-35	
Isobutane	50.00	92	91	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	97	98	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	110	109	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	112	110	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	110	109	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	102	123	50-150	33-167	18	0-35	
Vinyl Acetate	25.00	87	86	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	102	102	45-177	23-199	0	0-36	
1,1-Difluoroethane	25.00	99	96	50-150	33-167	2	0-35	
Isopropanol	25.00	85	84	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	109	108	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,934	**Air**	**GC/MS K**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	88	95	50-150	33-167	8	0-35	
n-Propylbenzene	25.00	86	93	50-150	33-167	8	0-35	
Acetone	25.00	90	93	50-150	33-167	3	0-35	
Benzene	25.00	95	99	60-156	44-172	5	0-40	
Benzyl Chloride	25.00	115	125	50-150	33-167	8	0-35	
Bromodichloromethane	25.00	98	102	50-150	33-167	4	0-35	
Bromoform	25.00	119	128	62-134	50-146	7	0-38	
Bromomethane	25.00	108	110	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	99	103	50-150	33-167	4	0-35	
2-Butanone	25.00	97	100	50-150	33-167	3	0-35	
Carbon Disulfide	25.00	104	106	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	103	106	64-154	49-169	4	0-32	
Chlorobenzene	25.00	99	106	50-150	33-167	7	0-35	
Chloroethane	25.00	108	113	50-150	33-167	4	0-35	
Chloroform	25.00	96	99	50-150	33-167	3	0-35	
Chloromethane	25.00	109	111	50-150	33-167	1	0-35	
Cyclohexane	25.00	94	98	50-150	33-167	4	0-35	
Dibromochloromethane	25.00	103	111	50-150	33-167	7	0-35	
Dichlorodifluoromethane	25.00	109	111	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	87	89	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	100	104	50-150	33-167	4	0-35	
1,1-Dichloroethene	25.00	102	105	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	101	109	54-144	39-159	8	0-36	
Dichlorotetrafluoroethane	25.00	107	108	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	106	115	34-160	13-181	8	0-47	
1,2-Dichloroethane	25.00	96	99	69-153	55-167	3	0-35	
1,2-Dichloropropane	25.00	98	101	67-157	52-172	4	0-35	
1,3-Dichlorobenzene	25.00	114	123	50-150	33-167	7	0-35	
1,4-Dichlorobenzene	25.00	110	119	36-156	16-176	8	0-47	
1,4-Dioxane	25.00	89	92	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	105	109	61-157	45-173	4	0-35	
c-1,2-Dichloroethene	25.00	96	99	50-150	33-167	4	0-35	
t-1,2-Dichloroethene	25.00	95	100	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,934	**Air**	**GC/MS K**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	116	121	50-150	33-167	4	0-35	
Ethanol	100.0	69	71	50-150	33-167	4	0-35	
Ethyl Acetate	25.00	96	100	50-150	33-167	3	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	85	87	50-150	33-167	3	0-35	
Ethylbenzene	25.00	100	108	52-154	35-171	7	0-38	
4-Ethyltoluene	25.00	110	119	50-150	33-167	7	0-35	
Heptane	25.00	96	100	50-150	33-167	5	0-35	
Hexachloro-1,3-Butadiene	25.00	137	146	50-150	33-167	6	0-35	
Hexane	25.00	97	99	50-150	33-167	2	0-35	
2-Hexanone	25.00	94	102	50-150	33-167	8	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	90	94	50-150	33-167	4	0-35	
Methylene Chloride	25.00	96	98	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	97	101	50-150	33-167	4	0-35	
Naphthalene	25.00	89	94	40-190	15-215	5	0-35	
o-Xylene	25.00	102	110	52-148	36-164	7	0-38	
p/m-Xylene	50.00	106	114	42-156	23-175	7	0-41	
Propene	25.00	101	103	50-150	33-167	2	0-35	
Styrene	25.00	96	104	50-150	33-167	8	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	80	84	50-150	33-167	5	0-35	
Tert-Butyl Alcohol (TBA)	50.00	89	92	50-150	33-167	3	0-35	
Tetrachloroethene	25.00	99	107	56-152	40-168	8	0-40	
Tetrahydrofuran	25.00	91	93	50-150	33-167	2	0-35	
Toluene	25.00	95	102	56-146	41-161	8	0-43	
Trichloroethene	25.00	97	102	63-159	47-175	5	0-34	
Trichlorofluoromethane	25.00	107	109	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	109	110	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	101	105	50-150	33-167	3	0-35	
1,1,2-Trichloroethane	25.00	100	104	65-149	51-163	4	0-37	
1,2,3-Trichloropropane	25.00	95	103	50-150	33-167	8	0-35	
Acrolein	25.00	91	92	50-150	33-167	1	0-35	
Acrylonitrile	25.00	88	90	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	99	104	50-150	33-167	4	0-35	
Propane	50.00	93	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,934	**Air**	**GC/MS K**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	95	98	50-150	33-167	3	0-35	
Methanol	75.00	28	29	50-150	33-167	5	0-35	X
2,2,4-Trimethyl Pentane	25.00	91	95	50-150	33-167	4	0-35	
Isobutane	50.00	93	95	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	98	101	50-150	33-167	3	0-35	
1,3,5-Trimethylbenzene	25.00	106	114	50-150	33-167	7	0-35	
1,1,2,2-Tetrachloroethane	25.00	108	116	50-150	33-167	7	0-35	
1,2,4-Trimethylbenzene	25.00	106	114	50-150	33-167	7	0-35	
1,2,4-Trichlorobenzene	25.00	112	122	50-150	33-167	8	0-35	
Vinyl Acetate	25.00	84	87	50-150	33-167	3	0-35	
Vinyl Chloride	25.00	105	107	45-177	23-199	3	0-36	
1,1-Difluoroethane	25.00	98	100	50-150	33-167	2	0-35	
Isopropanol	25.00	84	87	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	104	113	50-150	33-167	8	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,935	**Air**	**GC/MS K**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	88	88	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	85	86	50-150	33-167	1	0-35	
Acetone	25.00	91	90	50-150	33-167	1	0-35	
Benzene	25.00	92	92	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	117	117	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	97	97	50-150	33-167	0	0-35	
Bromoform	25.00	122	121	62-134	50-146	0	0-38	
Bromomethane	25.00	111	108	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	100	99	50-150	33-167	1	0-35	
2-Butanone	25.00	92	91	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	105	103	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	103	102	64-154	49-169	1	0-32	
Chlorobenzene	25.00	98	99	50-150	33-167	1	0-35	
Chloroethane	25.00	110	108	50-150	33-167	1	0-35	
Chloroform	25.00	95	94	50-150	33-167	1	0-35	
Chloromethane	25.00	110	106	50-150	33-167	4	0-35	
Cyclohexane	25.00	91	90	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	104	104	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	114	114	50-150	33-167	0	0-35	
Diisopropyl Ether (DIPE)	25.00	84	83	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	96	95	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	104	102	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	100	101	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	109	107	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	105	106	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	94	93	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	95	95	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	25.00	114	115	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	109	110	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	87	87	50-150	33-167	0	0-35	
c-1,3-Dichloropropene	25.00	103	102	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	94	93	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	64	62	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,935	**Air**	**GC/MS K**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	114	114	50-150	33-167	1	0-35	
Ethanol	100.0	69	68	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	95	94	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	86	85	50-150	33-167	2	0-35	
Ethylbenzene	25.00	99	100	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	110	110	50-150	33-167	0	0-35	
Heptane	25.00	93	93	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	141	147	50-150	33-167	4	0-35	
Hexane	25.00	94	93	50-150	33-167	1	0-35	
2-Hexanone	25.00	93	94	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	89	88	50-150	33-167	1	0-35	
Methylene Chloride	25.00	98	97	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	95	95	50-150	33-167	0	0-35	
Naphthalene	25.00	91	98	40-190	15-215	7	0-35	
o-Xylene	25.00	102	102	52-148	36-164	0	0-38	
p/m-Xylene	50.00	106	107	42-156	23-175	0	0-41	
Propene	25.00	108	106	50-150	33-167	2	0-35	
Styrene	25.00	95	96	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	83	82	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	90	89	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	99	99	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	87	86	50-150	33-167	1	0-35	
Toluene	25.00	95	95	56-146	41-161	0	0-43	
Trichloroethene	25.00	97	96	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	109	106	50-150	33-167	3	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	111	108	50-150	33-167	3	0-35	
1,1,1-Trichloroethane	25.00	100	99	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	98	98	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	94	95	50-150	33-167	1	0-35	
Acrolein	25.00	90	91	50-150	33-167	0	0-35	
Acrylonitrile	25.00	87	86	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	97	97	50-150	33-167	0	0-35	
Propane	50.00	121	116	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,935	**Air**	**GC/MS K**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	95	93	50-150	33-167	1	0-35	
Methanol	75.00	31	28	50-150	33-167	9	0-35	X
2,2,4-Trimethyl Pentane	25.00	89	89	50-150	33-167	0	0-35	
Isobutane	50.00	92	91	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	97	96	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	106	106	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	108	108	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	105	106	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	117	124	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	81	79	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	105	104	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	96	94	50-150	33-167	2	0-35	
Isopropanol	25.00	84	82	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	103	104	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,950	**Air**	**GC/MS V**	**N/A**	**04/09/12**	**120409L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	97	97	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	95	94	50-150	33-167	0	0-35	
Acetone	25.00	111	103	50-150	33-167	7	0-35	
Benzene	25.00	109	109	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	109	108	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	115	113	50-150	33-167	1	0-35	
Bromoform	25.00	111	110	62-134	50-146	2	0-38	
Bromomethane	25.00	123	120	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	113	109	50-150	33-167	3	0-35	
2-Butanone	25.00	120	116	50-150	33-167	3	0-35	
Carbon Disulfide	25.00	135	133	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	118	116	64-154	49-169	2	0-32	
Chlorobenzene	25.00	105	105	50-150	33-167	0	0-35	
Chloroethane	25.00	124	123	50-150	33-167	1	0-35	
Chloroform	25.00	113	110	50-150	33-167	2	0-35	
Chloromethane	25.00	123	121	50-150	33-167	2	0-35	
Cyclohexane	25.00	111	112	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	114	113	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	121	116	50-150	33-167	4	0-35	
Diisopropyl Ether (DIPE)	25.00	114	111	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	109	108	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	115	112	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	111	111	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	108	103	50-150	33-167	5	0-35	
1,2-Dichlorobenzene	25.00	98	97	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	115	113	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	110	110	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	25.00	104	103	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	104	103	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	128	119	50-150	33-167	7	0-35	
c-1,3-Dichloropropene	25.00	118	117	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	106	106	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	102	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,950	**Air**	**GC/MS V**	**N/A**	**04/09/12**	**120409L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	131	128	50-150	33-167	2	0-35	
Ethanol	100.0	103	95	50-150	33-167	8	0-35	
Ethyl Acetate	25.00	114	113	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	112	110	50-150	33-167	2	0-35	
Ethylbenzene	25.00	110	110	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	109	110	50-150	33-167	0	0-35	
Heptane	25.00	106	107	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	87	86	50-150	33-167	1	0-35	
Hexane	25.00	117	115	50-150	33-167	2	0-35	
2-Hexanone	25.00	123	121	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	110	110	50-150	33-167	0	0-35	
Methylene Chloride	25.00	115	118	50-150	33-167	3	0-35	
4-Methyl-2-Pentanone	25.00	121	118	50-150	33-167	2	0-35	
Naphthalene	25.00	90	89	40-190	15-215	1	0-35	
o-Xylene	25.00	110	109	52-148	36-164	1	0-38	
p/m-Xylene	50.00	115	114	42-156	23-175	2	0-41	
Propene	25.00	122	119	50-150	33-167	2	0-35	
Styrene	25.00	106	105	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	106	107	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	123	107	50-150	33-167	13	0-35	
Tetrachloroethene	25.00	109	110	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	115	113	50-150	33-167	2	0-35	
Toluene	25.00	110	111	56-146	41-161	0	0-43	
Trichloroethene	25.00	112	111	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	120	113	50-150	33-167	6	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	115	112	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	116	113	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	112	110	65-149	51-163	2	0-37	
1,2,3-Trichloropropane	25.00	106	106	50-150	33-167	0	0-35	
Acrolein	25.00	113	109	50-150	33-167	4	0-35	
Acrylonitrile	25.00	111	105	50-150	33-167	6	0-35	
Methyl Methacrylate	25.00	120	118	50-150	33-167	1	0-35	
Propane	50.00	125	121	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: 12-03-1880
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,950	**Air**	**GC/MS V**	**N/A**	**04/09/12**	**120409L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	122	118	50-150	33-167	3	0-35	
Methanol	75.00	67	61	50-150	33-167	10	0-35	
2,2,4-Trimethyl Pentane	25.00	107	107	50-150	33-167	1	0-35	
Isobutane	50.00	122	117	50-150	33-167	4	0-35	
1,1,1,2-Tetrafluoroethane	25.00	116	114	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	111	111	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	102	103	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	111	110	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	76	76	50-150	33-167	0	0-35	
Vinyl Acetate	25.00	105	103	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	116	113	45-177	23-199	2	0-36	
1,1-Difluoroethane	25.00	115	112	50-150	33-167	2	0-35	
Isopropanol	25.00	118	102	50-150	33-167	14	0-35	
2-Chlorotoluene	25.00	117	117	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: **12-03-1880**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE-1M_032712	-2.00	-29.60	SLC067	Summa Canister 1L
OC_SVE_VE-2S_032712	-2.00	-29.50	LC157	Summa Canister 1L
OC_SVE_VE-2M_032712	-2.00	-29.60	SLC053	Summa Canister 1L
OC_SVE_VE-3S_032712	-2.00	-29.50	LC489	Summa Canister 1L
OC_SVE_VE-3M_032712	-2.00	-29.70	SLC069	Summa Canister 1L
OC_SVE_VE-4S_032712	-2.00	-29.60	LC031	Summa Canister 1L
OC_SVE_VE-4M_032712	-2.00	-29.50	SLC046	Summa Canister 1L
OC_SVE_VE-5M_032712	-2.00	-29.50	SLC068	Summa Canister 1L
OC_SVE_VE-7S_032712	-2.00	-29.70	LC426	Summa Canister 1L
OC_SVE_VMP-1_032712	-2.00	-29.70	SLC140	Summa Canister 1L
OC_SVE_VMP-2_032712	-2.00	-29.60	LC223	Summa Canister 1L
OC_SVE_VMP-3_032712	-2.00	-29.50	LC481	Summa Canister 1L
OC_SVE_VMP-4_032712	-2.00	-29.50	LC435	Summa Canister 1L
OC_SVE_VMP-5_032712	-2.00	-29.60	LC228	Summa Canister 1L
OC_SVE_VMP-6_032712	-5.00	-29.60	LC193	Summa Canister 1L
OC_SVE_VMP-11_032712	-2.00	-29.50	LC316	Summa Canister 1L
OC_SVE_VMP-12_032712	-2.00	-29.70	SLC034	Summa Canister 1L
OC_SVE_VMP-13_032712	-2.00	-29.60	SLC095	Summa Canister 1L
OC_SVE_VMP-14_032712	-2.00	-29.70	LC011	Summa Canister 1L
OC_SVE_VMP-15_032712	-2.00	-29.60	LC307	Summa Canister 1L
OC_SVE_VMP-16_032712	-2.00	-29.60	LC501	Summa Canister 1L
OC_SVE_VMP-17_032712	-2.00	-29.70	LC083	Summa Canister 1L
OC_SVE_VMP-18_032712	-2.00	-29.60	SLC088	Summa Canister 1L
OC_SVE_VMP-19_032712	-2.00	-29.60	SLC071	Summa Canister 1L
OC_SVE_VMP-20_032712	-2.00	-29.70	LC507	Summa Canister 1L
OC_SVE_VMP-21_032712	-2.00	-29.50	LC094	Summa Canister 1L
OC_SVE_VMP-22_032712	-2.00	-29.60	LC338	Summa Canister 1L
OC_SVE_VMP-23_032712	-2.00	-29.50	LC312	Summa Canister 1L

Work Order Number: **12-03-1880**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VMP-24_032712	-2.00	-29.50	LC140	Summa Canister 1L
OC_SVE_VMP-25_032712	-2.00	-29.50	LC048	Summa Canister 1L
OC_SVE_VMP-26_032712	-2.00	-29.60	LC523	Summa Canister 1L
OC_SVE_VMP-27_032712	-2.00	-29.70	LC250	Summa Canister 1L
OC_SVE_VMP-25_032712K	-2.00	-29.50	LC112	Summa Canister 1L
OC_SVE_VMP-3_032712K	-2.00	-29.50	LC146	Summa Canister 1L
OC_SVE_VMP-18_032712K	-2.00	-29.70	SLC089	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-1880

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: 03/27/12
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

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

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-03-1880

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

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_032712		SV	SLC067	1L	A373	3/27/2012	1504	-30	3/27/2012	1509	-2	x				
2	OC_SVE_VE-2S_032712		SV	LC157	1L	A157	3/27/2012	1451	-30	3/27/2012	1456	-2	x				
3	OC_SVE_VE-2M_032712		SV	SLC053	1L	A227	3/27/2012	1456	-30	3/27/2012	1501	-2	x				
4	OC_SVE_VE-3S_032712		SV	LC489	1L	A18	3/27/2012	1435	-30	3/27/2012	1440	-2	x				
5	OC_SVE_VE-3M_032712		SV	SLC069	1L	A388	3/27/2012	1430	-30	3/27/2012	1435	-2	x				
6	OC_SVE_VE-4S_032712		SV	LC031	1L	A343	3/27/2012	1511	-30	3/27/2012	1516	-2	x				
7	OC_SVE_VE-4M_032712		SV	LC046	1L	A297	3/27/2012	1516	-30	3/27/2012	1521	-2	x				
8	OC_SVE_VE-5M_032712		SV	SLC068	1L	A335	3/27/2012	1545	-30	3/27/2012	1550	-2	x				
9	OC_SVE_VE-7S_032712		SV	LC426	1L	A163	3/27/2012	1312	-30	3/27/2012	1317	-2	x				
10	OC_SVE_VMP-1_032712		SV	SLC140	1L	A222	3/27/2012	1521	-30	3/27/2012	1526	-2	x				
11	OC_SVE_VMP-2_032712		SV	LC223	1L	A361	3/27/2012	1519	-30	3/27/2012	1524	-2	x				
12	OC_SVE_VMP-3_032712		SV	LC481	1L	A282	3/27/2012	1438	-30	3/27/2012	1443	-2	x				
13	OC_SVE_VMP-4_032712		SV	LC435	1L	A275	3/27/2012	1316	-30	3/27/2012	1321	-2	x				
14	OC_SVE_VMP-5_032712		SV	LC228	1L	A161	3/27/2012	1300	-30	3/27/2012	1305	-2	x				
15	OC_SVE_VMP-6_032712		SV	LC493	1L	A382	3/27/2012	1249	-30	3/27/2012	1254	-5	x				

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	3/28/12	1207
		3/28/12	1445

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: 03/27/12
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: 03-1864

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)				
16	1	OC_SVE_VMP-11_032712		SV	LL316	1L	A218	3/27/2012	1034	-30	3/27/2012	1039	-2	x				
17	2	OC_SVE_VMP-12_032712		SV	LL034	1L	A378	3/27/2012	1023	-30	3/27/2012	1028	-2	x				
18	3	OC_SVE_VMP-13_032712		SV	LL095	1L	A242	3/27/2012	0927	-30	3/27/2012	0932	-2	x				
19	4	OC_SVE_VMP-14_032712		SV	LL011	1L	A02	3/27/2012	0937	-30	3/27/2012	0942	-2	x				
20	5	OC_SVE_VMP-15_032712		SV	LL307	1L	A79	3/27/2012	1014	-30	3/27/2012	1019	-2	x				
21	6	OC_SVE_VMP-16_032712		SV	LL501	1L	A381	3/27/2012	0916	-30	3/27/2012	0921	-2	x				
22	7	OC_SVE_VMP-17_032712		SV	LL033	1L	A315	3/27/2012	1003	-30	3/27/2012	1008	-2	x				
23	8	OC_SVE_VMP-18_032712		SV	SLL088	1L	A143	3/27/2012	1606	-30	3/27/2012	1611	-2	x				
24	9	OC_SVE_VMP-19_032712		SV	SLL071	1L	A20	3/27/2012	1615	-30	3/27/2012	1620	-2	x				
25	10	OC_SVE_VMP-20_032712		SV	LL507	1L	A171	3/27/2012	1538	-30	3/27/2012	1543	-2	x				
26	11	OC_SVE_VMP-21_032712		SV	LL094	1L	A136	3/27/2012	1426	-30	3/27/2012	1431	-2	x				
27	12	OC_SVE_VMP-22_032712		SV	LL338	1L	A384	3/27/2012	1320	-30	3/27/2012	1325	-2	x				
28	13	OC_SVE_VMP-23_032712		SV	LL132	1L	A15	3/27/2012	1103	-30	3/27/2012	1108	-2	x				
29	14	OC_SVE_VMP-24_032712		SV	LL140	1L	A228	3/27/2012	1055	-30	3/27/2012	1100	-2	x				
30	15	OC_SVE_VMP-25_032712		SV	LL048	1L	A205	3/27/2012	1112	-30	3/27/2012	1117	-2	x				

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/28/12	Time: 1207
Relinquished by: (Signature)	Received by: (Signature)	Date: 3/28/12	Time: 1445
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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: 03/27/12
PAGE: 3 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: 0 5 - 1 8 8 0

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)
31 / 16	1	OC_SVE_VMP-26_032712		SV	LC523	1L	A339	3/27/2012	1414	-30	3/27/2012	1419	-2	x
32 / 17	2	OC_SVE_VMP-27_032712		SV	LC250	1L	A202	3/27/2012	1357	-30	3/27/2012	1402	-2	x
33 / 18	3	OC_SVE_VMP-25_032712K		SV	LC112	1L	A321	3/27/2012	1120	-30	3/27/2012	1125	-2	x
34 / 19	4	OC_SVE_VMP-3_032712K		SV	LC146	1L	A234	3/27/2012	1445	-30	3/27/2012	1450	-2	x
35 / 20	5	OC_SVE_VMP-18_032712K		SV	SC089	1L	A43	3/27/2012	1611	-30	3/27/2012	1616	-2	x
	6	RS 3/28/12												
	7													
	8													
	9													
	10													
	11													
	12													
	13													
	14													
	15													

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] CEL	3/28/12	1207
[signature]	[signature]	3/28/12	1445

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-1880

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 03/28/12

TEMPERATURE: Thermometer ID: SC3 (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: RS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / 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:** RS

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-1880

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☑ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

(-26) Labeled as OC-SVE-VMP-18-032712 03/27/12 @ 1426

(-17) Label received blank. Labeled per Can ID.

(-28) No sample ID and collection date on label. Labeled per Can ID and collection time.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: NC 03/28/12

Calscience
Environmental
Laboratories, Inc.

CEL Work Order #12-03-1880

Client: de maximis, inc.

Omega

QA Summaries

Initial Calibration
Instrument Tune
Continuing Calibration

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-750

Response Factor Report GCMS K

Method : C:\MSDCHEM\1\METHODS\120328A.M (RTE Integrator)
Title : ICAL 10/26/96
Last Update : Thu Mar 29 10:45:05 2012
Response via : Initial Calibration

Calibration Files
1 =28MAR02.D 2 =28MAR03.D 3 =28MAR04.D 7 =28MAR06.D
4 =28MAR05.D 5 =28MAR08.D 6 =28MAR07.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)		Propene			0.861	0.780	0.697	0.586	0.529	0.691	19.72
3)		1,1,1,2-Tetrafl	0.673	0.648	0.714	0.690	0.664	0.601	0.545	0.648	8.89
4)		Propane			0.391	0.314	0.257	0.196	0.171	0.266	33.56
5)		Dichlorodifluor	1.304	1.308	1.462	1.367	1.190	1.116	1.055	1.258	11.43
6)		1,1-Difluoroeth		0.936	1.025	0.991	0.927	0.849	0.792	0.920	9.44
7)		Chloromethane	0.276	0.299	0.347	0.332	0.318	0.302	0.286	0.309	8.21
8)		Dichlorotetrafl	1.243	1.237	1.365	1.288	1.133	1.016	0.899	1.169	13.99
9)		Isobutane		0.597	0.628	0.577	0.523	0.468	0.417	0.535	15.13
10)		Methanol			0.077	0.075	0.065	0.060	0.054	0.066	14.71
11)		Vinyl Chloride	0.430	0.429	0.494	0.473	0.452	0.428	0.407	0.445	6.76
12)		1,3-Butadiene		0.309	0.351	0.337	0.328	0.307	0.288	0.320	7.14
13)		Butane		0.495	0.544	0.507	0.471	0.428	0.386	0.472	12.05
14)		Bromomethane	0.393	0.404	0.469	0.450	0.417	0.392	0.384	0.415	7.79
15)		Chloroethane	0.144	0.208	0.226	0.218	0.215	0.202	0.194	0.201	13.51
16)		Ethanol		0.131	0.143	0.139	0.132	0.121	0.108	0.129	9.91
17)		Acrolein			0.181	0.176	0.174	0.164	0.159	0.171	5.11
18)		Acetone		0.265	0.231	0.213	0.208	0.197	0.189	0.217	12.61
19)		Trichlorofluoro	1.351	1.344	1.527	1.445	1.247	1.158	1.131	1.315	11.09
20)		Isopropanol		0.713	0.728	0.714	0.681	0.635	0.579	0.675	8.52
21)		Acrylonitrile		0.296	0.345	0.337	0.324	0.306	0.295	0.317	6.73
22)		1,1-Dichloroeth	0.738	0.739	0.840	0.806	0.741	0.684	0.663	0.745	8.37
23)		Methylene Chlor		0.437	0.411	0.383	0.362	0.340	0.328	0.377	11.13
24)		Tert-Butyl Alco		0.879	0.979	0.944	0.869	0.792	0.725	0.865	10.88
25)		1,1,2-Trichloro		0.932	1.038	0.990	0.883	0.798	0.748	0.898	12.39
26)		Carbon Disulfid	1.196	1.131	1.290	1.225	1.133	1.032	0.950	1.137	10.19
27)		t-1,2-Dichloroe	0.460	0.827	0.923	0.855	0.863	0.771	0.709	0.773	19.93
28)		1,1-Dichloroeth	0.896	1.548	1.711	1.598	1.591	1.463	1.337	1.449	18.66
29)		Methyl-t-Butyl		1.833	2.057	1.948	2.001	1.846	1.662	1.891	7.50
30)		Vinyl Acetate		2.213	2.608	2.471	2.336	2.116	1.919	2.277	10.92
31)		2-Butanone		1.796	2.071	1.993	1.851	1.669	1.562	1.824	10.51
32)		c-1,2-Dichloroe	0.854	0.872	0.979	0.934	0.947	0.878	0.793	0.894	7.10
33)		Hexane		1.377	1.522	1.410	1.296	1.037	0.820	1.244	21.21
34)		Diisopropyl Eth		3.300	3.596	3.308	2.794	2.105		3.021	19.46
35)		Ethyl Acetate			0.114	0.107	0.107	0.092	0.077	0.099	14.70
36)		Chloroform	1.789	1.768	1.972	1.864	1.795	1.661	1.524	1.768	8.11
37)		Tetrahydrofuran		0.998	1.159	1.123	1.075	1.000	0.933	1.048	8.17
38)		Ethyl-t-Butyl E		2.384	2.712	2.594	2.617	2.391	2.101	2.466	8.98
39)	S	1,2-Dichloroeth	1.497	1.509	1.527	1.536	1.449	1.450	1.502	1.496	2.30
40)		1,2-Dichloroeth	1.239	1.241	1.387	1.337	1.309	1.247	1.212	1.282	4.99
41)		1,1,1-Trichloro	1.687	1.709	1.986	1.918	1.912	1.819	1.736	1.824	6.44
42)	I	1,4-Difluorobenzene	----------ISTD----------								
43)		Benzene	0.691	0.669	0.730	0.691	0.693	0.645	0.583	0.672	6.99

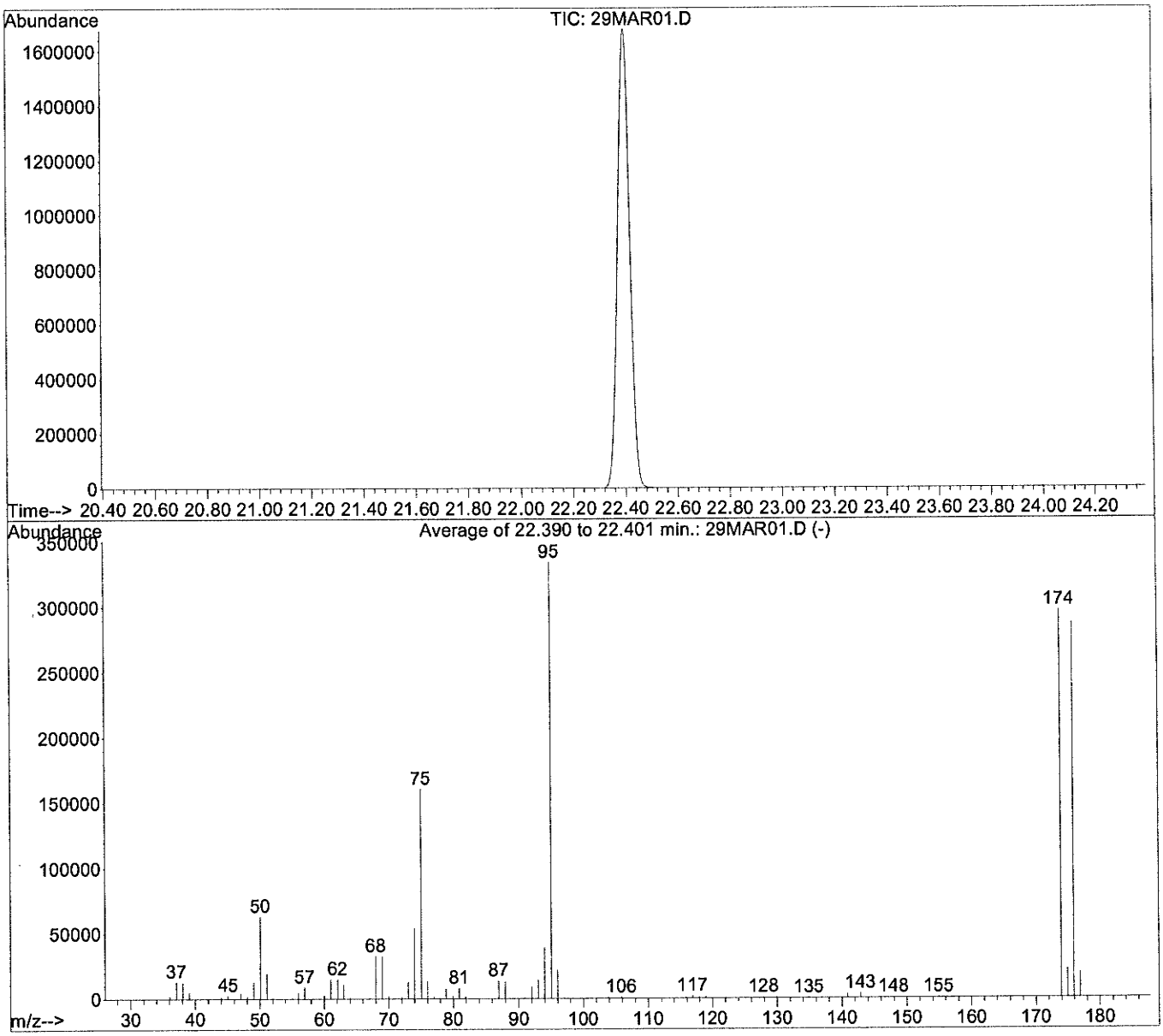
44)		Carbon Tetrachl	0.434	0.447	0.529	0.513	0.504	0.483	0.464	0.482	7.35
45)		Cyclohexane	0.383	0.385	0.424	0.401	0.409	0.376	0.334	0.387	7.47
46)		Tert-Amyl-Methy		0.448	0.523	0.502	0.529	0.490	0.439	0.489	7.65
47)		1,2-Dichloropro	0.252	0.259	0.295	0.280	0.284	0.265	0.238	0.268	7.41
48)		Bromodichlorome	0.470	0.481	0.552	0.525	0.521	0.488	0.460	0.500	6.73
49)		Trichloroethene	0.309	0.301	0.331	0.314	0.309	0.277	0.243	0.298	9.78
50)		2,2,4-Trimethyl	1.318	1.275	1.410	1.338	1.305	1.146	0.938	1.247	12.67
51)		1,4-Dioxane			0.170	0.165	0.167	0.149	0.123	0.155	12.62
52)		Methyl Methacry	0.208	0.223	0.260	0.258	0.261	0.244	0.222	0.239	9.00
53)		Heptane		0.063	0.074	0.071	0.074	0.068	0.060	0.068	8.69
54)		c-1,3-Dichlorop	0.310	0.333	0.415	0.411	0.428	0.408	0.388	0.385	11.75
55)		4-Methyl-2-Pent		0.233	0.260	0.261	0.267	0.252	0.231	0.251	6.08
56)		t-1,3-Dichlorop	0.213	0.252	0.345	0.351	0.377	0.368	0.363	0.324	19.87
57)		1,1,2-Trichloro	0.232	0.243	0.271	0.261	0.267	0.250	0.231	0.251	6.45
58)	S	Toluene-d8	1.044	1.048	1.058	1.059	1.059	1.073	1.099	1.063	1.73
59)		Chlorobenzene-d5	----------ISTD----------								
60)		Toluene	0.985	0.929	0.952	0.927	0.940	0.861	0.762	0.908	8.20
61)		2-Hexanone		0.337	0.363	0.371	0.380	0.356	0.321	0.355	6.21
62)		Dibromochlorome	0.472	0.482	0.567	0.559	0.564	0.526	0.480	0.521	8.19
63)		1,2-Dibromoetha	0.430	0.447	0.500	0.493	0.504	0.468	0.423	0.466	7.24
64)		Tetrachloroethe	0.414	0.402	0.444	0.432	0.458	0.424	0.383	0.423	6.01
65)		Chlorobenzene	0.690	0.682	0.737	0.724	0.777	0.724	0.655	0.713	5.66
66)		Ethylbenzene	1.128	1.115	1.215	1.204	1.284	1.179	1.049	1.168	6.60
67)		p/m-Xylene	0.949	0.935	1.034	1.025	0.998	0.849	0.660	0.921	14.29
68)		Bromoform	0.414	0.449	0.554	0.568	0.562	0.504	0.422	0.496	13.61
69)		Styrene		0.654	0.735	0.742	0.799	0.763	0.694	0.731	7.01
70)		1,1,2,2-Tetrach	0.646	0.646	0.711	0.716	0.721	0.649	0.528	0.660	10.24
71)		o-Xylene	0.939	0.919	0.984	0.979	1.009	0.922	0.799	0.936	7.41
72)		1,2,3-Trichloro	0.485	0.479	0.548	0.548	0.562	0.519	0.473	0.516	7.26
73)	S	1,4-Bromofluoro	0.722	0.723	0.736	0.748	0.728	0.729	0.743	0.733	1.35
74)		Isopropylbenzen	1.438	1.421	1.396	1.417	1.468	1.368	1.215	1.389	5.98
75)		2-Chlorotoluene	0.803	0.792	0.925	0.937	1.008	0.954	0.880	0.900	8.88
76)		n-Propylbenzene	1.759	1.742	1.680	1.722	1.767	1.629	1.424	1.675	7.21
77)		4-Ethyltoluene	1.206	1.231	1.314	1.352	1.451	1.366	1.216	1.305	7.03
78)		1,3,5-Trimethyl	1.085	1.095	1.115	1.143	1.223	1.147	1.040	1.121	5.15
79)		1,2,4-Trimethyl		1.078	1.102	1.143	1.251	1.195	1.104	1.146	5.77
80)		Benzyl Chloride		0.532	0.734	0.875	1.004	0.971	0.822	0.823	21.07
81)		1,3-Dichloroben	0.734	0.725	0.736	0.778	0.840	0.775	0.686	0.754	6.54
82)		1,4-Dichloroben	0.737	0.730	0.719	0.753	0.832	0.808	0.752	0.762	5.54
83)		1,2-Dichloroben	0.710	0.705	0.666	0.703	0.789	0.777	0.738	0.727	6.02
84)		1,2,4-Trichloro		0.549	0.366	0.483	0.611	0.671		0.536	22.07
85)		Naphthalene		1.718	0.973	1.238	1.325	1.436		1.338	20.38
86)		Hexachloro-1,3-		0.446	0.337	0.486	0.642	0.663		0.515	26.67

(#) = Out of Range

120328A.M Mon Apr 02 14:16:04 2012

Data File : W:\DATA\2012\120329\29MAR01.D
Acq On : 29 Mar 2012 9:29 am
Sample : TUNE CHECK
Misc : AIR 01-23-19 702
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\120328A.M (RTE Integrator)
Title : ICAL 10/26/96

Vial: 1
Operator:
Inst : GCMS K
Multiplr: 1.00



AutoFind: Scans 4062, 4063, 4064; Background Corrected with Scan 4047

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	63424	PASS
75	95	30	60	48.1	160874	PASS
95	95	100	100	100.0	334464	PASS
96	95	5	9	6.8	22589	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.7	296618	PASS
175	174	5	9	7.4	22037	PASS
176	174	95	101	96.7	286954	PASS
177	176	5	9	6.8	19381	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2172	0.2018		7	0-45	PASS
C	Benzene	0.6717	0.6390		5	0-30	PASS
C	Benzyl Chloride	0.8229	0.9389		14	0-30	PASS
C	Bromodichloromethane	0.4996	0.5035		1	0-45	PASS
C	Bromoform	0.4962	0.5696		15	0-30	PASS
C	Bromomethane	0.4155	0.4343		5	0-30	PASS
C	1,3-Butadiene	0.3200	0.3102		3	0-30	PASS
C	2-Butanone	1.8235	1.8252		0	0-30	PASS
C	Carbon Disulfide	1.1369	1.1662		3	0-30	PASS
C	Carbon Tetrachloride	0.4818	0.5000		4	0-30	PASS
C	Chlorobenzene	0.7126	0.7063		1	0-30	PASS
C	Chloroethane	0.2012	0.2086		4	0-30	PASS
C	Chloroform	1.7675	1.7408		2	0-30	PASS
C	Chloromethane	0.3086	0.3034		2	0-30	PASS
C	Cyclohexane	0.3874	0.3763		3	0-30	PASS
C	Dibromochloromethane	0.5215	0.5483		5	0-45	PASS
C	Dichlorodifluoromethane	1.2576	1.3250		5	0-30	PASS
C	Diisopropyl Ether (DIPE)	3.0207	2.7650		8	0-45	PASS
C	1,1-Dichloroethane	1.4491	1.4859		3	0-30	PASS
C	1,1-Dichloroethene	0.7446	0.7592		2	0-30	PASS
C	1,2-Dibromoethane	0.4664	0.4778		2	0-30	PASS
C	Dichlorotetrafluoroethane	1.1687	1.2221		5	0-30	PASS
C	1,2-Dichlorobenzene	0.7268	0.7196		1	0-30	PASS
C	1,2-Dichloroethane	1.2819	1.2664		1	0-30	PASS
C	1,2-Dichloropropane	0.2678	0.2620		2	0-30	PASS
C	1,3-Dichlorobenzene	0.7535	0.7927		5	0-30	PASS
C	1,4-Dichlorobenzene	0.7616	0.7649		0	0-30	PASS
C	1,4-Dioxane	0.1547	0.1537		1	0-30	PASS
C	c-1,3-Dichloropropene	0.3846	0.4009		4	0-30	PASS
C	c-1,2-Dichloroethene	0.8939	0.8628		3	0-30	PASS
C	t-1,2-Dichloroethene	0.7726	0.8044		4	0-45	PASS
C	t-1,3-Dichloropropene	0.3242	0.3506		8	0-30	PASS
C	Ethanol	0.1290	0.1203		7	0-30	PASS
C	Ethyl Acetate	0.0993	0.0943		5	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.4664	2.3163		6	0-45	PASS
C	Ethylbenzene	1.1676	1.1799		1	0-30	PASS
C	4-Ethyltoluene	1.3050	1.3500		3	0-45	PASS
C	Heptane	0.0681	0.0665		2	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.5147	0.5665		10	0-30	PASS
C	Hexane	1.2437	1.2123		3	0-30	PASS
C	2-Hexanone	0.3548	0.3519		1	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8911	1.8031		5	0-30	PASS
C	Methylene Chloride	0.3768	0.3657		3	0-30	PASS
C	4-Methyl-2-Pentanone	0.2506	0.2475		1	0-30	PASS
C	Naphthalene	1.3380	1.0817		19	0-30	PASS
C	o-Xylene	0.9359	0.9527		2	0-30	PASS
C	p/m-Xylene	0.9213	0.9821		7	0-30	PASS
C	Propene	0.6906	0.6902		0	0-30	PASS
C	Styrene	0.7311	0.7315		0	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.4886	0.4507		8	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	0.8647	0.8257		5	0-45	PASS
C	Tetrachloroethene	0.4225	0.4230		0	0-30	PASS
C	Tetrahydrofuran	1.0481	1.0151		3	0-30	PASS
C	Toluene	0.9080	0.8792		3	0-30	PASS
C	Trichloroethene	0.2977	0.2953		1	0-30	PASS
C	Trichlorofluoromethane	1.3146	1.4084		7	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	0.8983	0.9525		6	0-30	PASS
C	1,1,1-Trichloroethane	1.8239	1.8381		1	0-30	PASS
C	1,1,2-Trichloroethane	0.2507	0.2531		1	0-30	PASS
C	n-Propylbenzene	1.6745	1.6749		0	0-30	PASS
C	Isopropylbenzene	1.3890	1.3847		0	0-30	PASS
C	2-Chlorotoluene	0.8999	0.8997		0	0-30	PASS
C	Acrolein	0.1676	0.1638		2	0-30	PASS
C	Acrylonitrile	0.3172	0.3095		2	0-30	PASS
C	Methyl Methacrylate	0.2112	0.2431		15	0-30	PASS
C	Propane	0.2660	0.2751		3	0-30	PASS
C	Butane	0.4718	0.4469		5	0-30	PASS
C	Methanol	0.0662	0.0575		13	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.2354	1.2275		1	0-30	PASS
C	Isobutane	0.5352	0.4979		7	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.6478	0.6317		2	0-30	PASS
C	1,3,5-Trimethylbenzene	1.1209	1.1487		2	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.6596	0.6990		6	0-30	PASS
C	1,2,4-Trimethylbenzene	1.1455	1.1509		0	0-30	PASS
C	1,2,4-Trichlorobenzene	0.5358	0.5058		6	0-30	PASS
C	Vinyl Acetate	2.2773	2.2681		0	0-30	PASS
C	Vinyl Chloride	0.4448	0.4444		0	0-30	PASS
C	1,1-Difluoroethane	0.9199	0.8998		2	0-30	PASS
C	Isopropanol	0.6748	0.6346		6	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120330A
CCV DATE ANALYZED: 3/30/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2172	0.1938		11	0-45	PASS
C	Benzene	0.6717	0.6087		9	0-30	PASS
C	Benzyl Chloride	0.8229	0.8744		6	0-30	PASS
C	Bromodichloromethane	0.4996	0.4858		3	0-45	PASS
C	Bromoform	0.4962	0.5482		11	0-30	PASS
C	Bromomethane	0.4155	0.4368		5	0-30	PASS
C	1,3-Butadiene	0.3200	0.3041		5	0-30	PASS
C	2-Butanone	1.8235	1.6950		7	0-30	PASS
C	Carbon Disulfide	1.1369	1.1531		1	0-30	PASS
C	Carbon Tetrachloride	0.4818	0.4893		2	0-30	PASS
C	Chlorobenzene	0.7126	0.6632		7	0-30	PASS
C	Chloroethane	0.2012	0.2059		2	0-30	PASS
C	Chloroform	1.7675	1.6882		4	0-30	PASS
C	Chloromethane	0.3086	0.3025		2	0-30	PASS
C	Cyclohexane	0.3874	0.3556		8	0-30	PASS
C	Dibromochloromethane	0.5215	0.5181		1	0-45	PASS
C	Dichlorodifluoromethane	1.2576	1.5949		27	0-30	PASS
C	Diisopropyl Ether (DIPE)	3.0207	2.6568		12	0-45	PASS
C	1,1-Dichloroethane	1.4491	1.4183		2	0-30	PASS
C	1,1-Dichloroethene	0.7446	0.7603		2	0-30	PASS
C	1,2-Dibromoethane	0.4664	0.4502		3	0-30	PASS
C	Dichlorotetrafluoroethane	1.1687	1.2378		6	0-30	PASS
C	1,2-Dichlorobenzene	0.7268	0.6749		7	0-30	PASS
C	1,2-Dichloroethane	1.2819	1.2255		4	0-30	PASS
C	1,2-Dichloropropane	0.2678	0.2486		7	0-30	PASS
C	1,3-Dichlorobenzene	0.7535	0.7553		0	0-30	PASS
C	1,4-Dichlorobenzene	0.7616	0.7211		5	0-30	PASS
C	1,4-Dioxane	0.1547	0.1454		6	0-30	PASS
C	c-1,3-Dichloropropene	0.3846	0.3809		1	0-30	PASS
C	c-1,2-Dichloroethene	0.8939	0.8247		8	0-30	PASS
C	t-1,2-Dichloroethene	0.7726	0.7617		1	0-45	PASS
C	t-1,3-Dichloropropene	0.3242	0.3283		1	0-30	PASS
C	Ethanol	0.1290	0.1159		10	0-30	PASS
C	Ethyl Acetate	0.0993	0.0899		9	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120330A
CCV DATE ANALYZED: 3/30/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.4664	2.1412		13	0-45	PASS
C	Ethylbenzene	1.1676	1.1017		6	0-30	PASS
C	4-Ethyltoluene	1.3050	1.2765		2	0-45	PASS
C	Heptane	0.0681	0.0638		6	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.5147	0.5461		6	0-30	PASS
C	Hexane	1.2437	1.1716		6	0-30	PASS
C	2-Hexanone	0.3548	0.3280		8	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8911	1.6641		12	0-30	PASS
C	Methylene Chloride	0.3768	0.3620		4	0-30	PASS
C	4-Methyl-2-Pentanone	0.2506	0.2355		6	0-30	PASS
C	Naphthalene	1.3380	1.0533		21	0-30	PASS
C	o-Xylene	0.9359	0.8990		4	0-30	PASS
C	p/m-Xylene	0.9213	0.9365		2	0-30	PASS
C	Propene	0.6906	0.7557		9	0-30	PASS
C	Styrene	0.7311	0.6868		6	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.4886	0.4043		17	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	0.8647	0.7815		10	0-45	PASS
C	Tetrachloroethene	0.4225	0.3984		6	0-30	PASS
C	Tetrahydrofuran	1.0481	0.9673		8	0-30	PASS
C	Toluene	0.9080	0.8287		9	0-30	PASS
C	Trichloroethene	0.2977	0.2830		5	0-30	PASS
C	Trichlorofluoromethane	1.3146	1.4345		9	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	0.8983	0.9556		6	0-30	PASS
C	1,1,1-Trichloroethane	1.8239	1.7832		2	0-30	PASS
C	1,1,2-Trichloroethane	0.2507	0.2404		4	0-30	PASS
C	n-Propylbenzene	1.6745	1.5823		6	0-30	PASS
C	Isopropylbenzene	1.3890	1.3011		6	0-30	PASS
C	2-Chlorotoluene	0.8999	0.8426		6	0-30	PASS
C	Acrolein	0.1676	0.1591		5	0-30	PASS
C	Acrylonitrile	0.3172	0.2963		7	0-30	PASS
C	Methyl Methacrylate	0.2112	0.2305		9	0-30	PASS
C	**Propane**	**0.2660**	**0.3767**		**42**	**0-30**	**FAIL**
C	Butane	0.4718	0.4411		7	0-30	PASS
C	Methanol	0.0662	0.0608		8	0-30	PASS

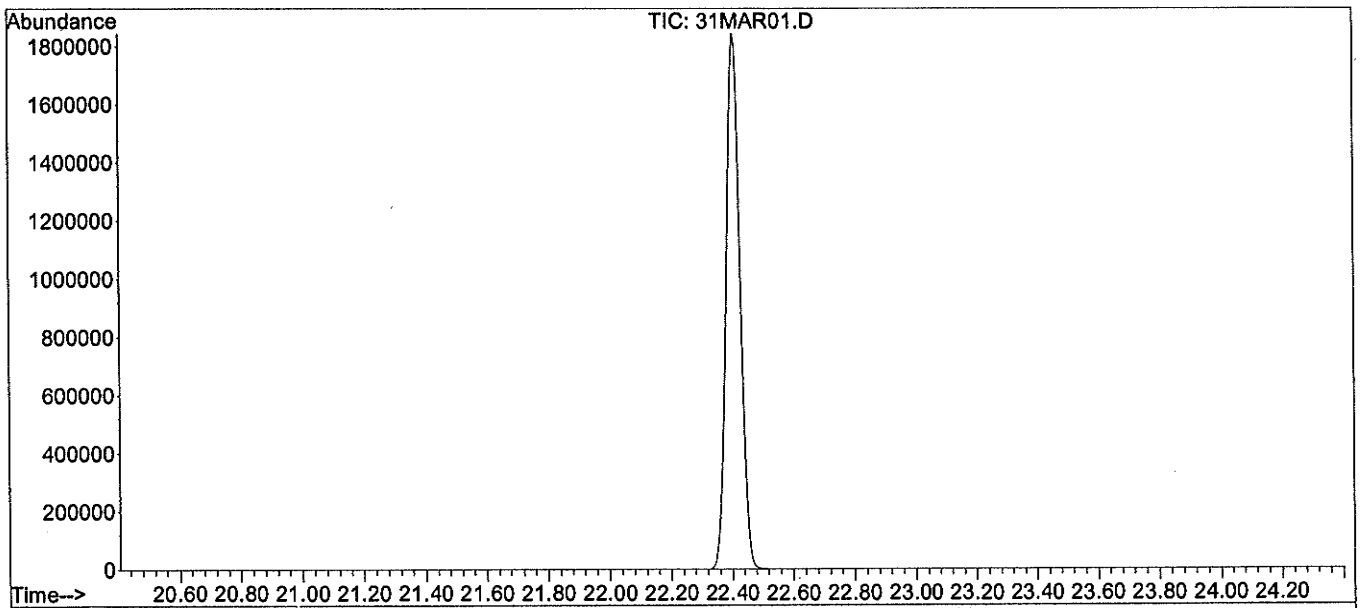
CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

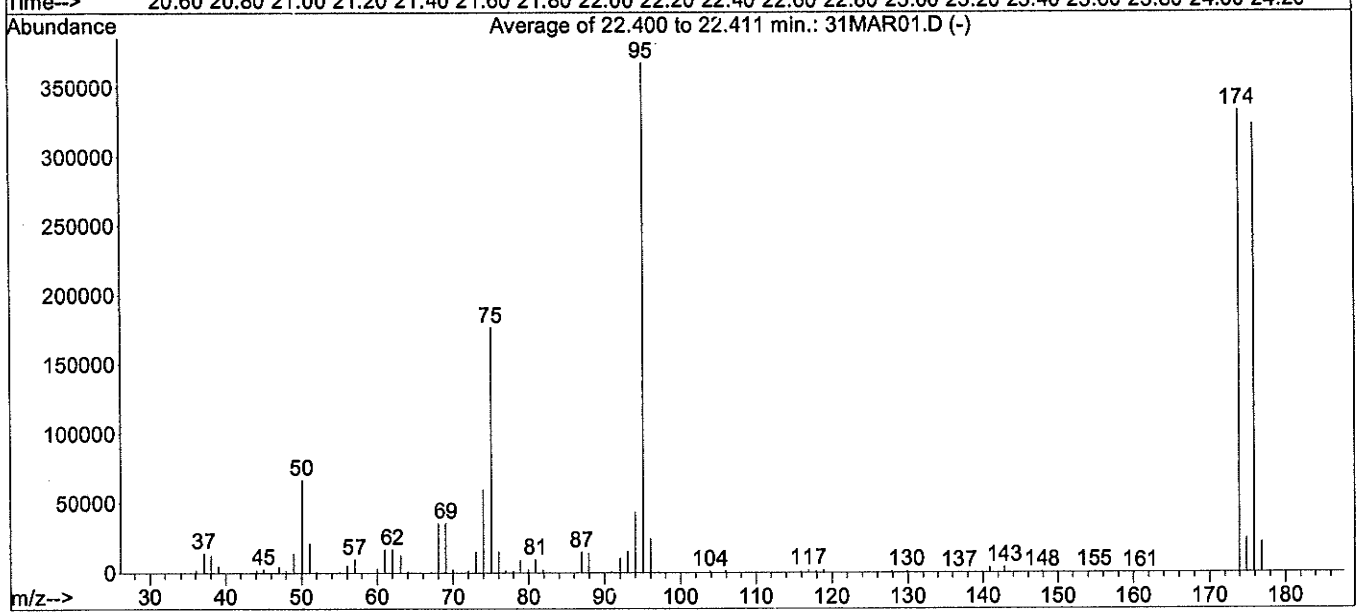
INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120330A
CCV DATE ANALYZED: 3/30/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.2354	1.1693		5	0-30	PASS
C	Isobutane	0.5352	0.4915		8	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.6478	0.6106		6	0-30	PASS
C	1,3,5-Trimethylbenzene	1.1209	1.0837		3	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.6596	0.6595		0	0-30	PASS
C	1,2,4-Trimethylbenzene	1.1455	1.0819		6	0-30	PASS
C	1,2,4-Trichlorobenzene	0.5358	0.4912		8	0-30	PASS
C	Vinyl Acetate	2.2773	2.1501		6	0-30	PASS
C	Vinyl Chloride	0.4448	0.4344		2	0-30	PASS
C	1,1-Difluoroethane	0.9199	0.8853		4	0-30	PASS
C	Isopropanol	0.6748	0.6068		10	0-30	PASS

Data File : W:\DATA\2012\120331\31MAR01.D Vial: 1
Acq On : 31 Mar 2012 9:35 am Operator:
Sample : TUNE CHECK Inst : GCMS K
Misc : AIR 01-23-19 702 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\120328A.M (RTE Integrator)
Title : ICAL 10/26/96





AutoFind: Scans 4063, 4064, 4065; Background Corrected with Scan 4047

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	66917	PASS
75	95	30	60	48.1	176725	PASS
95	95	100	100	100.0	367786	PASS
96	95	5	9	6.7	24725	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.5	332672	PASS
175	174	5	9	7.4	24458	PASS
176	174	95	101	96.9	322517	PASS
177	176	5	9	6.7	21597	PASS

31MAR01.D 120328A.M Mon Apr 02 10:09:56 2012

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120331A
CCV DATE ANALYZED: 3/31/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2172	0.1927		11	0-45	PASS
C	Benzene	0.6717	0.6014		11	0-30	PASS
C	Benzyl Chloride	0.8229	0.8827		7	0-30	PASS
C	Bromodichloromethane	0.4996	0.4801		4	0-45	PASS
C	Bromoform	0.4962	0.5533		12	0-30	PASS
C	Bromomethane	0.4155	0.4418		6	0-30	PASS
C	1,3-Butadiene	0.3200	0.3028		5	0-30	PASS
C	2-Butanone	1.8235	1.6222		11	0-30	PASS
C	Carbon Disulfide	1.1369	1.1546		2	0-30	PASS
C	Carbon Tetrachloride	0.4818	0.4863		1	0-30	PASS
C	Chlorobenzene	0.7126	0.6589		8	0-30	PASS
C	Chloroethane	0.2012	0.2091		4	0-30	PASS
C	Chloroform	1.7675	1.6523		7	0-30	PASS
C	Chloromethane	0.3086	0.2970		4	0-30	PASS
C	Cyclohexane	0.3874	0.3491		10	0-30	PASS
C	Dibromochloromethane	0.5215	0.5189		0	0-45	PASS
C	Dichlorodifluoromethane	1.2576	1.3534		8	0-30	PASS
C	Diisopropyl Ether (DIPE)	3.0207	2.5407		16	0-45	PASS
C	1,1-Dichloroethane	1.4491	1.3757		5	0-30	PASS
C	1,1-Dichloroethene	0.7446	0.7455		0	0-30	PASS
C	1,2-Dibromoethane	0.4664	0.4490		4	0-30	PASS
C	Dichlorotetrafluoroethane	1.1687	1.2411		6	0-30	PASS
C	1,2-Dichlorobenzene	0.7268	0.6639		9	0-30	PASS
C	1,2-Dichloroethane	1.2819	1.1821		8	0-30	PASS
C	1,2-Dichloropropane	0.2678	0.2461		8	0-30	PASS
C	1,3-Dichlorobenzene	0.7535	0.7459		1	0-30	PASS
C	1,4-Dichlorobenzene	0.7616	0.7133		6	0-30	PASS
C	1,4-Dioxane	0.1547	0.1452		6	0-30	PASS
C	c-1,3-Dichloropropene	0.3846	0.3755		2	0-30	PASS
C	c-1,2-Dichloroethene	0.8939	0.8142		9	0-30	PASS
C	t-1,2-Dichloroethene	0.7726	0.7500		3	0-45	PASS
C	t-1,3-Dichloropropene	0.3242	0.3266		1	0-30	PASS
C	Ethanol	0.1290	0.1141		12	0-30	PASS
C	Ethyl Acetate	0.0993	0.0891		10	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120331A
CCV DATE ANALYZED: 3/31/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.4664	2.1101		14	0-45	PASS
C	Ethylbenzene	1.1676	1.0963		6	0-30	PASS
C	4-Ethyltoluene	1.3050	1.2661		3	0-45	PASS
C	Heptane	0.0681	0.0633		7	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.5147	0.5589		9	0-30	PASS
C	Hexane	1.2437	1.1434		8	0-30	PASS
C	2-Hexanone	0.3548	0.3265		8	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8911	1.6411		13	0-30	PASS
C	Methylene Chloride	0.3768	0.3642		3	0-30	PASS
C	4-Methyl-2-Pentanone	0.2506	0.2295		8	0-30	PASS
C	Naphthalene	1.3380	1.0484		22	0-30	PASS
C	o-Xylene	0.9359	0.8859		5	0-30	PASS
C	p/m-Xylene	0.9213	0.9327		1	0-30	PASS
C	Propene	0.6906	0.6616		4	0-30	PASS
C	Styrene	0.7311	0.6804		7	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.4886	0.4178		15	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	0.8647	0.7877		9	0-45	PASS
C	Tetrachloroethene	0.4225	0.3996		5	0-30	PASS
C	Tetrahydrofuran	1.0481	0.9239		12	0-30	PASS
C	Toluene	0.9080	0.8245		9	0-30	PASS
C	Trichloroethene	0.2977	0.2806		6	0-30	PASS
C	Trichlorofluoromethane	1.3146	1.4236		8	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	0.8983	0.9589		7	0-30	PASS
C	1,1,1-Trichloroethane	1.8239	1.7448		4	0-30	PASS
C	1,1,2-Trichloroethane	0.2507	0.2375		5	0-30	PASS
C	n-Propylbenzene	1.6745	1.5633		7	0-30	PASS
C	Isopropylbenzene	1.3890	1.2895		7	0-30	PASS
C	2-Chlorotoluene	0.8999	0.8331		7	0-30	PASS
C	Acrolein	0.1676	0.1603		4	0-30	PASS
C	Acrylonitrile	0.3172	0.2923		8	0-30	PASS
C	Methyl Methacrylate	0.2112	0.2249		6	0-30	PASS
C	Propane	0.2660	0.2626		1	0-30	PASS
C	Butane	0.4718	0.4358		8	0-30	PASS
C	Methanol	0.0662	0.0565		15	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

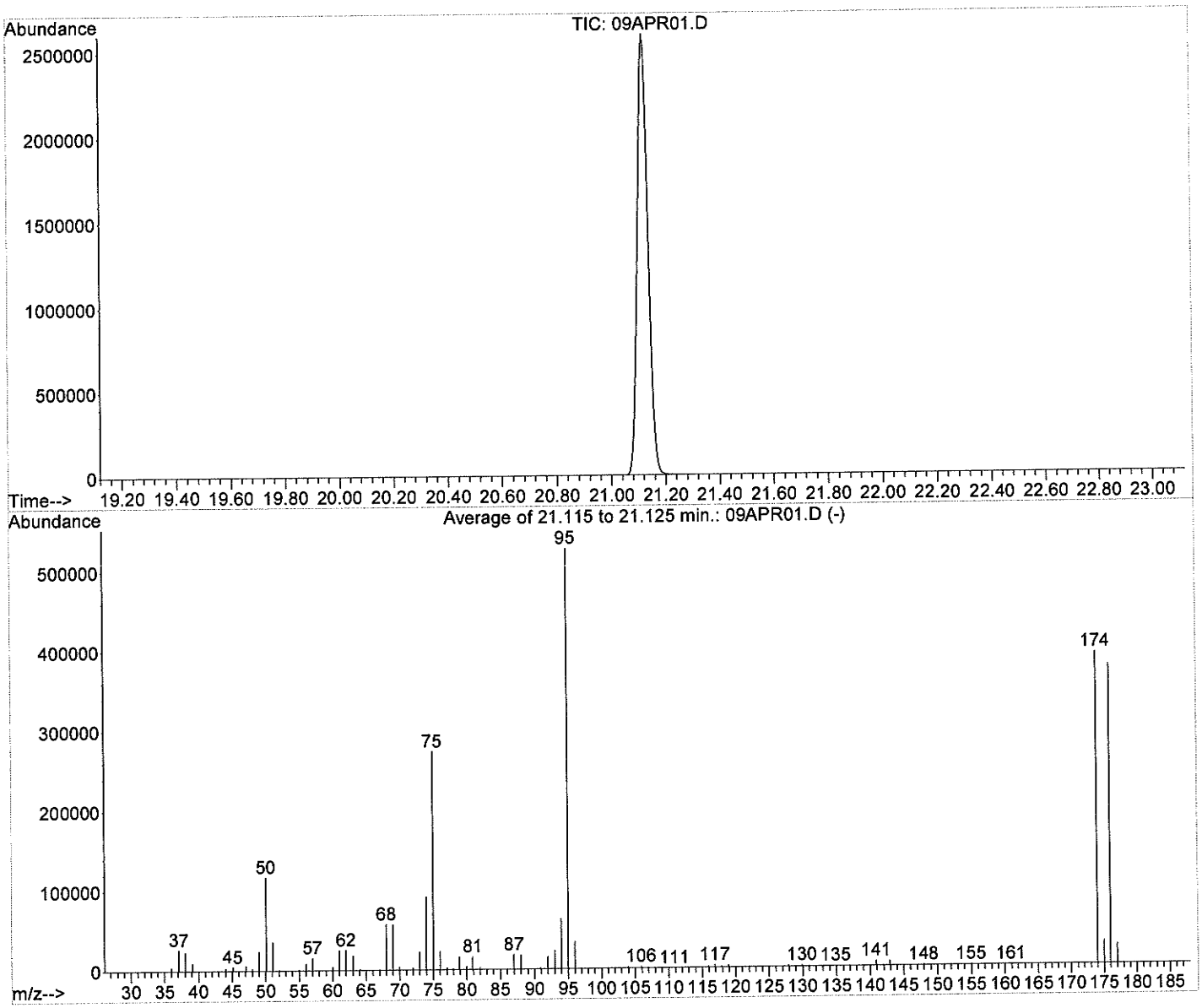
INSTRUMENT NAME: GC/MS K
INITIAL BATCH: 120328AIC
INITIAL DATE ANALYZED: 3/28/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120331A
CCV DATE ANALYZED: 3/31/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.2354	1.1439		7	0-30	PASS
C	Isobutane	0.5352	0.4874		9	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.6478	0.6066		6	0-30	PASS
C	1,3,5-Trimethylbenzene	1.1209	1.0691		5	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.6596	0.6522		1	0-30	PASS
C	1,2,4-Trimethylbenzene	1.1455	1.0652		7	0-30	PASS
C	1,2,4-Trichlorobenzene	0.5358	0.4785		11	0-30	PASS
C	Vinyl Acetate	2.2773	2.0450		10	0-30	PASS
C	Vinyl Chloride	0.4448	0.4403		1	0-30	PASS
C	1,1-Difluoroethane	0.9199	0.8652		6	0-30	PASS
C	Isopropanol	0.6748	0.5972		12	0-30	PASS

Data File : W:\DATA\2012\120409\09APR01.D
Acq On : 9 Apr 2012 9:09 am
Sample : Tune Check
Misc : IS: AIR 01-23-19 694
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\120329.M (RTE Integrator)
Title : ICAL 10/26/96

Vial: 5
Operator:
Inst : GCMS V
Multiplr: 1.00



AutoFind: Scans 3799, 3800, 3801; Background Corrected with Scan 3785

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	117637	PASS
75	95	30	60	51.9	273962	PASS
95	95	100	100	100.0	527530	PASS
96	95	5	9	6.5	34522	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	74.2	391253	PASS
175	174	5	9	7.5	29365	PASS
176	174	95	101	96.0	375573	PASS
177	176	5	9	6.6	24898	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 120329IC
INITIAL DATE ANALYZED: 3/29/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120409A
CCV DATE ANALYZED: 4/9/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.3766	0.4052		8	0-45	PASS
C	Benzene	0.6021	0.6346		5	0-30	PASS
C	Benzyl Chloride	1.1709	1.4693		26	0-30	PASS
C	Bromodichloromethane	0.5122	0.5965		17	0-45	PASS
C	Bromoform	0.5709	0.6491		14	0-30	PASS
C	Bromomethane	0.7911	0.8685		10	0-30	PASS
C	1,3-Butadiene	0.6080	0.6739		11	0-30	PASS
C	2-Butanone	1.7581	1.9510		11	0-30	PASS
C	Carbon Disulfide	2.2154	2.4449		10	0-30	PASS
C	Carbon Tetrachloride	0.5438	0.6498		20	0-30	PASS
C	Chlorobenzene	0.7260	0.7601		5	0-30	PASS
C	Chloroethane	0.3801	0.4106		8	0-30	PASS
C	Chloroform	1.7583	2.0522		17	0-30	PASS
C	Chloromethane	0.7522	0.7962		6	0-30	PASS
C	Cyclohexane	0.3341	0.3616		8	0-30	PASS
C	Dibromochloromethane	0.6549	0.7581		16	0-45	PASS
C	Dichlorodifluoromethane	2.3835	2.8252		19	0-30	PASS
C	Diisopropyl Ether (DIPE)	3.2279	3.7670		17	0-45	PASS
C	1,1-Dichloroethane	1.4747	1.5693		6	0-30	PASS
C	1,1-Dichloroethene	1.3148	1.5810		20	0-30	PASS
C	1,2-Dibromoethane	0.5462	0.6082		11	0-30	PASS
C	Dichlorotetrafluoroethane	2.2957	2.7592		20	0-30	PASS
C	1,2-Dichlorobenzene	0.9274	1.0301		11	0-30	PASS
C	1,2-Dichloroethane	1.2325	1.4673		19	0-30	PASS
C	1,2-Dichloropropane	0.2361	0.2528		7	0-30	PASS
C	1,3-Dichlorobenzene	0.9417	1.0003		6	0-30	PASS
C	1,4-Dichlorobenzene	0.9577	1.0113		6	0-30	PASS
C	1,4-Dioxane	0.1298	0.1374		6	0-30	PASS
C	c-1,3-Dichloropropene	0.3623	0.4233		17	0-30	PASS
C	c-1,2-Dichloroethene	0.7992	0.8264		3	0-30	PASS
C	t-1,2-Dichloroethene	0.8021	0.8159		2	0-45	PASS
C	t-1,3-Dichloropropene	0.3189	0.3881		22	0-30	PASS
C	Ethanol	0.2797	0.3357		20	0-30	PASS
C	Ethyl Acetate	0.0950	0.1031		8	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 120329IC
INITIAL DATE ANALYZED: 3/29/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120409A
CCV DATE ANALYZED: 4/9/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.6444	2.9514		12	0-45	PASS
C	Ethylbenzene	1.1365	1.2499		10	0-30	PASS
C	4-Ethyltoluene	1.4951	1.5866		6	0-45	PASS
C	Heptane	0.0604	0.0650		8	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.6125	0.7933		30	0-30	PASS
C	Hexane	1.1196	1.2759		14	0-30	PASS
C	2-Hexanone	0.3789	0.4173		10	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	2.0851	2.2411		7	0-30	PASS
C	Methylene Chloride	0.6729	0.7103		6	0-30	PASS
C	4-Methyl-2-Pentanone	0.2153	0.2363		10	0-30	PASS
C	Naphthalene	1.9202	2.3560		23	0-30	PASS
C	o-Xylene	0.9358	1.0453		12	0-30	PASS
C	p/m-Xylene	0.9447	1.1125		18	0-30	PASS
C	Propene	0.8611	0.9678		12	0-30	PASS
C	Styrene	0.7140	0.7411		4	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.6042	0.6472		7	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.5361	1.8732		22	0-45	PASS
C	Tetrachloroethene	0.4517	0.4937		9	0-30	PASS
C	Tetrahydrofuran	1.0453	1.1573		11	0-30	PASS
C	Toluene	0.9076	0.9716		7	0-30	PASS
C	Trichloroethene	0.2826	0.3191		13	0-30	PASS
C	Trichlorofluoromethane	2.5105	3.1901		27	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.6975	1.9384		14	0-30	PASS
C	1,1,1-Trichloroethane	1.7752	2.0653		16	0-30	PASS
C	1,1,2-Trichloroethane	0.2250	0.2495		11	0-30	PASS
C	n-Propylbenzene	1.8656	1.9262		3	0-30	PASS
C	Isopropylbenzene	1.5034	1.5647		4	0-30	PASS
C	2-Chlorotoluene	0.9623	1.0078		5	0-30	PASS
C	Acrolein	0.3044	0.3357		10	0-30	PASS
C	Acrylonitrile	0.5954	0.6793		14	0-30	PASS
C	Methyl Methacrylate	0.1824	0.2378		30	0-30	PASS
C	Propane	0.4925	0.5846		19	0-30	PASS
C	Butane	1.1713	1.3709		17	0-30	PASS
C	Methanol	0.2107	0.2493		18	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 120329IC
INITIAL DATE ANALYZED: 3/29/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120409A
CCV DATE ANALYZED: 4/9/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.1067	1.2229		11	0-30	PASS
C	Isobutane	1.2872	1.5520		21	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.7219	0.7658		6	0-30	PASS
C	1,3,5-Trimethylbenzene	1.3065	1.4309		10	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.8189	0.8806		8	0-30	PASS
C	1,2,4-Trimethylbenzene	1.3736	1.5122		10	0-30	PASS
C	1,2,4-Trichlorobenzene	0.7778	0.9600		23	0-30	PASS
C	Vinyl Acetate	2.3971	2.7156		13	0-30	PASS
C	Vinyl Chloride	0.8013	0.8770		9	0-30	PASS
C	1,1-Difluoroethane	1.0033	1.0677		6	0-30	PASS
C	Isopropanol	1.3854	1.6673		20	0-30	PASS

Untitled

Response Factor Report GCMS V

Method : C:\MSDCHEM\1\METHODS\111221.M (RTE Integrator)
Title : ICAL 10/26/96
Last Update : Thu Dec 22 09:28:20 2011
Response via : Initial Calibration

Calibration Files
1 =21DEC10.D 2 =21DEC09.D 3 =21DEC08.D 7 =21DEC04.D
4 =21DEC07.D 5 =21DEC06.D 6 =21DEC05.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)		Propene			0.819	0.751	0.699	0.674	0.606	0.710	11.30
3)		1,1,1,2-Tetrafl	0.750	0.718	0.733	0.676	0.637	0.629	0.583	0.675	9.15
4)		1,1-Difluoroeth		0.903	0.928	0.857	0.815	0.806	0.750	0.843	7.82
5)		Propane			0.528	0.482	0.443	0.432	0.380	0.453	12.28
6)		Dichlorodifluor	2.580	2.500	2.497	2.310	2.189	2.137	2.048	2.323	8.89
7)		Chloromethane	0.679	0.629	0.649	0.578	0.567	0.531	0.520	0.593	10.16
8)		Dichlorotetrafl	2.405	2.350	2.336	2.092	1.931	1.717	1.567	2.057	16.08
9)		Isobutane		1.276	1.281	1.120	1.027	0.890	0.777	1.062	19.24
10)		Methanol			0.188	0.167	0.151	0.162	0.145	0.162	10.23
11)		Vinyl Chloride	0.731	0.698	0.743	0.675	0.643	0.610	0.578	0.669	9.20
12)		1,3-Butadiene		0.535	0.558	0.494	0.484	0.450	0.438	0.493	9.46
13)		Butane		1.051	1.096	0.957	0.923	0.830	0.774	0.939	13.21
14)		Bromomethane	0.774	0.775	0.787	0.709	0.706	0.678	0.686	0.731	6.35
15)		Chloroethane	0.301	0.336	0.359	0.322	0.319	0.302	0.303	0.320	6.71
16)		Ethanol		0.251	0.229	0.207	0.199	0.207	0.201	0.216	9.49
17)		Acetone		0.313	0.312	0.285	0.282	0.270	0.277	0.290	6.25
18)		Acrolein		0.225	0.266	0.238	0.243	0.237	0.240	0.242	5.55
19)		Trichlorofluoro	2.524	2.515	2.467	2.143	2.163	1.962	2.025	2.257	10.62
20)		Isopropanol		1.384	1.349	1.137	1.114	1.130	1.159	1.212	9.97
21)		Acrylonitrile		0.447	0.511	0.445	0.463	0.442	0.463	0.462	5.61
22)		1,1-Dichloroeth	1.228	1.287	1.230	1.323	1.079	1.232	1.071	1.207	8.02
23)		Methylene Chlor		0.732	0.615	0.685	0.545	0.623	0.548	0.624	11.90
24)		Tert-Butyl Alco		1.600	1.580	1.632	1.272	1.554	1.382	1.503	9.52
25)		1,1,2-Trichloro		1.694	1.719	1.588	1.492	1.438	1.321	1.542	9.99
26)		Carbon Disulfid	2.281	2.281	2.261	2.096	1.937	1.804	1.604	2.038	13.06
27)		t-1,2-Dichloroe	0.833	0.852	0.887	0.820	0.795	0.784	0.736	0.815	6.03
28)		1,1-Dichloroeth	1.534	1.529	1.575	1.461	1.386	1.378	1.286	1.450	7.20
29)		Methyl-t-Butyl		2.267	2.256	2.175	2.094	2.089	2.003	2.147	4.83
30)		Vinyl Acetate		2.319	2.468	2.303	2.216	2.199	2.079	2.264	5.83
31)		2-Butanone		1.687	1.780	1.634	1.579	1.597	1.511	1.631	5.73
32)		c-1,2-Dichloroe	0.856	0.828	0.887	0.837	0.807	0.796	0.758	0.824	5.09
33)		Hexane		1.145	1.165	1.049	0.950	0.868	0.788	0.994	15.28
34)		Diisopropyl Eth		3.200	3.114	2.934	2.662	2.396		2.861	11.58
35)		Ethyl Acetate			0.094	0.093	0.088	0.083	0.080	0.088	7.30
36)		Chloroform	1.920	1.931	2.004	1.864	1.755	1.732	1.665	1.839	6.71
37)		Tetrahydrofuran		0.940	0.997	0.972	0.923	0.840	0.874	0.924	6.41
38)		Ethyl-t-Butyl E		2.703	2.726	2.662	2.539	2.514	2.360	2.584	5.40
39)	S	1,2-Dichloroeth	1.666	1.653	1.620	1.593	1.582	1.587	1.618	1.617	2.03
40)		1,2-Dichloroeth	1.352	1.358	1.383	1.288	1.236	1.250	1.256	1.303	4.61
41)		1,1,1-Trichloro	2.067	2.006	2.071	1.944	1.880	1.876	1.863	1.958	4.61

Untitled

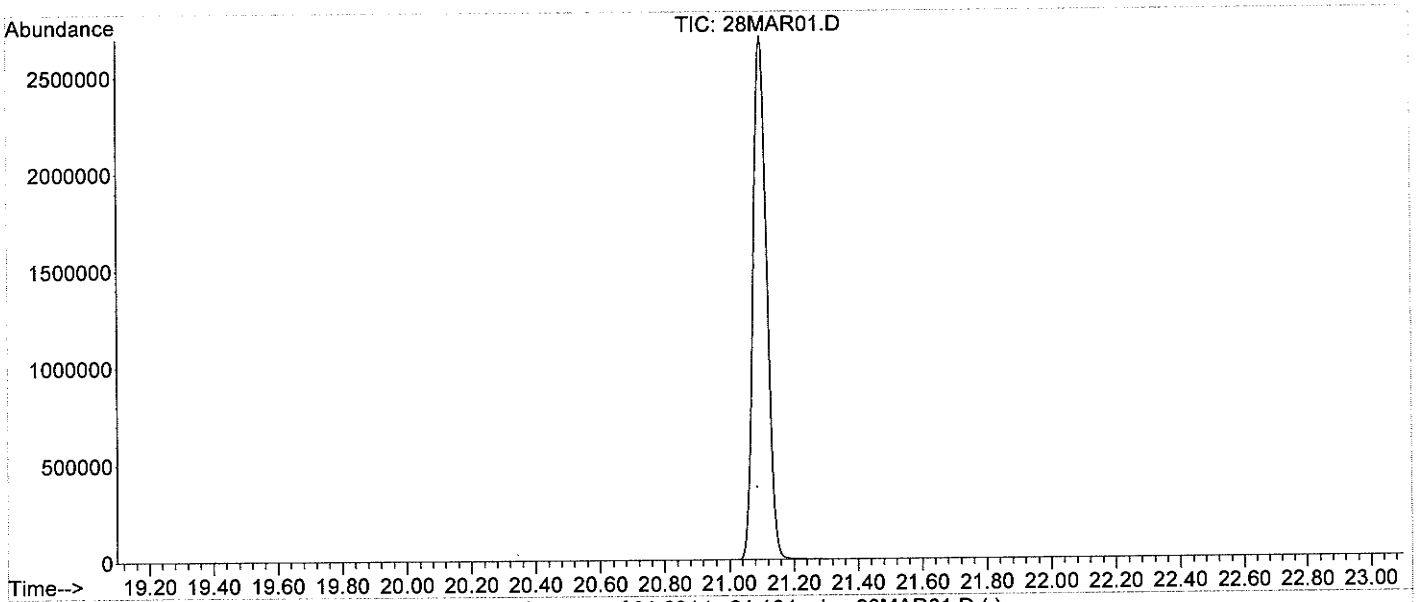
42)	I	1,4-Difluorobenzene	----------ISTD----------								
43)		Benzene	0.631	0.640	0.650	0.611	0.583	0.575	0.551	0.606	6.11
44)		Carbon Tetrachl	0.580	0.578	0.595	0.563	0.545	0.548	0.554	0.566	3.28
45)		Cyclohexane	0.349	0.351	0.360	0.336	0.316	0.304	0.284	0.329	8.58
46)		Tert-Amyl-Methy		0.654	0.680	0.666	0.642	0.640	0.621	0.650	3.19
47)		1,2-Dichloropro	0.245	0.252	0.255	0.240	0.225	0.221	0.206	0.235	7.59
48)		Bromodichlorome	0.582	0.574	0.607	0.573	0.547	0.540	0.535	0.565	4.59
49)		Trichloroethene	0.328	0.339	0.339	0.316	0.302	0.292	0.286	0.315	6.96
50)		2,2,4-Trimethyl	1.238	1.213	1.231	1.108	1.042	0.966	0.898	1.099	12.38
51)		1,4-Dioxane		0.114	0.146	0.135	0.122	0.127	0.114	0.126	9.99
52)		Heptane		0.060	0.063	0.061	0.058	0.055	0.054	0.058	6.09
53)		Methyl Methacry	0.224	0.243	0.246	0.235	0.224	0.220	0.212	0.229	5.50
54)		c-1,3-Dichlorop	0.380	0.381	0.407	0.382	0.371	0.371	0.365	0.380	3.59
55)		4-Methyl-2-Pent		0.226	0.235	0.217	0.204	0.198	0.191	0.212	8.15
56)		t-1,3-Dichlorop	0.307	0.329	0.360	0.342	0.335	0.344	0.349	0.338	4.99
57)		1,1,2-Trichloro	0.237	0.237	0.256	0.237	0.226	0.224	0.217	0.233	5.50
58)	S	Toluene-d8	0.902	0.885	0.891	0.892	0.891	0.898	0.899	0.894	0.66
59)		Chlorobenzene-d5	----------ISTD----------								
60)		Toluene	0.975	1.016	1.011	0.940	0.890	0.874	0.867	0.939	6.78
61)		2-Hexanone		0.405	0.432	0.408	0.389	0.371	0.359	0.394	6.75
62)		Dibromochlorome	0.723	0.745	0.776	0.715	0.688	0.682	0.696	0.718	4.68
63)		1,2-Dibromoetha	0.626	0.630	0.643	0.597	0.570	0.570	0.573	0.601	5.25
64)		Tetrachloroethe	0.623	0.635	0.645	0.606	0.585	0.578	0.585	0.608	4.40
65)		Chlorobenzene	0.796	0.771	0.791	0.727	0.690	0.699	0.703	0.740	6.17
66)		Ethylbenzene	1.241	1.214	1.289	1.166	1.124	1.157	1.180	1.196	4.69
67)		p/m-Xylene	1.058	1.006	1.086	0.971	0.923	0.898	0.832	0.968	9.31
68)		Bromoform	0.850	0.800	0.873	0.776	0.777	0.814	0.823	0.816	4.42
69)		Styrene		0.687	0.766	0.671	0.668	0.723	0.739	0.709	5.64
70)		1,1,2,2-Tetrach	0.994	0.976	1.003	0.915	0.863	0.815	0.759	0.904	10.48
71)		o-Xylene	1.003	0.950	1.050	0.939	0.921	0.947	0.929	0.963	4.86
72)		1,2,3-Trichloro	0.702	0.681	0.709	0.633	0.611	0.625	0.616	0.654	6.42
73)	S	1,4-Bromofluoro	0.725	0.675	0.725	0.680	0.656	0.677	0.654	0.684	4.29
74)		Isopropylbenzen	1.653	1.494	1.611	1.429	1.408	1.468	1.479	1.506	6.08
75)		2-Chlorotoluene	1.092	1.004	1.115	0.996	0.979	1.049	1.054	1.041	4.89
76)		n-Propylbenzene	2.096	1.962	2.129	1.916	1.830	1.864	1.830	1.947	6.32
77)		4-Ethyltoluene	1.605	1.509	1.692	1.574	1.500	1.521	1.534	1.562	4.38
78)		1,3,5-Trimethyl	1.365	1.346	1.473	1.386	1.315	1.305	1.323	1.359	4.27
79)		1,2,4-Trimethyl		1.391	1.492	1.421	1.377	1.357	1.386	1.404	3.40
80)		Benzyl Chloride		0.996	1.212	1.224	1.224	1.207	1.126	1.165	7.79
81)		1,3-Dichloroben	1.141	1.106	1.195	1.120	1.070	1.046	1.066	1.106	4.66
82)		1,4-Dichloroben	1.155	1.107	1.213	1.148	1.112	1.112	1.143	1.141	3.26
83)		1,2-Dichloroben	1.081	1.130	1.148	1.089	1.073	1.065	1.091	1.097	2.78
84)		1,2,4-Trichloro		1.182	1.174	1.148	1.146	1.127		1.155	1.92
85)		Naphthalene		2.159	2.108	1.982	1.962	1.941		2.030	4.78
86)		Hexachloro-1,3-		1.118	1.123	1.122	1.107	0.998		1.094	4.92

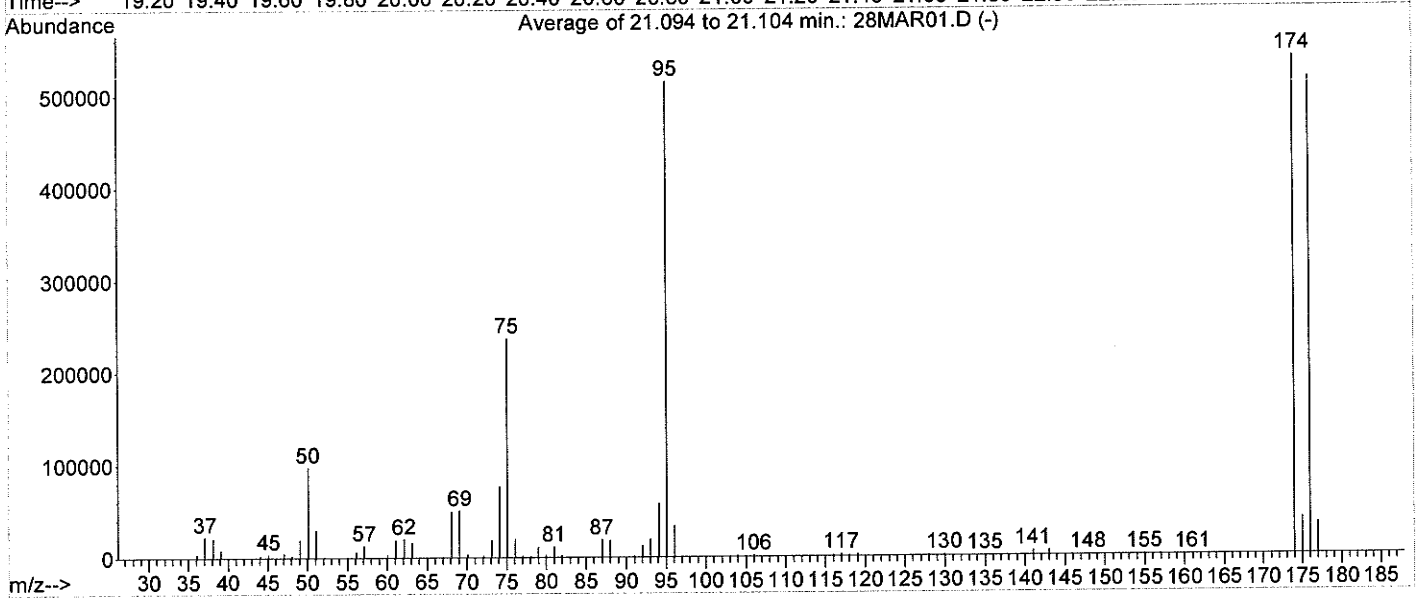
(#) = Out of Range

111221.M Thu Jan 26 15:28:23 2012

Data File : W:\DATA\2012\120328\28MAR01.D
Acq On : 28 Mar 2012 9:34 am
Sample : Tune Check
Misc : IS: AIR 01-23-19 694
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\111221.M (RTE Integrator)
Title : ICAL 10/26/96

Vial: 5
Operator:
Inst : GCMS V
Multiplr: 1.00





AutoFind: Scans 3795, 3796, 3797; Background Corrected with Scan 3780

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	97904	PASS
75	95	30	60	46.1	237376	PASS
95	95	100	100	100.0	515434	PASS
96	95	5	9	6.6	34184	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	104.6	539221	PASS
175	174	5	9	7.3	39421	PASS
176	174	95	101	95.8	516330	PASS
177	176	5	9	6.7	34402	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 111221IC
INITIAL DATE ANALYZED: 12/21/11

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2900	0.3369		16	0-45	PASS
C	Benzene	0.6060	0.6834		13	0-30	PASS
C	Benzyl Chloride	1.1650	1.3291		14	0-30	PASS
C	Bromodichloromethane	0.5653	0.6054		7	0-45	PASS
C	Bromoform	0.8162	0.7779		5	0-30	PASS
C	Bromomethane	0.7309	0.8244		13	0-30	PASS
C	1,3-Butadiene	0.4932	0.5603		14	0-30	PASS
C	2-Butanone	1.6315	1.8432		13	0-30	PASS
C	Carbon Disulfide	2.0377	2.2326		10	0-30	PASS
C	Carbon Tetrachloride	0.5662	0.5871		4	0-30	PASS
C	Chlorobenzene	0.7396	0.8006		8	0-30	PASS
C	Chloroethane	0.3202	0.3746		17	0-30	PASS
C	Chloroform	1.8387	1.9453		6	0-30	PASS
C	Chloromethane	0.5935	0.6693		13	0-30	PASS
C	Cyclohexane	0.3286	0.3562		8	0-30	PASS
C	Dibromochloromethane	0.7179	0.7340		2	0-45	PASS
C	Dichlorodifluoromethane	2.3232	2.4807		7	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.8613	2.9923		5	0-45	PASS
C	1,1-Dichloroethane	1.4498	1.6029		11	0-30	PASS
C	1,1-Dichloroethene	1.2072	1.1307		6	0-30	PASS
C	1,2-Dibromoethane	0.6012	0.6464		8	0-30	PASS
C	Dichlorotetrafluoroethane	2.0570	2.1778		6	0-30	PASS
C	1,2-Dichlorobenzene	1.0969	1.1378		4	0-30	PASS
C	1,2-Dichloroethane	1.3033	1.3767		6	0-30	PASS
C	1,2-Dichloropropane	0.2348	0.2621		12	0-30	PASS
C	1,3-Dichlorobenzene	1.1062	1.0849		2	0-30	PASS
C	1,4-Dichlorobenzene	1.1415	1.1497		1	0-30	PASS
C	1,4-Dioxane	0.1290	0.1491		16	0-30	PASS
C	c-1,3-Dichloropropene	0.3797	0.4300		13	0-30	PASS
C	c-1,2-Dichloroethene	0.8241	0.9312		13	0-30	PASS
C	t-1,2-Dichloroethene	0.8153	0.9335		15	0-45	PASS
C	t-1,3-Dichloropropene	0.3380	0.3935		16	0-30	PASS
C	Ethanol	0.2157	0.2665		24	0-30	PASS
C	Ethyl Acetate	0.0875	0.1003		15	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 111221IC
INITIAL DATE ANALYZED: 12/21/11

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.5841	2.9255		13	0-45	PASS
C	Ethylbenzene	1.1957	1.2829		7	0-30	PASS
C	4-Ethyltoluene	1.5622	1.5788		1	0-45	PASS
C	Heptane	0.0584	0.0644		10	0-30	PASS
C	Hexachloro-1,3-Butadiene	1.0938	1.0203		7	0-30	PASS
C	Hexane	0.9941	1.0691		8	0-30	PASS
C	2-Hexanone	0.3940	0.4073		3	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	2.1472	2.4456		14	0-30	PASS
C	Methylene Chloride	0.6244	0.6269		0	0-30	PASS
C	4-Methyl-2-Pentanone	0.2119	0.2308		9	0-30	PASS
C	Naphthalene	2.0305	2.1624		7	0-30	PASS
C	o-Xylene	0.9627	1.0113		5	0-30	PASS
C	p/m-Xylene	0.9679	1.0026		4	0-30	PASS
C	Propene	0.7101	0.8478		19	0-30	PASS
C	Styrene	0.7090	0.7678		8	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.6504	0.7385		14	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.5034	1.4798		2	0-45	PASS
C	Tetrachloroethene	0.6083	0.6406		5	0-30	PASS
C	Tetrahydrofuran	0.9243	1.0843		17	0-30	PASS
C	Toluene	0.9389	1.0054		7	0-30	PASS
C	Trichloroethene	0.3146	0.3376		7	0-30	PASS
C	Trichlorofluoromethane	2.2570	2.3327		3	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5421	1.7139		11	0-30	PASS
C	1,1,1-Trichloroethane	1.9582	2.0883		7	0-30	PASS
C	1,1,2-Trichloroethane	0.2333	0.2648		14	0-30	PASS
C	n-Propylbenzene	1.9468	1.9410		0	0-30	PASS
C	Isopropylbenzene	1.5060	1.5311		2	0-30	PASS
C	2-Chlorotoluene	1.0413	1.0751		3	0-30	PASS
C	Acrolein	0.2416	0.2833		17	0-30	PASS
C	Acrylonitrile	0.4619	0.5391		17	0-30	PASS
C	Methyl Methacrylate	0.1984	0.2558		29	0-30	PASS
C	Propane	0.4530	0.5580		23	0-30	PASS
C	Butane	0.9387	1.0736		14	0-30	PASS
C	**Methanol**	**0.1624**	**0.2324**		**43**	**0-30**	**FAIL**

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS V
INITIAL BATCH: 111221IC
INITIAL DATE ANALYZED: 12/21/11

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.0764	1.1430		6	0-30	PASS
C	Isobutane	1.0619	1.2018		13	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.6750	0.7689		14	0-30	PASS
C	1,3,5-Trimethylbenzene	1.3592	1.3807		2	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.9037	0.8855		2	0-30	PASS
C	1,2,4-Trimethylbenzene	1.4039	1.4475		3	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1555	1.2080		5	0-30	PASS
C	Vinyl Acetate	2.2639	2.5416		12	0-30	PASS
C	Vinyl Chloride	0.6685	0.7540		13	0-30	PASS
C	1,1-Difluoroethane	0.8433	0.9673		15	0-30	PASS
C	Isopropanol	1.2123	1.3424		11	0-30	PASS

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-1881

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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 04/11/2012 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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_032612						
Acetone	**5.2**		3.5	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.91**		0.88	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**89**		0.88	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**150**		0.88	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**22**		0.88	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**3.9**		1.8	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**9.0**		2.6	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-5S_032612						
Acetone	**5.3**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.50**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloroform	**17**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.65**		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	**270**		3.4	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**61**		0.50	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.70**		0.50	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**0.95**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.93**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**4.5**		0.50	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**9.8**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**420**		3.4	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.70**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**150**		3.4	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**19**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**24**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.58**		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
1,3,5-Trimethylbenzene	**2.1**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**4.9**		1.5	ppb (v/v)	EPA TO-15	N/A

*MDL is shown.

Calscience Environmental Laboratories, Inc.

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		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: OC_SVE_VE-6S_032612						
Acetone	**8.4**		2.0	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**1.6**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloroform	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.54**		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-Dichloroethane	**1.8**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**130**		4.2	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.96**		0.50	ppb (v/v)	EPA TO-15	N/A
o-Xylene	**0.77**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**360**		4.2	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**140**		4.2	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	**27**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**1.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**4.4**		1.5	ppb (v/v)	EPA TO-15	N/A
Client Sample ID: OC_SVE_VE-8S_032612						
1,1-Dichloroethene	**79**		10	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**56**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**36000**		320	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**120**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**96**		30	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**70**		10	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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-9S_032612						
Acetone	**19**		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	**2.0**		1.5	ppb (v/v)	EPA TO-15	N/A
Chloroform	**17**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**2.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**310**		16	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**2.4**		0.50	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1200**		16	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**78**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**88**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**300**		49	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-10S_032612						
Acetone	**3.5**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**0.84**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloroform	**11**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**1.3**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**270**		16	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**0.66**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**2.8**		0.50	ppb (v/v)	EPA TO-15	N/A
4-Ethyltoluene	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
p/m-Xylene	**3.4**		2.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**810**		16	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**66**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**15**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**39**		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

*MDL is shown.

Calscience Environmental Laboratories, Inc.

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		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-11S_032612						
Chloroform	**78**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**8.9**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**700**		5.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**30**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**4700**		90	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**350**		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	**550**		15	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**6.3**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-12S_032612						
Acetone	**7.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**7.3**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**0.74**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**96**		0.50	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**0.76**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**430**		13	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.51**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**28**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**46**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**210**		40	ppb (v/v)	EPA TO-15	N/A
OC_SVE_VE-14S_032612						
Acetone	**6.5**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.62**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**16**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**2.1**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2.8**		1.5	ppb (v/v)	EPA TO-15	N/A
1,1,1-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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-15S_032612						
Acetone	**7.6**		6.4	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**25**		1.6	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**48**		1.6	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**35**		1.6	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**4.0**		3.2	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**6.4**		4.8	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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-1S_032612						
Acetone	**12**		8.3	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**4.5**		4.3	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**350**		3.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1000**		5.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**120**		4.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**22**		9.8	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**69**		20	ug/m3	EPA TO-15	N/A
OC_SVE_VE-5S_032612						
Acetone	**13**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**1.6**		1.6	ug/m3	EPA TO-15	N/A
Chloroform	**82**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.2**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**6.2**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1100**		13	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**250**		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.8**		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	**4.6**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**20**		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	**43**		8.7	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2800**		23	ug/m3	EPA TO-15	N/A
Toluene	**2.6**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**810**		18	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**100**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**180**		11	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**3.2**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**5.9**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**10**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**24**		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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: OC_SVE_VE-6S_032612						
Acetone	**20**		4.8	ug/m3	EPA TO-15	N/A
2-Butanone	**4.7**		4.4	ug/m3	EPA TO-15	N/A
Chloroform	**5.7**		2.4	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.6**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**7.2**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**530**		17	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**4.7**		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	**3.4**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2400**		28	ug/m3	EPA TO-15	N/A
Trichloroethene	**750**		23	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**91**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**210**		11	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**2.9**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**5.6**		2.7	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	**6.6**		2.5	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	**22**		7.4	ug/m3	EPA TO-15	N/A
Client Sample ID: OC_SVE_VE-8S_032612						
1,1-Dichloroethene	**310**		40	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**230**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**240000**		2200	ug/m3	EPA TO-15	N/A
Trichloroethene	**650**		54	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**740**		230	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**380**		55	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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-9S_032612						
Acetone	**46**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**1.7**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**5.8**		4.4	ug/m3	EPA TO-15	N/A
Chloroform	**83**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**7.2**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**9.6**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1200**		65	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**9.5**		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.7**		2.0	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**5.9**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**8400**		110	ug/m3	EPA TO-15	N/A
Trichloroethene	**420**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**490**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2300**		380	ug/m3	EPA TO-15	N/A
OC_SVE_VE-10S_032612						
Acetone	**8.2**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**2.7**		1.6	ug/m3	EPA TO-15	N/A
Chloroform	**52**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**7.2**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**5.2**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1100**		62	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**2.6**		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	**12**		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	**3.1**		2.5	ug/m3	EPA TO-15	N/A
p/m-Xylene	**15**		8.7	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**5500**		110	ug/m3	EPA TO-15	N/A
Trichloroethene	**350**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**83**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**300**		11	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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_VE-11S_032612						
Chloroform	**380**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**36**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2800**		20	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**120**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**32000**		610	ug/m3	EPA TO-15	N/A
Trichloroethene	**1900**		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	**4200**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**34**		27	ug/m3	EPA TO-15	N/A
OC_SVE_VE-12S_032612						
Acetone	**18**		4.8	ug/m3	EPA TO-15	N/A
Chloroform	**36**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**5.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**3.0**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**380**		2.0	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**3.1**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**2900**		91	ug/m3	EPA TO-15	N/A
Toluene	**1.9**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**150**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**260**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1600**		310	ug/m3	EPA TO-15	N/A
OC_SVE_VE-14S_032612						
Acetone	**15**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**110**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**15**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**12**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**22**		11	ug/m3	EPA TO-15	N/A
1,1,1-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:	12-03-1881
		Project Name:	Omega - SVE
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: OC_SVE_VE-15S_032612						
Acetone	**18**		15	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**97**		6.3	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**320**		11	ug/m3	EPA TO-15	N/A
Trichloroethene	**190**		8.5	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**22**		18	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**49**		37	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-1-A**	**03/26/12 17:18**	**Air**	**GC/MS HH**	**N/A**	**03/30/12 03:14**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.2	3.5	1.75		t-1,2-Dichloroethene	ND	0.88	1.75	
Benzene	ND	0.88	1.75		t-1,3-Dichloropropene	ND	1.8	1.75	
Benzyl Chloride	ND	2.6	1.75		Ethylbenzene	ND	0.88	1.75	
Bromodichloromethane	ND	0.88	1.75		4-Ethyltoluene	ND	0.88	1.75	
Bromoform	ND	0.88	1.75		Hexachloro-1,3-Butadiene	ND	2.6	1.75	
Bromomethane	ND	0.88	1.75		Hexane	ND	3.5	1.75	
2-Butanone	ND	2.6	1.75		2-Hexanone	ND	2.6	1.75	
Carbon Disulfide	ND	3.5	1.75		Methyl-t-Butyl Ether (MTBE)	ND	3.5	1.75	
Carbon Tetrachloride	ND	0.88	1.75		Methylene Chloride	ND	8.8	1.75	
Chlorobenzene	ND	0.88	1.75		4-Methyl-2-Pentanone	ND	2.6	1.75	
Chloroethane	ND	0.88	1.75		o-Xylene	ND	0.88	1.75	
Chloroform	ND	0.88	1.75		p/m-Xylene	ND	3.5	1.75	
Chloromethane	ND	0.88	1.75		Styrene	ND	2.6	1.75	
Dibromochloromethane	ND	0.88	1.75		Tetrachloroethene	150	0.88	1.75	
Dichlorodifluoromethane	0.91	0.88	1.75		Toluene	ND	0.88	1.75	
1,1-Dichloroethane	ND	0.88	1.75		Trichloroethene	22	0.88	1.75	
1,1-Dichloroethene	89	0.88	1.75		Trichlorofluoromethane	3.9	1.8	1.75	
1,2-Dibromoethane	ND	0.88	1.75		1,1,2-Trichloro-1,2,2-Trifluoroethane	9.0	2.6	1.75	
Dichlorotetrafluoroethane	ND	3.5	1.75		1,1,1-Trichloroethane	ND	0.88	1.75	
1,2-Dichlorobenzene	ND	0.88	1.75		1,1,2-Trichloroethane	ND	0.88	1.75	
1,2-Dichloroethane	ND	0.88	1.75		1,3,5-Trimethylbenzene	ND	0.88	1.75	
1,2-Dichloropropane	ND	0.88	1.75		1,1,2,2-Tetrachloroethane	ND	1.8	1.75	
1,3-Dichlorobenzene	ND	0.88	1.75		1,2,4-Trimethylbenzene	ND	2.6	1.75	
1,4-Dichlorobenzene	ND	0.88	1.75		1,2,4-Trichlorobenzene	ND	3.5	1.75	
1,4-Dioxane	ND	18	1.75		Vinyl Acetate	ND	3.5	1.75	
c-1,3-Dichloropropene	ND	0.88	1.75		Vinyl Chloride	ND	0.88	1.75	
c-1,2-Dichloroethene	ND	0.88	1.75		Isopropanol	ND	8.8	1.75	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-2-A**	**03/26/12 16:48**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 23:45**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.3	2.0	1		t-1,2-Dichloroethene	0.95	0.50	1	
Benzene	0.50	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	0.93	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	4.5	0.50	1	
Chloroform	17	0.50	1		p/m-Xylene	9.8	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	420	3.4	6.72	
Dichlorodifluoromethane	0.65	0.50	1		Toluene	0.70	0.50	1	
1,1-Dichloroethane	1.5	0.50	1		Trichloroethene	150	3.4	6.72	
1,1-Dichloroethene	270	3.4	6.72		Trichlorofluoromethane	19	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	24	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	0.58	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	1.1	0.50	1	
1,2-Dichloroethane	61	0.50	1		1,3,5-Trimethylbenzene	2.1	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	4.9	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	0.70	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-3-A**	**03/26/12 16:43**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 00:41**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.4	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	0.96	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	0.77	0.50	1	
Chloroform	1.2	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	360	4.2	8.4	
Dichlorodifluoromethane	0.53	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	1.8	0.50	1		Trichloroethene	140	4.2	8.4	
1,1-Dichloroethene	130	4.2	8.4		Trichlorofluoromethane	16	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	27	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	0.53	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	1.0	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	1.4	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	4.4	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-4-A**	**03/26/12 16:53**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 01:29**	**120328L01**

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	36000	320	640	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	ND	10	20		Trichloroethene	120	10	20	
1,1-Dichloroethene	79	10	20		Trichlorofluoromethane	ND	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	96	30	20	
Dichlorotetrafluoroethane	ND	40	20		1,1,1-Trichloroethane	70	10	20	
1,2-Dichlorobenzene	ND	10	20		1,1,2-Trichloroethane	ND	10	20	
1,2-Dichloroethane	56	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-5-A**	**03/26/12 17:03**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 02:27**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	2.0	1		t-1,2-Dichloroethene	1.5	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	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	ND	0.50	1	
Chloroform	17	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	1200	16	32.9	
Dichlorodifluoromethane	1.4	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	2.4	0.50	1		Trichloroethene	78	0.50	1	
1,1-Dichloroethene	310	16	32.9		Trichlorofluoromethane	88	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	300	49	32.9	
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	2.4	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	0.67	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-6-A**	**03/26/12 17:08**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 03:23**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	3.5	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	0.84	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	2.8	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	0.62	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	11	0.50	1		p/m-Xylene	3.4	2.0	1	
Chloromethane	ND	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	810	16	31.3	
Dichlorodifluoromethane	1.5	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	1.3	0.50	1		Trichloroethene	66	0.50	1	
1,1-Dichloroethene	270	16	31.3		Trichlorofluoromethane	15	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	39	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	0.66	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-7-A**	**03/26/12 16:58**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 04:11**	**120328L01**

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	78	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	4700	90	179	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	8.9	5.0	10		Trichloroethene	350	5.0	10	
1,1-Dichloroethene	700	5.0	10		Trichlorofluoromethane	110	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	550	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	6.3	5.0	10	
1,2-Dichloroethane	30	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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-8-A**	**03/26/12 17:13**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 05:09**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.7	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	7.3	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	430	13	26.9	
Dichlorodifluoromethane	1.2	0.50	1		Toluene	0.51	0.50	1	
1,1-Dichloroethane	0.74	0.50	1		Trichloroethene	28	0.50	1	
1,1-Dichloroethene	96	0.50	1		Trichlorofluoromethane	46	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	210	40	26.9	
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	0.76	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-9-A**	**03/26/12 16:38**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 06:05**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.5	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	16	0.50	1	
Dichlorodifluoromethane	0.62	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	2.8	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	2.1	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	2.8	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	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	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-10-A**	**03/26/12 17:23**	**Air**	**GC/MS HH**	**N/A**	**03/30/12 02:18**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.6	6.4	3.18		t-1,2-Dichloroethene	ND	1.6	3.18	
Benzene	ND	1.6	3.18		t-1,3-Dichloropropene	ND	3.2	3.18	
Benzyl Chloride	ND	4.8	3.18		Ethylbenzene	ND	1.6	3.18	
Bromodichloromethane	ND	1.6	3.18		4-Ethyltoluene	ND	1.6	3.18	
Bromoform	ND	1.6	3.18		Hexachloro-1,3-Butadiene	ND	4.8	3.18	
Bromomethane	ND	1.6	3.18		Hexane	ND	6.4	3.18	
2-Butanone	ND	4.8	3.18		2-Hexanone	ND	4.8	3.18	
Carbon Disulfide	ND	6.4	3.18		Methyl-t-Butyl Ether (MTBE)	ND	6.4	3.18	
Carbon Tetrachloride	ND	1.6	3.18		Methylene Chloride	ND	16	3.18	
Chlorobenzene	ND	1.6	3.18		4-Methyl-2-Pentanone	ND	4.8	3.18	
Chloroethane	ND	1.6	3.18		o-Xylene	ND	1.6	3.18	
Chloroform	ND	1.6	3.18		p/m-Xylene	ND	6.4	3.18	
Chloromethane	ND	1.6	3.18		Styrene	ND	4.8	3.18	
Dibromochloromethane	ND	1.6	3.18		Tetrachloroethene	48	1.6	3.18	
Dichlorodifluoromethane	ND	1.6	3.18		Toluene	ND	1.6	3.18	
1,1-Dichloroethane	ND	1.6	3.18		Trichloroethene	35	1.6	3.18	
1,1-Dichloroethene	25	1.6	3.18		Trichlorofluoromethane	4.0	3.2	3.18	
1,2-Dibromoethane	ND	1.6	3.18		1,1,2-Trichloro-1,2,2-Trifluoroethane	6.4	4.8	3.18	
Dichlorotetrafluoroethane	ND	6.4	3.18		1,1,1-Trichloroethane	ND	1.6	3.18	
1,2-Dichlorobenzene	ND	1.6	3.18		1,1,2-Trichloroethane	ND	1.6	3.18	
1,2-Dichloroethane	ND	1.6	3.18		1,3,5-Trimethylbenzene	ND	1.6	3.18	
1,2-Dichloropropane	ND	1.6	3.18		1,1,2,2-Tetrachloroethane	ND	3.2	3.18	
1,3-Dichlorobenzene	ND	1.6	3.18		1,2,4-Trimethylbenzene	ND	4.8	3.18	
1,4-Dichlorobenzene	ND	1.6	3.18		1,2,4-Trichlorobenzene	ND	6.4	3.18	
1,4-Dioxane	ND	32	3.18		Vinyl Acetate	ND	6.4	3.18	
c-1,3-Dichloropropene	ND	1.6	3.18		Vinyl Chloride	ND	1.6	3.18	
c-1,2-Dichloroethene	ND	1.6	3.18		Isopropanol	ND	16	3.18	

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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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	**095-01-021-9,921**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 13:16**	**120328L01**

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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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	**095-01-021-9,922**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 14:18**	**120329L01**

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	95	57-129		1,2-Dichloroethane-d4	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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	**095-01-021-9,923**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/30/12 16:04**	**120330L01**

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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-1-A**	**03/26/12 17:18**	**Air**	**GC/MS HH**	**N/A**	**03/30/12 03:14**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	8.3	1.75		t-1,2-Dichloroethene	ND	3.5	1.75	
Benzene	ND	2.8	1.75		t-1,3-Dichloropropene	ND	7.9	1.75	
Benzyl Chloride	ND	14	1.75		Ethylbenzene	ND	3.8	1.75	
Bromodichloromethane	ND	5.9	1.75		4-Ethyltoluene	ND	4.3	1.75	
Bromoform	ND	9.0	1.75		Hexachloro-1,3-Butadiene	ND	28	1.75	
Bromomethane	ND	3.4	1.75		Hexane	ND	12	1.75	
2-Butanone	ND	7.7	1.75		2-Hexanone	ND	11	1.75	
Carbon Disulfide	ND	11	1.75		Methyl-t-Butyl Ether (MTBE)	ND	13	1.75	
Carbon Tetrachloride	ND	5.5	1.75		Methylene Chloride	ND	30	1.75	
Chlorobenzene	ND	4.0	1.75		4-Methyl-2-Pentanone	ND	11	1.75	
Chloroethane	ND	2.3	1.75		o-Xylene	ND	3.8	1.75	
Chloroform	ND	4.3	1.75		p/m-Xylene	ND	15	1.75	
Chloromethane	ND	1.8	1.75		Styrene	ND	11	1.75	
Dibromochloromethane	ND	7.5	1.75		Tetrachloroethene	1000	5.9	1.75	
Dichlorodifluoromethane	4.5	4.3	1.75		Toluene	ND	3.3	1.75	
1,1-Dichloroethane	ND	3.5	1.75		Trichloroethene	120	4.7	1.75	
1,1-Dichloroethene	350	3.5	1.75		Trichlorofluoromethane	22	9.8	1.75	
1,2-Dibromoethane	ND	6.7	1.75		1,1,2-Trichloro-1,2,2-Trifluoroethane	69	20	1.75	
Dichlorotetrafluoroethane	ND	24	1.75		1,1,1-Trichloroethane	ND	4.8	1.75	
1,2-Dichlorobenzene	ND	5.3	1.75		1,1,2-Trichloroethane	ND	4.8	1.75	
1,2-Dichloroethane	ND	3.5	1.75		1,3,5-Trimethylbenzene	ND	4.3	1.75	
1,2-Dichloropropane	ND	4.0	1.75		1,1,2,2-Tetrachloroethane	ND	12	1.75	
1,3-Dichlorobenzene	ND	5.3	1.75		1,2,4-Trimethylbenzene	ND	13	1.75	
1,4-Dichlorobenzene	ND	5.3	1.75		1,2,4-Trichlorobenzene	ND	26	1.75	
1,4-Dioxane	ND	63	1.75		Vinyl Acetate	ND	12	1.75	
c-1,3-Dichloropropene	ND	4.0	1.75		Vinyl Chloride	ND	2.2	1.75	
c-1,2-Dichloroethene	ND	3.5	1.75		Isopropanol	ND	22	1.75	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-2-A**	**03/26/12 16:48**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 23:45**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	13	4.8	1		t-1,2-Dichloroethene	3.8	2.0	1	
Benzene	1.6	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	4.6	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	20	2.2	1	
Chloroform	82	2.4	1		p/m-Xylene	43	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	2800	23	6.72	
Dichlorodifluoromethane	3.2	2.5	1		Toluene	2.6	1.9	1	
1,1-Dichloroethane	6.2	2.0	1		Trichloroethene	810	18	6.72	
1,1-Dichloroethene	1100	13	6.72		Trichlorofluoromethane	100	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	180	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	3.2	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	5.9	2.7	1	
1,2-Dichloroethane	250	2.0	1		1,3,5-Trimethylbenzene	10	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	24	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	2.8	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-3-A**	**03/26/12 16:43**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 00:41**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	20	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	4.7	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	4.7	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	3.4	2.2	1	
Chloroform	5.7	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	2400	28	8.4	
Dichlorodifluoromethane	2.6	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	7.2	2.0	1		Trichloroethene	750	23	8.4	
1,1-Dichloroethene	530	17	8.4		Trichlorofluoromethane	91	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	210	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	2.9	2.7	1	
1,2-Dichlorobenzene	ND	3.0	1		1,1,2-Trichloroethane	5.6	2.7	1	
1,2-Dichloroethane	ND	2.0	1		1,3,5-Trimethylbenzene	6.6	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	22	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
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_SVE_VE-8S_032612	**12-03-1881-4-A**	**03/26/12 16:53**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 01:29**	**120328L01**

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	240000	2200	640	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	ND	40	20		Trichloroethene	650	54	20	
1,1-Dichloroethene	310	40	20		Trichlorofluoromethane	ND	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	740	230	20	
Dichlorotetrafluoroethane	ND	280	20		1,1,1-Trichloroethane	380	55	20	
1,2-Dichlorobenzene	ND	60	20		1,1,2-Trichloroethane	ND	55	20	
1,2-Dichloroethane	230	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-5-A**	**03/26/12 17:03**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 02:27**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	46	4.8	1		t-1,2-Dichloroethene	5.9	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	5.8	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	83	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	8400	110	32.9	
Dichlorodifluoromethane	7.2	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	9.6	2.0	1		Trichloroethene	420	2.7	1	
1,1-Dichloroethene	1200	65	32.9		Trichlorofluoromethane	490	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	2300	380	32.9	
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	9.5	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	2.7	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-6-A**	**03/26/12 17:08**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 03:23**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.2	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	12	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	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	52	2.4	1		p/m-Xylene	15	8.7	1	
Chloromethane	ND	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	5500	110	31.3	
Dichlorodifluoromethane	7.2	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	5.2	2.0	1		Trichloroethene	350	2.7	1	
1,1-Dichloroethene	1100	62	31.3		Trichlorofluoromethane	83	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	300	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	2.6	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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-7-A**	**03/26/12 16:58**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 04:11**	**120328L01**

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	380	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	32000	610	179	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	36	20	10		Trichloroethene	1900	27	10	
1,1-Dichloroethene	2800	20	10		Trichlorofluoromethane	600	56	10	
1,2-Dibromoethane	ND	38	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	4200	110	10	
Dichlorotetrafluoroethane	ND	140	10		1,1,1-Trichloroethane	ND	27	10	
1,2-Dichlorobenzene	ND	30	10		1,1,2-Trichloroethane	34	27	10	
1,2-Dichloroethane	120	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	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-8-A**	**03/26/12 17:13**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 05:09**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	18	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	36	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	2900	91	26.9	
Dichlorodifluoromethane	5.9	2.5	1		Toluene	1.9	1.9	1	
1,1-Dichloroethane	3.0	2.0	1		Trichloroethene	150	2.7	1	
1,1-Dichloroethene	380	2.0	1		Trichlorofluoromethane	260	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	1600	310	26.9	
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	3.1	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	99	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-9-A**	**03/26/12 16:38**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 06:05**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	15	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	110	3.4	1	
Dichlorodifluoromethane	3.1	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	15	2.7	1	
1,1-Dichloroethene	ND	2.0	1		Trichlorofluoromethane	12	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	22	11	1	
Dichlorotetrafluoroethane	ND	14	1		1,1,1-Trichloroethane	6.0	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	102	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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_032612	**12-03-1881-10-A**	**03/26/12 17:23**	**Air**	**GC/MS HH**	**N/A**	**03/30/12 02:18**	**120329L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	18	15	3.18		t-1,2-Dichloroethene	ND	6.3	3.18	
Benzene	ND	5.1	3.18		t-1,3-Dichloropropene	ND	14	3.18	
Benzyl Chloride	ND	25	3.18		Ethylbenzene	ND	6.9	3.18	
Bromodichloromethane	ND	11	3.18		4-Ethyltoluene	ND	7.8	3.18	
Bromoform	ND	16	3.18		Hexachloro-1,3-Butadiene	ND	51	3.18	
Bromomethane	ND	6.2	3.18		Hexane	ND	22	3.18	
2-Butanone	ND	14	3.18		2-Hexanone	ND	20	3.18	
Carbon Disulfide	ND	20	3.18		Methyl-t-Butyl Ether (MTBE)	ND	23	3.18	
Carbon Tetrachloride	ND	10	3.18		Methylene Chloride	ND	55	3.18	
Chlorobenzene	ND	7.3	3.18		4-Methyl-2-Pentanone	ND	20	3.18	
Chloroethane	ND	4.2	3.18		o-Xylene	ND	6.9	3.18	
Chloroform	ND	7.8	3.18		p/m-Xylene	ND	28	3.18	
Chloromethane	ND	3.3	3.18		Styrene	ND	20	3.18	
Dibromochloromethane	ND	14	3.18		Tetrachloroethene	320	11	3.18	
Dichlorodifluoromethane	ND	7.9	3.18		Toluene	ND	6.0	3.18	
1,1-Dichloroethane	ND	6.4	3.18		Trichloroethene	190	8.5	3.18	
1,1-Dichloroethene	97	6.3	3.18		Trichlorofluoromethane	22	18	3.18	
1,2-Dibromoethane	ND	12	3.18		1,1,2-Trichloro-1,2,2-Trifluoroethane	49	37	3.18	
Dichlorotetrafluoroethane	ND	44	3.18		1,1,1-Trichloroethane	ND	8.7	3.18	
1,2-Dichlorobenzene	ND	9.6	3.18		1,1,2-Trichloroethane	ND	8.7	3.18	
1,2-Dichloroethane	ND	6.4	3.18		1,3,5-Trimethylbenzene	ND	7.8	3.18	
1,2-Dichloropropane	ND	7.3	3.18		1,1,2,2-Tetrachloroethane	ND	22	3.18	
1,3-Dichlorobenzene	ND	9.6	3.18		1,2,4-Trimethylbenzene	ND	23	3.18	
1,4-Dichlorobenzene	ND	9.6	3.18		1,2,4-Trichlorobenzene	ND	47	3.18	
1,4-Dioxane	ND	110	3.18		Vinyl Acetate	ND	22	3.18	
c-1,3-Dichloropropene	ND	7.2	3.18		Vinyl Chloride	ND	4.1	3.18	
c-1,2-Dichloroethene	ND	6.3	3.18		Isopropanol	ND	39	3.18	

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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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	**095-01-021-9,921**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 13:16**	**120328L01**

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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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	**095-01-021-9,922**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 14:18**	**120329L01**

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	95	57-129		1,2-Dichloroethane-d4	98	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1881
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	**095-01-021-9,923**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/30/12 16:04**	**120330L01**

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	98	47-137	
Toluene-d8	97	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,921	**Air**	**GC/MS HH**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	100	100	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	94	93	50-150	33-167	1	0-35	
Acetone	25.00	91	90	50-150	33-167	1	0-35	
Benzene	25.00	109	108	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	93	95	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	108	108	50-150	33-167	0	0-35	
Bromoform	25.00	107	108	62-134	50-146	1	0-38	
Bromomethane	25.00	102	103	50-150	33-167	0	0-35	
1,3-Butadiene	25.00	106	107	50-150	33-167	0	0-35	
2-Butanone	25.00	108	107	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	107	107	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	107	106	64-154	49-169	1	0-32	
Chlorobenzene	25.00	106	107	50-150	33-167	1	0-35	
Chloroethane	25.00	105	104	50-150	33-167	1	0-35	
Chloroform	25.00	108	107	50-150	33-167	1	0-35	
Chloromethane	25.00	107	107	50-150	33-167	0	0-35	
Cyclohexane	25.00	109	109	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	108	109	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	105	106	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	96	95	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	108	108	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	110	109	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	107	109	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	104	104	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	87	89	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	107	106	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	108	107	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	93	92	50-150	33-167	0	0-35	
1,4-Dichlorobenzene	25.00	91	91	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	107	109	50-150	33-167	2	0-35	
c-1,3-Dichloropropene	25.00	110	111	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	110	110	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	110	109	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,921	**Air**	**GC/MS HH**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	112	111	50-150	33-167	1	0-35	
Ethanol	100.0	107	107	50-150	33-167	0	0-35	
Ethyl Acetate	25.00	113	112	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	108	108	50-150	33-167	0	0-35	
Ethylbenzene	25.00	107	107	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	95	95	50-150	33-167	1	0-35	
Heptane	25.00	110	108	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	95	100	50-150	33-167	5	0-35	
Hexane	25.00	104	103	50-150	33-167	1	0-35	
2-Hexanone	25.00	100	102	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	108	108	50-150	33-167	0	0-35	
Methylene Chloride	25.00	102	101	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	106	105	50-150	33-167	1	0-35	
Naphthalene	25.00	94	99	40-190	15-215	5	0-35	
o-Xylene	25.00	105	105	52-148	36-164	0	0-38	
p/m-Xylene	50.00	107	108	42-156	23-175	1	0-41	
Propene	25.00	121	121	50-150	33-167	0	0-35	
Styrene	25.00	103	104	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	107	107	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	110	110	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	109	111	56-152	40-168	2	0-40	
Tetrahydrofuran	25.00	111	110	50-150	33-167	1	0-35	
Toluene	25.00	105	106	56-146	41-161	1	0-43	
Trichloroethene	25.00	108	108	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	87	86	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	109	109	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	108	108	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	109	109	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	98	97	50-150	33-167	1	0-35	
Acrolein	25.00	107	105	50-150	33-167	2	0-35	
Acrylonitrile	25.00	130	129	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	111	110	50-150	33-167	1	0-35	
Propane	50.00	120	120	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,921	**Air**	**GC/MS HH**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	107	107	50-150	33-167	0	0-35	
Methanol	75.00	105	103	50-150	33-167	3	0-35	
2,2,4-Trimethyl Pentane	25.00	107	107	50-150	33-167	0	0-35	
Isobutane	50.00	109	109	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	25.00	109	109	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	95	94	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	98	97	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	94	94	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	100	104	50-150	33-167	4	0-35	
Vinyl Acetate	25.00	109	108	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	107	107	45-177	23-199	0	0-36	
1,1-Difluoroethane	25.00	108	108	50-150	33-167	0	0-35	
Isopropanol	25.00	85	85	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	101	99	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,922	**Air**	**GC/MS HH**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	113	96	50-150	33-167	16	0-35	
n-Propylbenzene	25.00	107	91	50-150	33-167	16	0-35	
Acetone	25.00	100	94	50-150	33-167	6	0-35	
Benzene	25.00	117	107	60-156	44-172	8	0-40	
Benzyl Chloride	25.00	109	93	50-150	33-167	16	0-35	
Bromodichloromethane	25.00	119	109	50-150	33-167	8	0-35	
Bromoform	25.00	126	106	62-134	50-146	17	0-38	
Bromomethane	25.00	112	106	50-150	33-167	6	0-35	
1,3-Butadiene	25.00	116	111	50-150	33-167	4	0-35	
2-Butanone	25.00	118	110	50-150	33-167	7	0-35	
Carbon Disulfide	25.00	114	107	50-150	33-167	6	0-35	
Carbon Tetrachloride	25.00	118	108	64-154	49-169	9	0-32	
Chlorobenzene	25.00	120	103	50-150	33-167	16	0-35	
Chloroethane	25.00	116	108	50-150	33-167	7	0-35	
Chloroform	25.00	115	108	50-150	33-167	7	0-35	
Chloromethane	25.00	116	112	50-150	33-167	3	0-35	
Cyclohexane	25.00	119	110	50-150	33-167	8	0-35	
Dibromochloromethane	25.00	127	107	50-150	33-167	17	0-35	
Dichlorodifluoromethane	25.00	116	112	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	104	98	50-150	33-167	6	0-35	
1,1-Dichloroethane	25.00	115	109	50-150	33-167	6	0-35	
1,1-Dichloroethene	25.00	119	111	50-150	33-167	7	0-35	
1,2-Dibromoethane	25.00	125	105	54-144	39-159	17	0-36	
Dichlorotetrafluoroethane	25.00	114	110	50-150	33-167	4	0-35	
1,2-Dichlorobenzene	25.00	100	85	34-160	13-181	16	0-47	
1,2-Dichloroethane	25.00	114	107	69-153	55-167	7	0-35	
1,2-Dichloropropane	25.00	117	108	67-157	52-172	8	0-35	
1,3-Dichlorobenzene	25.00	105	89	50-150	33-167	17	0-35	
1,4-Dichlorobenzene	25.00	102	87	36-156	16-176	16	0-47	
1,4-Dioxane	25.00	114	104	50-150	33-167	9	0-35	
c-1,3-Dichloropropene	25.00	120	110	61-157	45-173	8	0-35	
c-1,2-Dichloroethene	25.00	114	109	50-150	33-167	5	0-35	
t-1,2-Dichloroethene	25.00	115	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,922	**Air**	**GC/MS HH**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	121	111	50-150	33-167	9	0-35	
Ethanol	100.0	117	110	50-150	33-167	7	0-35	
Ethyl Acetate	25.00	120	112	50-150	33-167	6	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	115	109	50-150	33-167	5	0-35	
Ethylbenzene	25.00	122	104	52-154	35-171	16	0-38	
4-Ethyltoluene	25.00	107	92	50-150	33-167	15	0-35	
Heptane	25.00	117	109	50-150	33-167	7	0-35	
Hexachloro-1,3-Butadiene	25.00	118	98	50-150	33-167	18	0-35	
Hexane	25.00	112	106	50-150	33-167	5	0-35	
2-Hexanone	25.00	119	100	50-150	33-167	17	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	113	108	50-150	33-167	5	0-35	
Methylene Chloride	25.00	107	101	50-150	33-167	6	0-35	
4-Methyl-2-Pentanone	25.00	115	105	50-150	33-167	9	0-35	
Naphthalene	25.00	112	96	40-190	15-215	16	0-35	
o-Xylene	25.00	120	102	52-148	36-164	16	0-38	
p/m-Xylene	50.00	126	107	42-156	23-175	16	0-41	
Propene	25.00	133	128	50-150	33-167	4	0-35	
Styrene	25.00	117	100	50-150	33-167	16	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	113	106	50-150	33-167	7	0-35	
Tert-Butyl Alcohol (TBA)	50.00	118	111	50-150	33-167	5	0-35	
Tetrachloroethene	25.00	127	108	56-152	40-168	16	0-40	
Tetrahydrofuran	25.00	120	113	50-150	33-167	6	0-35	
Toluene	25.00	121	104	56-146	41-161	16	0-43	
Trichloroethene	25.00	119	109	63-159	47-175	9	0-34	
Trichlorofluoromethane	25.00	97	89	50-150	33-167	8	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	117	110	50-150	33-167	6	0-35	
1,1,1-Trichloroethane	25.00	114	108	50-150	33-167	6	0-35	
1,1,2-Trichloroethane	25.00	117	108	65-149	51-163	8	0-37	
1,2,3-Trichloropropane	25.00	112	95	50-150	33-167	16	0-35	
Acrolein	25.00	117	110	50-150	33-167	7	0-35	
Acrylonitrile	25.00	139	131	50-150	33-167	5	0-35	
Methyl Methacrylate	25.00	120	110	50-150	33-167	9	0-35	
Propane	50.00	134	131	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,922	**Air**	**GC/MS HH**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	115	108	50-150	33-167	6	0-35	
Methanol	75.00	106	101	50-150	33-167	5	0-35	
2,2,4-Trimethyl Pentane	25.00	118	108	50-150	33-167	9	0-35	
Isobutane	50.00	117	111	50-150	33-167	5	0-35	
1,1,1,2-Tetrafluoroethane	25.00	116	109	50-150	33-167	6	0-35	
1,3,5-Trimethylbenzene	25.00	107	92	50-150	33-167	15	0-35	
1,1,2,2-Tetrachloroethane	25.00	113	96	50-150	33-167	16	0-35	
1,2,4-Trimethylbenzene	25.00	106	91	50-150	33-167	15	0-35	
1,2,4-Trichlorobenzene	25.00	120	102	50-150	33-167	16	0-35	
Vinyl Acetate	25.00	118	111	50-150	33-167	7	0-35	
Vinyl Chloride	25.00	116	112	45-177	23-199	3	0-36	
1,1-Difluoroethane	25.00	118	110	50-150	33-167	7	0-35	
Isopropanol	25.00	93	87	50-150	33-167	6	0-35	
2-Chlorotoluene	25.00	112	96	50-150	33-167	15	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,923	**Air**	**GC/MS HH**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	104	96	50-150	33-167	8	0-35	
n-Propylbenzene	25.00	98	90	50-150	33-167	9	0-35	
Acetone	25.00	90	87	50-150	33-167	4	0-35	
Benzene	25.00	106	104	60-156	44-172	2	0-40	
Benzyl Chloride	25.00	104	92	50-150	33-167	12	0-35	
Bromodichloromethane	25.00	108	105	50-150	33-167	3	0-35	
Bromoform	25.00	117	106	62-134	50-146	10	0-38	
Bromomethane	25.00	111	98	50-150	33-167	13	0-35	
1,3-Butadiene	25.00	113	102	50-150	33-167	11	0-35	
2-Butanone	25.00	105	103	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	103	102	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	107	104	64-154	49-169	3	0-32	
Chlorobenzene	25.00	111	104	50-150	33-167	7	0-35	
Chloroethane	25.00	112	101	50-150	33-167	11	0-35	
Chloroform	25.00	104	102	50-150	33-167	2	0-35	
Chloromethane	25.00	111	101	50-150	33-167	10	0-35	
Cyclohexane	25.00	107	105	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	117	109	50-150	33-167	7	0-35	
Dichlorodifluoromethane	25.00	110	102	50-150	33-167	7	0-35	
Diisopropyl Ether (DIPE)	25.00	93	92	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	104	103	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	107	105	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	114	107	54-144	39-159	7	0-36	
Dichlorotetrafluoroethane	25.00	112	100	50-150	33-167	11	0-35	
1,2-Dichlorobenzene	25.00	90	83	34-160	13-181	9	0-47	
1,2-Dichloroethane	25.00	103	100	69-153	55-167	3	0-35	
1,2-Dichloropropane	25.00	107	104	67-157	52-172	3	0-35	
1,3-Dichlorobenzene	25.00	96	87	50-150	33-167	10	0-35	
1,4-Dichlorobenzene	25.00	93	84	36-156	16-176	10	0-47	
1,4-Dioxane	25.00	101	98	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	109	107	61-157	45-173	2	0-35	
c-1,2-Dichloroethene	25.00	104	103	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	104	104	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,923	**Air**	**GC/MS HH**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	112	108	50-150	33-167	4	0-35	
Ethanol	100.0	107	102	50-150	33-167	4	0-35	
Ethyl Acetate	25.00	110	107	50-150	33-167	3	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	106	104	50-150	33-167	1	0-35	
Ethylbenzene	25.00	113	105	52-154	35-171	7	0-38	
4-Ethyltoluene	25.00	98	90	50-150	33-167	9	0-35	
Heptane	25.00	106	106	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	106	102	50-150	33-167	4	0-35	
Hexane	25.00	100	100	50-150	33-167	1	0-35	
2-Hexanone	25.00	109	102	50-150	33-167	7	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	104	104	50-150	33-167	0	0-35	
Methylene Chloride	25.00	97	96	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	105	101	50-150	33-167	3	0-35	
Naphthalene	25.00	103	99	40-190	15-215	4	0-35	
o-Xylene	25.00	111	102	52-148	36-164	8	0-38	
p/m-Xylene	50.00	116	107	42-156	23-175	8	0-41	
Propene	25.00	120	117	50-150	33-167	2	0-35	
Styrene	25.00	108	100	50-150	33-167	8	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	106	105	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	107	106	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	117	110	56-152	40-168	6	0-40	
Tetrahydrofuran	25.00	108	105	50-150	33-167	2	0-35	
Toluene	25.00	112	105	56-146	41-161	6	0-43	
Trichloroethene	25.00	108	105	63-159	47-175	3	0-34	
Trichlorofluoromethane	25.00	87	87	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	106	104	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	105	102	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	108	103	65-149	51-163	5	0-37	
1,2,3-Trichloropropane	25.00	102	94	50-150	33-167	9	0-35	
Acrolein	25.00	106	103	50-150	33-167	2	0-35	
Acrylonitrile	25.00	70	124	50-150	33-167	56	0-35	X
Methyl Methacrylate	25.00	109	106	50-150	33-167	3	0-35	
Propane	50.00	122	119	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: 12-03-1881
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,923	**Air**	**GC/MS HH**	**N/A**	**03/30/12**	**120330L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	108	102	50-150	33-167	6	0-35	
Methanol	75.00	97	93	50-150	33-167	4	0-35	
2,2,4-Trimethyl Pentane	25.00	105	104	50-150	33-167	1	0-35	
Isobutane	50.00	108	104	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	105	103	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	98	90	50-150	33-167	8	0-35	
1,1,2,2-Tetrachloroethane	25.00	103	95	50-150	33-167	8	0-35	
1,2,4-Trimethylbenzene	25.00	97	89	50-150	33-167	9	0-35	
1,2,4-Trichlorobenzene	25.00	110	106	50-150	33-167	4	0-35	
Vinyl Acetate	25.00	106	104	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	115	103	45-177	23-199	12	0-36	
1,1-Difluoroethane	25.00	105	103	50-150	33-167	2	0-35	
Isopropanol	25.00	84	109	50-150	33-167	26	0-35	
2-Chlorotoluene	25.00	104	95	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.

Summa Canister Vacuum Summary

Work Order Number: **12-03-1881**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_VE-1S_032612	-5.00	-29.50	LC440	Summa Canister 1L
OC_SVE_VE-5S_032612	-8.00	-29.70	LC196	Summa Canister 1L
OC_SVE_VE-6S_032612	-5.00	-29.50	LC149	Summa Canister 1L
OC_SVE_VE-8S_032612	-5.00	-29.50	LC303	Summa Canister 1L
OC_SVE_VE-9S_032612	-7.00	-29.50	LC366	Summa Canister 1L
OC_SVE_VE-10S_032612	-8.00	-29.70	LC164	Summa Canister 1L
OC_SVE_VE-11S_032612	-5.00	-29.50	LC419	Summa Canister 1L
OC_SVE_VE-12S_032612	-6.00	-29.50	LC472	Summa Canister 1L
OC_SVE_VE-14S_032612	-9.00	-29.60	LC013	Summa Canister 1L
OC_SVE_VE-15S_032612	-6.00	-29.50	LC463	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-1881

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: 03/26/12
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 12-03-1881

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ■ 10 DAYS
SAMPLER(S): (NAME / SIGNATURE) Carlton E. 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_032612	SP-VE-1S	SV	1689	1L	NA	3/26/2012	1715	-28	3/26/2012	1718	-2	x				
2	OC_SVE_VE-5S_032612	SP-VE-5S	SV	1153	1L	NA	3/26/2012	1645	-30	3/26/2012	1648	-2	x				
3	OC_SVE_VE-6S_032612	SP-VE-6S	SV	1104	1L	NA	3/26/2012	1640	-30	3/26/2012	1643	-2	x				
4	OC_SVE_VE-8S_032612	SP-VE-8S	SV	1566	1L	NA	3/26/2012	1650	-30	3/26/2012	1653	-2	x				
5	OC_SVE_VE-9S_032612	SP-VE-9S	SV	1640	1L	NA	3/26/2012	1700	-30	3/26/2012	1703	-2	x				
6	OC_SVE_VE-10S_032612	SP-VE-10S	SV	1131	1L	NA	3/26/2012	1705	-30	3/26/2012	1708	-2	x				
7	OC_SVE_VE-11S_032612	SP-VE-11S	SV	1429	1L	NA	3/26/2012	1655	-30	3/26/2012	1658	-2	x				
8	OC_SVE_VE-12S_032612	SP-VE-12S	SV	1657	1L	NA	3/26/2012	1710	-30	3/26/2012	1713	-2	x				
9	OC_SVE_VE-14S_032612	SP-VE-14S	SV	LC013	1L	NA	3/26/2012	1635	-30	3/26/2012	1638	-2	x				
10	OC_SVE_VE-15S_032612	SP-VE-15S	SV	1649	1L	NA	3/26/2012	1720	-30	3/26/2012	1723	-2	x				
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CCL	3/28/12	1208
		3/28/12	1445

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-1 8 8 1

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 03/28/12

TEMPERATURE: Thermometer ID: SC3 (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: 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.

CEL Work Order #12-03-1881

Client: de maximis, inc.

Omega

QA Summaries

Initial Calibration
Instrument Tune
Continuing Calibration

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-750

Untitled

Response Factor Report GCMS HH

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 120326.M
Title :
Last Update : Mon Mar 26 17:34:10 2012
Response Via : Initial Calibration

Calibration Files
1 =26MAR06.D 2 =26MAR05.D 3 =26MAR04.D 4 =26MAR03.D 5 =26MAR02.D 6 =26MAR08.D
7 =26MAR07.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)		1,1,1,2-Tetraf...	0.572	0.586	0.617	0.596	0.598	0.567	0.515	0.579	5.66
3)		1,1-Difluoroet...		0.794	0.809	0.780	0.789	0.709	0.631	0.752	9.12
4)		Propene			0.328	0.531	0.512	0.427	0.350	0.430	21.34
5)		Propane			0.132	0.215	0.190	0.146	0.110	0.159	27.11
6)		Dichlorodifluo...	1.800	1.735	1.962	1.624	1.736	1.452	1.282	1.656	13.73
7)		Chloromethane	0.343	0.319	0.369	0.314	0.334	0.317	0.301	0.328	6.91
8)		Dichlorotetraf...	1.587	1.421	1.622	1.265	1.354	1.138	0.934	1.332	18.34
9)		Isobutane		0.559	0.585	0.533	0.544	0.497	0.418	0.523	11.28
10)		Methanol			0.055	0.053	0.052	0.060	0.060	0.056	7.25
11)		Vinyl Chloride	0.471	0.448	0.520	0.420	0.466	0.433	0.400	0.451	8.75
12)		1,3-Butadiene		0.298	0.351	0.295	0.316	0.294	0.277	0.305	8.44
13)		Butane	0.492	0.467	0.497	0.461	0.474	0.443	0.409	0.463	6.50
14)		Bromomethane	0.463	0.454	0.514	0.450	0.455	0.430	0.410	0.454	7.08
15)		Chloroethane	0.171	0.186	0.207	0.186	0.190	0.181	0.177	0.185	6.16
16)		Ethanol		0.118	0.128	0.116	0.116	0.120	0.115	0.119	3.98
17)		Acrolein		0.129	0.148	0.147	0.152	0.150	0.152	0.146	5.80
18)		Acetone		0.228	0.190	0.179	0.181	0.175	0.283	0.206	20.51
19)		Trichlorofluor...	1.445	2.131	1.457	1.393	1.402	1.487	1.975	1.613	18.95
20)		Isopropanol		0.996	0.665	0.632	0.629	0.879	0.837	0.773	19.78
21)		Acrylonitrile	0.233	0.545	0.294	0.561	0.570	0.542	0.503	0.464	30.10
22)		1,1-Dichloroet...	1.253	1.273	0.954	1.246	1.219	1.069	0.949	1.138	12.64
23)		Methylene Chlo...		0.848	0.696	0.671	0.669	0.641	0.602	0.688	12.30
24)		Tert-Butyl Alc...		1.527	1.438	1.558	1.485	1.326	1.082	1.403	12.59
25)		1,1,2-Trichlor...		1.631	1.674	1.633	1.618	1.426	1.176	1.527	12.61
26)		Carbon Disulfide	2.116	2.134	2.182	2.109	2.026	1.742	1.409	1.960	14.46
27)		t-1,2-Dichloro...	0.748	0.802	0.864	0.846	0.862	0.823	0.767	0.816	5.61
28)		1,1-Dichloroet...	1.365	1.406	1.487	1.441	1.458	1.372	1.252	1.397	5.57
29)		Methyl-t-Butyl...		1.820	1.949	1.886	1.943	1.911	1.724	1.872	4.62
30)		Vinyl Acetate		1.627	1.773	1.708	1.721	1.550	1.368	1.624	9.12
31)		2-Butanone		1.228	1.328	1.255	1.255	1.143	1.020	1.205	8.99
32)		c-1,2-Dichloro...	0.777	0.824	0.885	0.864	0.881	0.860	0.811	0.843	4.78
33)		Hexane	1.148	1.179	1.207	1.113	1.027	0.821	0.674	1.024	19.71
34)		Diisopropyl Et...		2.438	2.404	2.147	1.940	1.577		2.101	16.96
35)		Ethyl Acetate			0.094	0.091	0.093	0.085	0.071	0.087	11.20
36)		Chloroform	1.716	1.730	1.856	1.800	1.845	1.749	1.615	1.759	4.75
37)		Tetrahydrofuran		0.619	0.699	0.666	0.671	0.612	0.537	0.634	9.13
38)		Ethyl-t-Butyl ...		2.404	2.555	2.425	2.451	2.316	1.967	2.353	8.67
39)	S	1,2-Dichloroet...	1.370	1.364	1.366	1.348	1.359	1.338	1.384	1.361	1.09
40)		1,2-Dichloroet...	1.147	1.171	1.235	1.201	1.238	1.189	1.160	1.192	2.99
41)		1,1,1-Trichlor...	1.662	1.689	1.835	1.820	1.888	1.861	1.765	1.789	4.82
42)	I	1,4-Difluorobenzene	----------ISTD----------								
43)		Benzene	0.585	0.609	0.638	0.624	0.637	0.607	0.566	0.609	4.37
44)		Carbon Tetrach...	0.486	0.499	0.547	0.541	0.569	0.549	0.520	0.530	5.59

Untitled

45)		Cyclohexane		0.350	0.366	0.354	0.352	0.312	0.265	0.333	11.40
46)		Tert-Amyl-Meth...		0.521	0.573	0.557	0.580	0.561	0.501	0.548	5.67
47)		1,2-Dichloropr...	0.234	0.238	0.247	0.238	0.241	0.224	0.200	0.232	6.75
48)		Bromodichlorom...	0.462	0.485	0.526	0.519	0.540	0.512	0.484	0.504	5.47
49)		Trichloroethene	0.295	0.302	0.319	0.314	0.322	0.299	0.268	0.303	6.16
50)		2,2,4-Trimethy...	1.200	1.221	1.238	1.184	1.162	0.991	0.816	1.116	13.96
51)		1,4-Dioxane			0.143	0.126	0.120	0.113	0.099	0.120	13.44
52)		Methyl Methacr...	0.176	0.200	0.212	0.207	0.213	0.205	0.194	0.201	6.45
53)		Heptane		0.053	0.058	0.058	0.060	0.058	0.053	0.056	5.40
54)		c-1,3-Dichloro...	0.291	0.315	0.351	0.352	0.368	0.362	0.348	0.341	8.13
55)		4-Methyl-2-Pen...		0.223	0.227	0.213	0.212	0.194	0.175	0.207	9.30
56)		t-1,3-Dichloro...	0.223	0.251	0.292	0.296	0.317	0.319	0.320	0.288	13.04
57)		1,1,2-Trichlor...	0.199	0.214	0.227	0.221	0.227	0.217	0.205	0.216	4.98
58)	S	Toluene-d8	0.844	0.845	0.856	0.848	0.843	0.859	0.892	0.855	2.02
59)	I	Chlorobenzene-d5		----------ISTD----------							
60)		Toluene	1.050	1.086	1.019	1.022	1.052	0.984	0.893	1.015	6.17
61)		2-Hexanone		0.499	0.463	0.445	0.425	0.368	0.311	0.418	16.30
62)		Dibromochlorom...	0.591	0.646	0.686	0.696	0.727	0.686	0.624	0.665	7.04
63)		1,2-Dibromoethane	0.524	0.555	0.578	0.578	0.598	0.570	0.530	0.562	4.84
64)		Tetrachloroethene	0.500	0.544	0.569	0.577	0.605	0.568	0.513	0.554	6.70
65)		Chlorobenzene	0.718	0.744	0.737	0.729	0.753	0.731	0.697	0.730	2.50
66)		Ethylbenzene	1.096	1.117	1.153	1.164	1.212	1.165	1.093	1.143	3.79
67)		p/m-Xylene	0.937	0.950	0.965	0.961	0.973	0.851	0.697	0.905	11.12
68)		Bromoform	0.500	0.532	0.585	0.595	0.616	0.556	0.499	0.555	8.39
69)		Styrene		0.649	0.652	0.650	0.673	0.667	0.659	0.658	1.52
70)		1,1,2,2-Tetrac...	0.836	0.799	0.794	0.762	0.750	0.711	0.597	0.750	10.43
71)		o-Xylene	0.910	0.922	0.918	0.910	0.953	0.906	0.834	0.908	3.96
72)		1,2,3-Trichlor...	0.544	0.518	0.532	0.507	0.507	0.503	0.478	0.513	4.17
73)	S	1,4-Bromofluor...	0.623	0.595	0.615	0.596	0.583	0.584	0.597	0.599	2.49
74)		Isopropylbenzene	1.528	1.459	1.349	1.319	1.372	1.348	1.279	1.379	6.23
75)		2-Chlorotoluene	0.853	0.828	0.901	0.868	0.877	0.886	0.854	0.867	2.76
76)		n-Propylbenzene	2.019	1.893	1.706	1.636	1.635	1.648	1.504	1.720	10.22
77)		4-Ethyltoluene	1.485	1.392	1.407	1.355	1.355	1.416	1.285	1.385	4.51
78)		1,3,5-Trimethy...	1.347	1.282	1.254	1.219	1.223	1.271	1.147	1.249	4.98
79)		1,2,4-Trimethy...		1.320	1.340	1.307	1.296	1.389	1.242	1.316	3.69
80)		Benzyl Chloride		0.781	0.927	0.989	0.999	1.124	0.891	0.952	12.14
81)		1,3-Dichlorobe...	1.087	1.022	1.005	0.977	0.948	0.970	0.827	0.977	8.19
82)		1,4-Dichlorobe...	1.066	0.990	0.995	0.972	0.953	1.066	0.952	0.999	4.86
83)		1,2-Dichlorobe...	1.237	1.158	1.094	1.061	1.024	1.111	0.980	1.095	7.81
84)		1,2,4-Trichlor...		1.348	0.985	1.093	1.217	1.099		1.149	12.05
85)		Naphthalene		3.964	2.414	2.576	2.754	2.447		2.831	22.87
86)		Hexachloro-1,3...		1.136	0.877	0.957	0.987	0.843		0.960	11.94

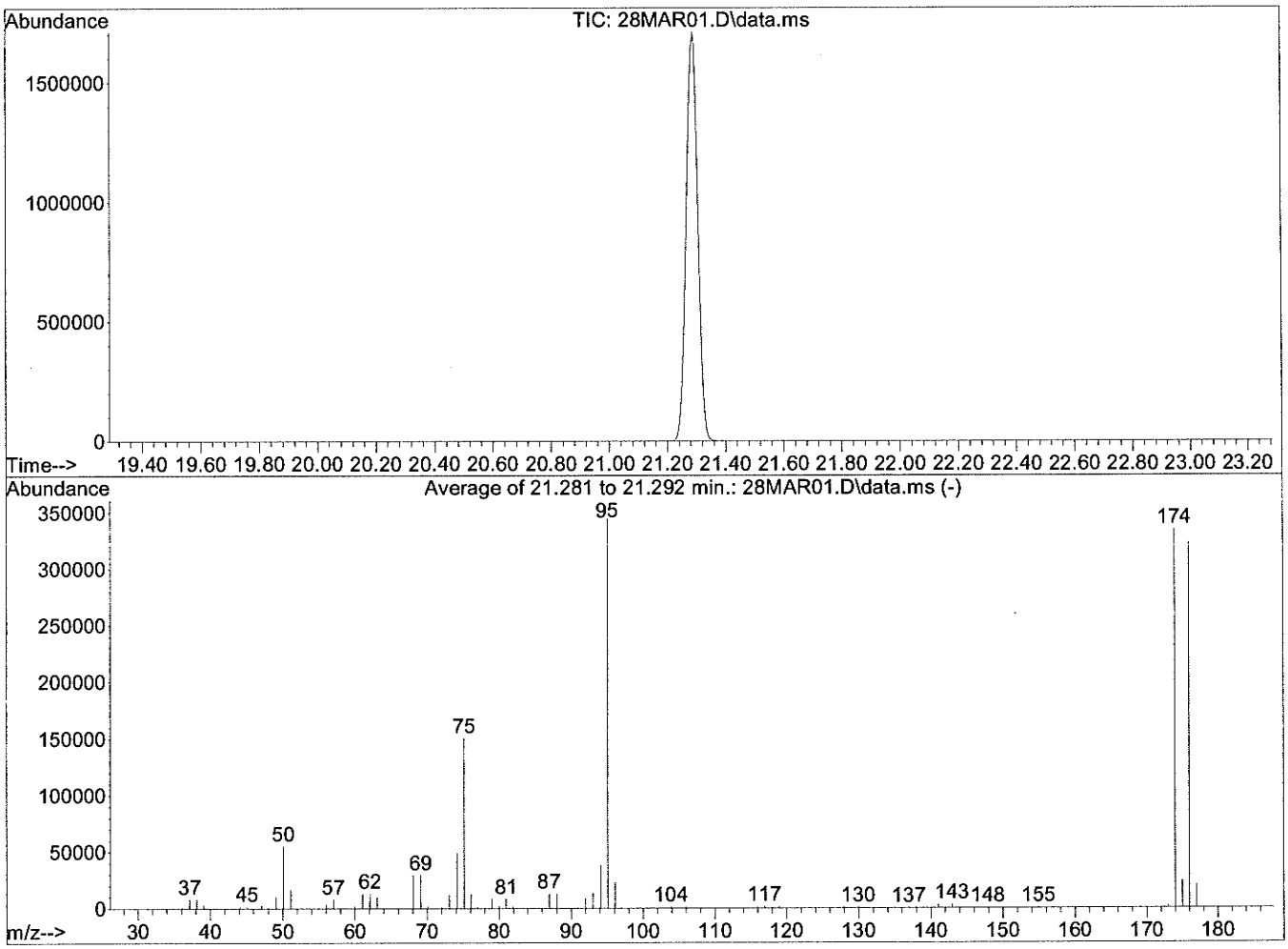
(#) = Out of Range

120326.M Mon Apr 02 14:19:55 2012

Data Path : W:\DATA\2012\120328\
Data File : 28MAR01.D
Acq On : 28 Mar 2012 9:39 am
Operator :
Sample : Tune Check
Misc : IS:A01-23-19 510
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\120326.M
Title :
Last Update : Mon Mar 26 17:34:10 2012



AutoFind: Scans 3951, 3952, 3953; Background Corrected with Scan 3937

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	55555	PASS
75	95	30	60	43.8	150891	PASS
95	95	100	100	100.0	344661	PASS
96	95	5	9	6.7	23096	PASS
173	174	0.00	2	0.7	2385	PASS
174	95	50	120	97.2	334912	PASS
175	174	5	9	7.2	24152	PASS
176	174	95	101	96.4	323008	PASS
177	176	5	9	6.4	20808	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2062	0.1932		6	0-45	PASS
C	Benzene	0.6095	0.6749		11	0-30	PASS
C	Benzyl Chloride	0.9519	0.9531		0	0-30	PASS
C	Bromodichloromethane	0.5040	0.5580		11	0-45	PASS
C	Bromoform	0.5546	0.6049		9	0-30	PASS
C	Bromomethane	0.4538	0.4733		4	0-30	PASS
C	1,3-Butadiene	0.3051	0.3312		9	0-30	PASS
C	2-Butanone	1.2048	1.3408		11	0-30	PASS
C	Carbon Disulfide	1.9597	2.1340		9	0-30	PASS
C	Carbon Tetrachloride	0.5301	0.5795		9	0-30	PASS
C	Chlorobenzene	0.7301	0.7827		7	0-30	PASS
C	Chloroethane	0.1854	0.1995		8	0-30	PASS
C	Chloroform	1.7587	1.9448		11	0-30	PASS
C	Chloromethane	0.3281	0.3547		8	0-30	PASS
C	Cyclohexane	0.3345	0.3723		11	0-30	PASS
C	Dibromochloromethane	0.6652	0.7428		12	0-45	PASS
C	Dichlorodifluoromethane	1.6559	1.8044		9	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.1011	2.0418		3	0-45	PASS
C	1,1-Dichloroethane	1.3972	1.5468		11	0-30	PASS
C	1,1-Dichloroethene	1.1376	1.2835		13	0-30	PASS
C	1,2-Dibromoethane	0.5619	0.6215		11	0-30	PASS
C	Dichlorotetrafluoroethane	1.3315	1.4231		7	0-30	PASS
C	1,2-Dichlorobenzene	1.0950	1.0480		4	0-30	PASS
C	1,2-Dichloroethane	1.1916	1.2975		9	0-30	PASS
C	1,2-Dichloropropane	0.2316	0.2527		9	0-30	PASS
C	1,3-Dichlorobenzene	0.9766	0.9699		1	0-30	PASS
C	1,4-Dichlorobenzene	0.9992	0.9749		2	0-30	PASS
C	1,4-Dioxane	0.1203	0.1324		10	0-30	PASS
C	c-1,3-Dichloropropene	0.3410	0.3790		11	0-30	PASS
C	c-1,2-Dichloroethene	0.8431	0.9476		12	0-30	PASS
C	t-1,2-Dichloroethene	0.8158	0.9167		12	0-45	PASS
C	t-1,3-Dichloropropene	0.2883	0.3217		12	0-30	PASS
C	Ethanol	0.1189	0.1285		8	0-30	PASS
C	Ethyl Acetate	0.0870	0.0996		15	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.3532	2.5817		10	0-45	PASS
C	Ethylbenzene	1.1429	1.2367		8	0-30	PASS
C	4-Ethyltoluene	1.3849	1.3822		0	0-45	PASS
C	Heptane	0.0565	0.0629		11	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9599	1.0270		7	0-30	PASS
C	Hexane	1.0035	1.0920		9	0-30	PASS
C	2-Hexanone	0.4184	0.4448		6	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8722	2.0498		9	0-30	PASS
C	Methylene Chloride	0.6879	0.7181		4	0-30	PASS
C	4-Methyl-2-Pentanone	0.2074	0.2245		8	0-30	PASS
C	Naphthalene	2.8310	2.9246		3	0-30	PASS
C	o-Xylene	0.9076	0.9637		6	0-30	PASS
C	p/m-Xylene	0.9049	0.9897		9	0-30	PASS
C	Propene	0.4296	0.5355		25	0-30	PASS
C	Styrene	0.6584	0.6850		4	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.5485	0.5917		8	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.4025	1.5584		11	0-45	PASS
C	Tetrachloroethene	0.5536	0.6240		13	0-30	PASS
C	Tetrahydrofuran	0.6338	0.7153		13	0-30	PASS
C	Toluene	1.0152	1.0974		8	0-30	PASS
C	Trichloroethene	0.3027	0.3368		11	0-30	PASS
C	Trichlorofluoromethane	1.6129	1.4475		10	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5266	1.7093		12	0-30	PASS
C	1,1,1-Trichloroethane	1.7885	1.9667		10	0-30	PASS
C	1,1,2-Trichloroethane	0.2155	0.2373		10	0-30	PASS
C	n-Propylbenzene	1.7201	1.6596		4	0-30	PASS
C	Isopropylbenzene	1.3790	1.3905		1	0-30	PASS
C	2-Chlorotoluene	0.8667	0.8883		2	0-30	PASS
C	Acrolein	0.1464	0.1604		10	0-30	PASS
C	Acrylonitrile	0.5026	0.6127		22	0-30	PASS
C	Methyl Methacrylate	0.1762	0.2266		29	0-30	PASS
C	Propane	0.1586	0.1963		24	0-30	PASS
C	Butane	0.4585	0.5005		9	0-30	PASS
C	Methanol	0.0558	0.0577		3	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

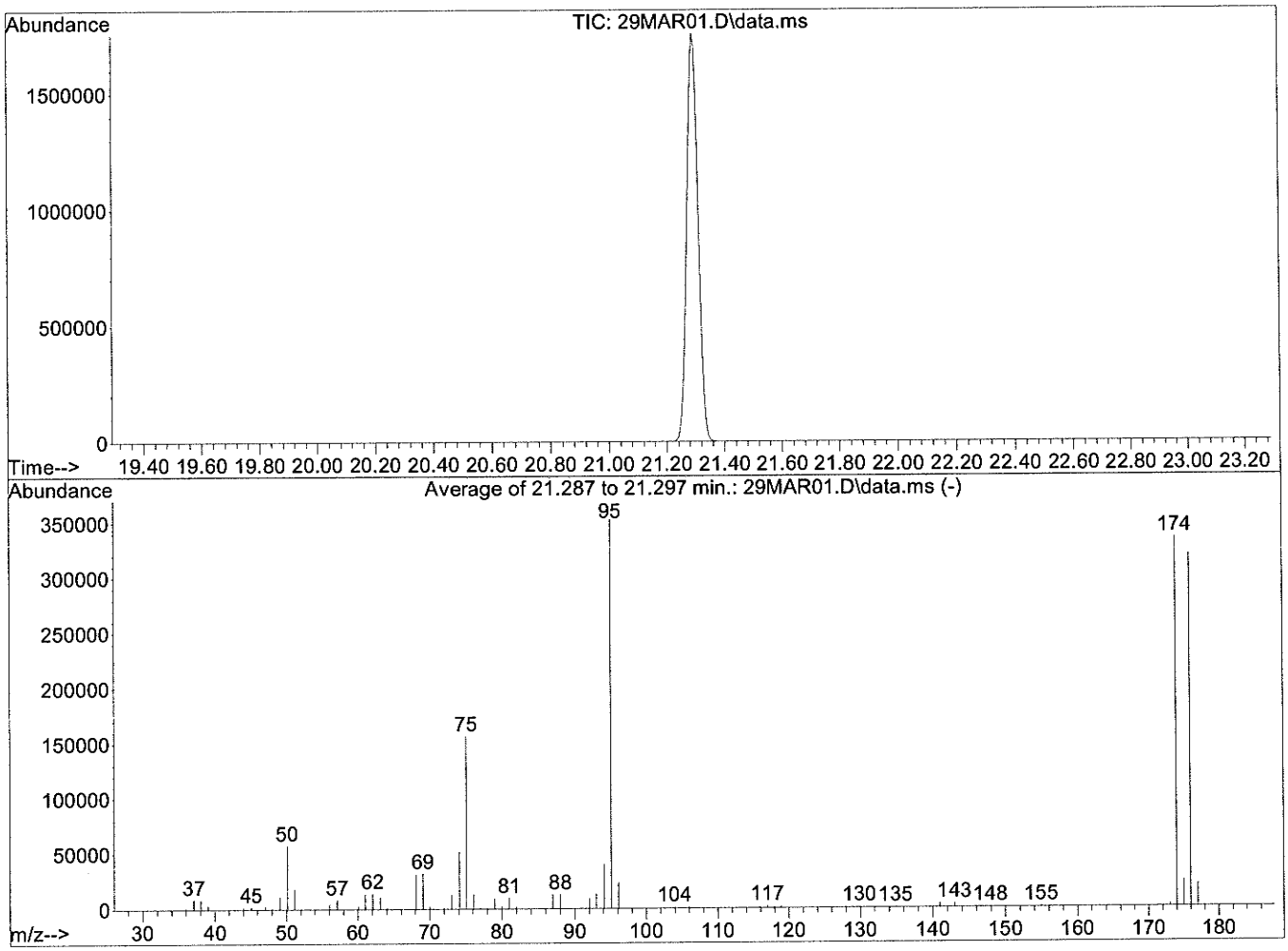
REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.1019	1.2226		11	0-30	PASS
C	Isobutane	0.5228	0.5765		10	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.5787	0.6368		10	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2490	1.2494		0	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.7498	0.7637		2	0-30	PASS
C	1,2,4-Trimethylbenzene	1.3155	1.3224		1	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1487	1.2800		11	0-30	PASS
C	Vinyl Acetate	1.6244	1.8023		11	0-30	PASS
C	Vinyl Chloride	0.4511	0.4945		10	0-30	PASS
C	1,1-Difluoroethane	0.7520	0.8351		11	0-30	PASS
C	Isopropanol	0.7732	0.6701		13	0-30	PASS

Data Path : W:\DATA\2012\120329\
Data File : 29MAR01.D
Acq On : 29 Mar 2012 9:31 am
Operator :
Sample : Tune Check
Misc : IS:A01-23-19 510
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\120326.M
Title :
Last Update : Mon Mar 26 17:34:10 2012



AutoFind: Scans 3952, 3953, 3954; Background Corrected with Scan 3938

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	57923	PASS
75	95	30	60	44.4	156885	PASS
95	95	100	100	100.0	352960	PASS
96	95	5	9	6.7	23472	PASS
173	174	0.00	2	0.7	2461	PASS
174	95	50	120	94.9	335019	PASS
175	174	5	9	7.1	23827	PASS
176	174	95	101	95.7	320512	PASS
177	176	5	9	6.5	20928	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2062	0.2003		3	0-45	PASS
C	Benzene	0.6095	0.6619		9	0-30	PASS
C	Benzyl Chloride	0.9519	1.0031		5	0-30	PASS
C	Bromodichloromethane	0.5040	0.5662		12	0-45	PASS
C	Bromoform	0.5546	0.6352		15	0-30	PASS
C	Bromomethane	0.4538	0.4923		8	0-30	PASS
C	1,3-Butadiene	0.3051	0.3316		9	0-30	PASS
C	2-Butanone	1.2048	1.3638		13	0-30	PASS
C	Carbon Disulfide	1.9597	2.1501		10	0-30	PASS
C	Carbon Tetrachloride	0.5301	0.5882		11	0-30	PASS
C	Chlorobenzene	0.7301	0.7765		6	0-30	PASS
C	Chloroethane	0.1854	0.2096		13	0-30	PASS
C	Chloroform	1.7587	1.9547		11	0-30	PASS
C	Chloromethane	0.3281	0.3525		7	0-30	PASS
C	Cyclohexane	0.3345	0.3731		12	0-30	PASS
C	Dibromochloromethane	0.6652	0.7512		13	0-45	PASS
C	Dichlorodifluoromethane	1.6559	1.8164		10	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.1011	2.0697		2	0-45	PASS
C	1,1-Dichloroethane	1.3972	1.5416		10	0-30	PASS
C	1,1-Dichloroethene	1.1376	1.2965		14	0-30	PASS
C	1,2-Dibromoethane	0.5619	0.6224		11	0-30	PASS
C	Dichlorotetrafluoroethane	1.3315	1.4526		9	0-30	PASS
C	1,2-Dichlorobenzene	1.0950	1.0550		4	0-30	PASS
C	1,2-Dichloroethane	1.1916	1.3245		11	0-30	PASS
C	1,2-Dichloropropane	0.2316	0.2526		9	0-30	PASS
C	1,3-Dichlorobenzene	0.9766	0.9992		2	0-30	PASS
C	1,4-Dichlorobenzene	0.9992	0.9978		0	0-30	PASS
C	1,4-Dioxane	0.1203	0.1304		8	0-30	PASS
C	c-1,3-Dichloropropene	0.3410	0.3813		12	0-30	PASS
C	c-1,2-Dichloroethene	0.8431	0.9186		9	0-30	PASS
C	t-1,2-Dichloroethene	0.8158	0.8892		9	0-45	PASS
C	t-1,3-Dichloropropene	0.2883	0.3255		13	0-30	PASS
C	Ethanol	0.1189	0.1316		11	0-30	PASS
C	Ethyl Acetate	0.0870	0.0977		12	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.3532	2.5010		6	0-45	PASS
C	Ethylbenzene	1.1429	1.2550		10	0-30	PASS
C	4-Ethyltoluene	1.3849	1.4236		3	0-45	PASS
C	Heptane	0.0565	0.0614		9	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9599	1.0079		5	0-30	PASS
C	Hexane	1.0035	1.1023		10	0-30	PASS
C	2-Hexanone	0.4184	0.4415		6	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8722	1.9869		6	0-30	PASS
C	Methylene Chloride	0.6879	0.6978		1	0-30	PASS
C	4-Methyl-2-Pentanone	0.2074	0.2244		8	0-30	PASS
C	Naphthalene	2.8310	2.8421		0	0-30	PASS
C	o-Xylene	0.9076	0.9961		10	0-30	PASS
C	p/m-Xylene	0.9049	1.0266		14	0-30	PASS
C	Propene	0.4296	0.5520		29	0-30	PASS
C	Styrene	0.6584	0.6948		6	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.5485	0.5536		1	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.4025	1.5342		9	0-45	PASS
C	Tetrachloroethene	0.5536	0.6177		12	0-30	PASS
C	Tetrahydrofuran	0.6338	0.7338		16	0-30	PASS
C	Toluene	1.0152	1.0826		7	0-30	PASS
C	Trichloroethene	0.3027	0.3381		12	0-30	PASS
C	Trichlorofluoromethane	1.6129	1.5242		6	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5266	1.7233		13	0-30	PASS
C	1,1,1-Trichloroethane	1.7885	1.9723		10	0-30	PASS
C	1,1,2-Trichloroethane	0.2155	0.2387		11	0-30	PASS
C	n-Propylbenzene	1.7201	1.7202		0	0-30	PASS
C	Isopropylbenzene	1.3790	1.4265		3	0-30	PASS
C	2-Chlorotoluene	0.8667	0.9152		6	0-30	PASS
C	Acrolein	0.1464	0.1665		14	0-30	PASS
C	Acrylonitrile	0.5026	0.6162		23	0-30	PASS
C	Methyl Methacrylate	0.1762	0.2244		27	0-30	PASS
C	Propane	0.1586	0.2014		27	0-30	PASS
C	Butane	0.4585	0.5028		10	0-30	PASS
C	Methanol	0.0558	0.0564		1	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.1019	1.2344		12	0-30	PASS
C	Isobutane	0.5228	0.5801		11	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.5787	0.6359		10	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2490	1.2829		3	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.7498	0.7898		5	0-30	PASS
C	1,2,4-Trimethylbenzene	1.3155	1.3574		3	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1487	1.2370		8	0-30	PASS
C	Vinyl Acetate	1.6244	1.8311		13	0-30	PASS
C	Vinyl Chloride	0.4511	0.4964		10	0-30	PASS
C	1,1-Difluoroethane	0.7520	0.8505		13	0-30	PASS
C	Isopropanol	0.7732	0.6920		11	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120330A
CCV DATE ANALYZED: 3/30/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2062	0.1832		11	0-45	PASS
C	Benzene	0.6095	0.6075		0	0-30	PASS
C	Benzyl Chloride	0.9519	0.8795		8	0-30	PASS
C	Bromodichloromethane	0.5040	0.5162		2	0-45	PASS
C	Bromoform	0.5546	0.5618		1	0-30	PASS
C	Bromomethane	0.4538	0.4714		4	0-30	PASS
C	1,3-Butadiene	0.3051	0.3240		6	0-30	PASS
C	2-Butanone	1.2048	1.2261		2	0-30	PASS
C	Carbon Disulfide	1.9597	1.9583		0	0-30	PASS
C	Carbon Tetrachloride	0.5301	0.5421		2	0-30	PASS
C	Chlorobenzene	0.7301	0.6978		4	0-30	PASS
C	Chloroethane	0.1854	0.1950		5	0-30	PASS
C	Chloroform	1.7587	1.7797		1	0-30	PASS
C	Chloromethane	0.3281	0.3232		1	0-30	PASS
C	Cyclohexane	0.3345	0.3388		1	0-30	PASS
C	Dibromochloromethane	0.6652	0.6793		2	0-45	PASS
C	Dichlorodifluoromethane	1.6559	1.6245		2	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.1011	1.8872		10	0-45	PASS
C	1,1-Dichloroethane	1.3972	1.4039		0	0-30	PASS
C	1,1-Dichloroethene	1.1376	1.1800		4	0-30	PASS
C	1,2-Dibromoethane	0.5619	0.5584		1	0-30	PASS
C	Dichlorotetrafluoroethane	1.3315	1.3576		2	0-30	PASS
C	1,2-Dichlorobenzene	1.0950	0.8938		18	0-30	PASS
C	1,2-Dichloroethane	1.1916	1.1934		0	0-30	PASS
C	1,2-Dichloropropane	0.2316	0.2322		0	0-30	PASS
C	1,3-Dichlorobenzene	0.9766	0.8374		14	0-30	PASS
C	1,4-Dichlorobenzene	0.9992	0.8363		16	0-30	PASS
C	1,4-Dioxane	0.1203	0.1143		5	0-30	PASS
C	c-1,3-Dichloropropene	0.3410	0.3505		3	0-30	PASS
C	c-1,2-Dichloroethene	0.8431	0.8456		0	0-30	PASS
C	t-1,2-Dichloroethene	0.8158	0.8214		1	0-45	PASS
C	t-1,3-Dichloropropene	0.2883	0.2996		4	0-30	PASS
C	Ethanol	0.1189	0.1173		1	0-30	PASS
C	Ethyl Acetate	0.0870	0.0909		5	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120330A
CCV DATE ANALYZED: 3/30/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.3532	2.3526		0	0-45	PASS
C	Ethylbenzene	1.1429	1.1158		2	0-30	PASS
C	4-Ethyltoluene	1.3849	1.2004		13	0-45	PASS
C	Heptane	0.0565	0.0560		1	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9599	0.9328		3	0-30	PASS
C	Hexane	1.0035	1.0073		0	0-30	PASS
C	2-Hexanone	0.4184	0.3918		6	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8722	1.8530		1	0-30	PASS
C	Methylene Chloride	0.6879	0.6454		6	0-30	PASS
C	4-Methyl-2-Pentanone	0.2074	0.2030		2	0-30	PASS
C	Naphthalene	2.8310	2.6263		7	0-30	PASS
C	o-Xylene	0.9076	0.8704		4	0-30	PASS
C	p/m-Xylene	0.9049	0.9100		1	0-30	PASS
C	Propene	0.4296	0.4953		15	0-30	PASS
C	Styrene	0.6584	0.6073		8	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.5485	0.5397		2	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.4025	1.4298		2	0-45	PASS
C	Tetrachloroethene	0.5536	0.5631		2	0-30	PASS
C	Tetrahydrofuran	0.6338	0.6632		5	0-30	PASS
C	Toluene	1.0152	0.9884		3	0-30	PASS
C	Trichloroethene	0.3027	0.3085		2	0-30	PASS
C	Trichlorofluoromethane	1.6129	1.3813		14	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5266	1.5745		3	0-30	PASS
C	1,1,1-Trichloroethane	1.7885	1.8151		1	0-30	PASS
C	1,1,2-Trichloroethane	0.2155	0.2155		0	0-30	PASS
C	n-Propylbenzene	1.7201	1.4635		15	0-30	PASS
C	Isopropylbenzene	1.3790	1.2280		11	0-30	PASS
C	2-Chlorotoluene	0.8667	0.7721		11	0-30	PASS
C	Acrolein	0.1464	0.1499		2	0-30	PASS
C	Acrylonitrile	0.5026	0.5335		6	0-30	PASS
C	Methyl Methacrylate	0.1762	0.2047		16	0-30	PASS
C	Propane	0.1586	0.1809		14	0-30	PASS
C	Butane	0.4585	0.4712		3	0-30	PASS
C	Methanol	0.0558	0.0498		11	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120330A
CCV DATE ANALYZED: 3/30/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.1019	1.1166		1	0-30	PASS
C	Isobutane	0.5228	0.5381		3	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.5787	0.5850		1	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2490	1.0897		13	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.7498	0.6759		10	0-30	PASS
C	1,2,4-Trimethylbenzene	1.3155	1.1476		13	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1487	1.1467		0	0-30	PASS
C	Vinyl Acetate	1.6244	1.6588		2	0-30	PASS
C	Vinyl Chloride	0.4511	0.4774		6	0-30	PASS
C	1,1-Difluoroethane	0.7520	0.7708		2	0-30	PASS
C	Isopropanol	0.7732	0.6154		20	0-30	PASS

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-1882

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 04/11/2012 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:	12-03-1882
		Project Name:	Omega - SVE1
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_032612						
Benzene	**0.56**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloroform	**20**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.79**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**3.4**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**310**		5.5	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**27**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**8700**		140	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**180**		5.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**30**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**200**		16	ppb (v/v)	EPA TO-15	N/A
1,1,1-Trichloroethane	**15**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloroethane	**3.6**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE_MID_GAC_032612						
Chloroform	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.88**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**0.84**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**280**		5.9	ppb (v/v)	EPA TO-15	N/A
Methylene Chloride	**5.3**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**28**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**21**		1.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE_EFF_GAC_032612						
Dichlorodifluoromethane	**1.8**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**44**		0.50	ppb (v/v)	EPA TO-15	N/A
Methylene Chloride	**6.6**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**0.71**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**36**		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:	12-03-1882
		Project Name:	Omega - SVE1
		Received:	03/28/12 14:45
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE_INF_GAC_032612						
Benzene	**1.8**		1.6	ug/m3	EPA TO-15	N/A
Chloroform	**99**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**14**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1200**		22	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**110**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**59000**		940	ug/m3	EPA TO-15	N/A
Trichloroethene	**980**		30	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**170**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1500**		130	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	**83**		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloroethane	**20**		2.7	ug/m3	EPA TO-15	N/A
OC_SVE_MID_GAC_032612						
Chloroform	**5.0**		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**4.4**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**3.4**		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1100**		23	ug/m3	EPA TO-15	N/A
Methylene Chloride	**18**		17	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**160**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**160**		11	ug/m3	EPA TO-15	N/A
OC_SVE_EFF_GAC_032612						
Dichlorodifluoromethane	**8.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**180**		2.0	ug/m3	EPA TO-15	N/A
Methylene Chloride	**23**		17	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4.8**		3.4	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**200**		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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1882
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_032612	**12-03-1882-1-A**	**03/26/12 16:23**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 21:59**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.56	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	8700	140	276	
Carbon Tetrachloride	ND	0.50	1		Toluene	ND	0.50	1	
Chloroform	20	0.50	1		Trichloroethene	180	5.5	11	
Dichlorodifluoromethane	0.79	0.50	1		Trichlorofluoromethane	30	1.0	1	
1,1-Dichloroethane	3.4	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	200	16	11	
1,1-Dichloroethene	310	5.5	11		1,1,1-Trichloroethane	15	0.50	1	
1,2-Dichloroethane	27	0.50	1		1,1,2-Trichloroethane	3.6	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	98	47-137	
Toluene-d8	98	78-156					

OC_SVE_MID_GAC_032612	**12-03-1882-2-A**	**03/26/12 16:18**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 21:05**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	5.3	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	1.0	0.50	1		Trichloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.88	0.50	1		Trichlorofluoromethane	28	1.0	1	
1,1-Dichloroethane	0.84	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	21	1.5	1	
1,1-Dichloroethene	280	5.9	11.8		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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1882
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_032612	**12-03-1882-3-A**	**03/26/12 16:13**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 20:12**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	6.6	5.0	1	
2-Butanone	ND	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	0.71	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	1.8	0.50	1		Trichlorofluoromethane	36	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	44	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	97	78-156					

Method Blank	**095-01-021-9,921**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 13:16**	**120328L01**

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	97	57-129		1,2-Dichloroethane-d4	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1882
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	**095-01-021-9,922**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 14:18**	**120329L01**

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	95	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-9,925**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/31/12 13:48**	**120331L01**

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	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1882
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_032612	**12-03-1882-1-A**	**03/26/12 16:23**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 21:59**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.8	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	59000	940	276	
Carbon Tetrachloride	ND	3.1	1		Toluene	ND	1.9	1	
Chloroform	99	2.4	1		Trichloroethene	980	30	11	
Dichlorodifluoromethane	3.9	2.5	1		Trichlorofluoromethane	170	5.6	1	
1,1-Dichloroethane	14	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	1500	130	11	
1,1-Dichloroethene	1200	22	11		1,1,1-Trichloroethane	83	2.7	1	
1,2-Dichloroethane	110	2.0	1		1,1,2-Trichloroethane	20	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	98	47-137	
Toluene-d8	98	78-156					

OC_SVE_MID_GAC_032612	**12-03-1882-2-A**	**03/26/12 16:18**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 21:05**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	18	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	5.0	2.4	1		Trichloroethene	ND	2.7	1	
Dichlorodifluoromethane	4.4	2.5	1		Trichlorofluoromethane	160	5.6	1	
1,1-Dichloroethane	3.4	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	160	11	1	
1,1-Dichloroethene	1100	23	11.8		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	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1882
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_032612	**12-03-1882-3-A**	**03/26/12 16:13**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 20:12**	**120328L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	23	17	1	
2-Butanone	ND	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	4.8	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	8.9	2.5	1		Trichlorofluoromethane	200	5.6	1	
1,1-Dichloroethane	ND	2.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1	
1,1-Dichloroethene	180	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	97	78-156					

Method Blank	**095-01-021-9,921**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/28/12 13:16**	**120328L01**

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	97	57-129		1,2-Dichloroethane-d4	97	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:	03/28/12
1322 Scott Street, Suite 104		Work Order No:	12-03-1882
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	**095-01-021-9,922**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/29/12 14:18**	**120329L01**

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	95	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-9,925**	**N/A**	**Air**	**GC/MS HH**	**N/A**	**03/31/12 13:48**	**120331L01**

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	97	47-137	
Toluene-d8	97	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,921	**Air**	**GC/MS HH**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	100	100	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	94	93	50-150	33-167	1	0-35	
Acetone	25.00	91	90	50-150	33-167	1	0-35	
Benzene	25.00	109	108	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	93	95	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	108	108	50-150	33-167	0	0-35	
Bromoform	25.00	107	108	62-134	50-146	1	0-38	
Bromomethane	25.00	102	103	50-150	33-167	0	0-35	
1,3-Butadiene	25.00	106	107	50-150	33-167	0	0-35	
2-Butanone	25.00	108	107	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	107	107	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	107	106	64-154	49-169	1	0-32	
Chlorobenzene	25.00	106	107	50-150	33-167	1	0-35	
Chloroethane	25.00	105	104	50-150	33-167	1	0-35	
Chloroform	25.00	108	107	50-150	33-167	1	0-35	
Chloromethane	25.00	107	107	50-150	33-167	0	0-35	
Cyclohexane	25.00	109	109	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	108	109	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	105	106	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	96	95	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	108	108	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	110	109	50-150	33-167	0	0-35	
1,2-Dibromoethane	25.00	107	109	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	104	104	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	87	89	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	107	106	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	108	107	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	93	92	50-150	33-167	0	0-35	
1,4-Dichlorobenzene	25.00	91	91	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	107	109	50-150	33-167	2	0-35	
c-1,3-Dichloropropene	25.00	110	111	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	110	110	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	110	109	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,921	**Air**	**GC/MS HH**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	112	111	50-150	33-167	1	0-35	
Ethanol	100.0	107	107	50-150	33-167	0	0-35	
Ethyl Acetate	25.00	113	112	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	108	108	50-150	33-167	0	0-35	
Ethylbenzene	25.00	107	107	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	95	95	50-150	33-167	1	0-35	
Heptane	25.00	110	108	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	95	100	50-150	33-167	5	0-35	
Hexane	25.00	104	103	50-150	33-167	1	0-35	
2-Hexanone	25.00	100	102	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	108	108	50-150	33-167	0	0-35	
Methylene Chloride	25.00	102	101	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	106	105	50-150	33-167	1	0-35	
Naphthalene	25.00	94	99	40-190	15-215	5	0-35	
o-Xylene	25.00	105	105	52-148	36-164	0	0-38	
p/m-Xylene	50.00	107	108	42-156	23-175	1	0-41	
Propene	25.00	121	121	50-150	33-167	0	0-35	
Styrene	25.00	103	104	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	107	107	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	110	110	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	109	111	56-152	40-168	2	0-40	
Tetrahydrofuran	25.00	111	110	50-150	33-167	1	0-35	
Toluene	25.00	105	106	56-146	41-161	1	0-43	
Trichloroethene	25.00	108	108	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	87	86	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	109	109	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	108	108	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	109	109	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	98	97	50-150	33-167	1	0-35	
Acrolein	25.00	107	105	50-150	33-167	2	0-35	
Acrylonitrile	25.00	130	129	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	111	110	50-150	33-167	1	0-35	
Propane	50.00	120	120	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,921	**Air**	**GC/MS HH**	**N/A**	**03/28/12**	**120328L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	107	107	50-150	33-167	0	0-35	
Methanol	75.00	105	103	50-150	33-167	3	0-35	
2,2,4-Trimethyl Pentane	25.00	107	107	50-150	33-167	0	0-35	
Isobutane	50.00	109	109	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	25.00	109	109	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	95	94	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	98	97	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	94	94	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	100	104	50-150	33-167	4	0-35	
Vinyl Acetate	25.00	109	108	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	107	107	45-177	23-199	0	0-36	
1,1-Difluoroethane	25.00	108	108	50-150	33-167	0	0-35	
Isopropanol	25.00	85	85	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	101	99	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,922	**Air**	**GC/MS HH**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	113	96	50-150	33-167	16	0-35	
n-Propylbenzene	25.00	107	91	50-150	33-167	16	0-35	
Acetone	25.00	100	94	50-150	33-167	6	0-35	
Benzene	25.00	117	107	60-156	44-172	8	0-40	
Benzyl Chloride	25.00	109	93	50-150	33-167	16	0-35	
Bromodichloromethane	25.00	119	109	50-150	33-167	8	0-35	
Bromoform	25.00	126	106	62-134	50-146	17	0-38	
Bromomethane	25.00	112	106	50-150	33-167	6	0-35	
1,3-Butadiene	25.00	116	111	50-150	33-167	4	0-35	
2-Butanone	25.00	118	110	50-150	33-167	7	0-35	
Carbon Disulfide	25.00	114	107	50-150	33-167	6	0-35	
Carbon Tetrachloride	25.00	118	108	64-154	49-169	9	0-32	
Chlorobenzene	25.00	120	103	50-150	33-167	16	0-35	
Chloroethane	25.00	116	108	50-150	33-167	7	0-35	
Chloroform	25.00	115	108	50-150	33-167	7	0-35	
Chloromethane	25.00	116	112	50-150	33-167	3	0-35	
Cyclohexane	25.00	119	110	50-150	33-167	8	0-35	
Dibromochloromethane	25.00	127	107	50-150	33-167	17	0-35	
Dichlorodifluoromethane	25.00	116	112	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	104	98	50-150	33-167	6	0-35	
1,1-Dichloroethane	25.00	115	109	50-150	33-167	6	0-35	
1,1-Dichloroethene	25.00	119	111	50-150	33-167	7	0-35	
1,2-Dibromoethane	25.00	125	105	54-144	39-159	17	0-36	
Dichlorotetrafluoroethane	25.00	114	110	50-150	33-167	4	0-35	
1,2-Dichlorobenzene	25.00	100	85	34-160	13-181	16	0-47	
1,2-Dichloroethane	25.00	114	107	69-153	55-167	7	0-35	
1,2-Dichloropropane	25.00	117	108	67-157	52-172	8	0-35	
1,3-Dichlorobenzene	25.00	105	89	50-150	33-167	17	0-35	
1,4-Dichlorobenzene	25.00	102	87	36-156	16-176	16	0-47	
1,4-Dioxane	25.00	114	104	50-150	33-167	9	0-35	
c-1,3-Dichloropropene	25.00	120	110	61-157	45-173	8	0-35	
c-1,2-Dichloroethene	25.00	114	109	50-150	33-167	5	0-35	
t-1,2-Dichloroethene	25.00	115	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,922	**Air**	**GC/MS HH**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	121	111	50-150	33-167	9	0-35	
Ethanol	100.0	117	110	50-150	33-167	7	0-35	
Ethyl Acetate	25.00	120	112	50-150	33-167	6	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	115	109	50-150	33-167	5	0-35	
Ethylbenzene	25.00	122	104	52-154	35-171	16	0-38	
4-Ethyltoluene	25.00	107	92	50-150	33-167	15	0-35	
Heptane	25.00	117	109	50-150	33-167	7	0-35	
Hexachloro-1,3-Butadiene	25.00	118	98	50-150	33-167	18	0-35	
Hexane	25.00	112	106	50-150	33-167	5	0-35	
2-Hexanone	25.00	119	100	50-150	33-167	17	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	113	108	50-150	33-167	5	0-35	
Methylene Chloride	25.00	107	101	50-150	33-167	6	0-35	
4-Methyl-2-Pentanone	25.00	115	105	50-150	33-167	9	0-35	
Naphthalene	25.00	112	96	40-190	15-215	16	0-35	
o-Xylene	25.00	120	102	52-148	36-164	16	0-38	
p/m-Xylene	50.00	126	107	42-156	23-175	16	0-41	
Propene	25.00	133	128	50-150	33-167	4	0-35	
Styrene	25.00	117	100	50-150	33-167	16	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	113	106	50-150	33-167	7	0-35	
Tert-Butyl Alcohol (TBA)	50.00	118	111	50-150	33-167	5	0-35	
Tetrachloroethene	25.00	127	108	56-152	40-168	16	0-40	
Tetrahydrofuran	25.00	120	113	50-150	33-167	6	0-35	
Toluene	25.00	121	104	56-146	41-161	16	0-43	
Trichloroethene	25.00	119	109	63-159	47-175	9	0-34	
Trichlorofluoromethane	25.00	97	89	50-150	33-167	8	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	117	110	50-150	33-167	6	0-35	
1,1,1-Trichloroethane	25.00	114	108	50-150	33-167	6	0-35	
1,1,2-Trichloroethane	25.00	117	108	65-149	51-163	8	0-37	
1,2,3-Trichloropropane	25.00	112	95	50-150	33-167	16	0-35	
Acrolein	25.00	117	110	50-150	33-167	7	0-35	
Acrylonitrile	25.00	139	131	50-150	33-167	5	0-35	
Methyl Methacrylate	25.00	120	110	50-150	33-167	9	0-35	
Propane	50.00	134	131	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,922	**Air**	**GC/MS HH**	**N/A**	**03/29/12**	**120329L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	115	108	50-150	33-167	6	0-35	
Methanol	75.00	106	101	50-150	33-167	5	0-35	
2,2,4-Trimethyl Pentane	25.00	118	108	50-150	33-167	9	0-35	
Isobutane	50.00	117	111	50-150	33-167	5	0-35	
1,1,1,2-Tetrafluoroethane	25.00	116	109	50-150	33-167	6	0-35	
1,3,5-Trimethylbenzene	25.00	107	92	50-150	33-167	15	0-35	
1,1,2,2-Tetrachloroethane	25.00	113	96	50-150	33-167	16	0-35	
1,2,4-Trimethylbenzene	25.00	106	91	50-150	33-167	15	0-35	
1,2,4-Trichlorobenzene	25.00	120	102	50-150	33-167	16	0-35	
Vinyl Acetate	25.00	118	111	50-150	33-167	7	0-35	
Vinyl Chloride	25.00	116	112	45-177	23-199	3	0-36	
1,1-Difluoroethane	25.00	118	110	50-150	33-167	7	0-35	
Isopropanol	25.00	93	87	50-150	33-167	6	0-35	
2-Chlorotoluene	25.00	112	96	50-150	33-167	15	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,925	**Air**	**GC/MS HH**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	102	102	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	94	94	50-150	33-167	0	0-35	
Acetone	25.00	90	92	50-150	33-167	2	0-35	
Benzene	25.00	111	112	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	82	83	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	110	110	50-150	33-167	1	0-35	
Bromoform	25.00	105	106	62-134	50-146	1	0-38	
Bromomethane	25.00	108	101	50-150	33-167	7	0-35	
1,3-Butadiene	25.00	111	104	50-150	33-167	6	0-35	
2-Butanone	25.00	112	113	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	108	110	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	106	107	64-154	49-169	1	0-32	
Chlorobenzene	25.00	109	110	50-150	33-167	1	0-35	
Chloroethane	25.00	109	105	50-150	33-167	3	0-35	
Chloroform	25.00	110	110	50-150	33-167	1	0-35	
Chloromethane	25.00	113	107	50-150	33-167	6	0-35	
Cyclohexane	25.00	112	113	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	108	110	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	112	104	50-150	33-167	8	0-35	
Diisopropyl Ether (DIPE)	25.00	99	100	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	111	112	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	111	113	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	111	112	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	109	101	50-150	33-167	8	0-35	
1,2-Dichlorobenzene	25.00	85	84	34-160	13-181	0	0-47	
1,2-Dichloroethane	25.00	109	110	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	111	112	67-157	52-172	2	0-35	
1,3-Dichlorobenzene	25.00	89	90	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	88	88	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	107	111	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	112	114	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	113	114	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	113	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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,925	**Air**	**GC/MS HH**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	113	113	50-150	33-167	1	0-35	
Ethanol	100.0	110	111	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	115	116	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	113	114	50-150	33-167	1	0-35	
Ethylbenzene	25.00	111	111	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	95	94	50-150	33-167	1	0-35	
Heptane	25.00	112	113	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	100	102	50-150	33-167	2	0-35	
Hexane	25.00	106	107	50-150	33-167	1	0-35	
2-Hexanone	25.00	102	105	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	112	114	50-150	33-167	1	0-35	
Methylene Chloride	25.00	104	106	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	109	110	50-150	33-167	1	0-35	
Naphthalene	25.00	99	101	40-190	15-215	2	0-35	
o-Xylene	25.00	108	108	52-148	36-164	0	0-38	
p/m-Xylene	50.00	110	111	42-156	23-175	1	0-41	
Propene	25.00	70	128	50-150	33-167	59	0-35	X
Styrene	25.00	108	108	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	111	113	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	112	115	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	112	114	56-152	40-168	2	0-40	
Tetrahydrofuran	25.00	114	115	50-150	33-167	1	0-35	
Toluene	25.00	108	109	56-146	41-161	1	0-43	
Trichloroethene	25.00	111	112	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	87	88	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	111	112	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	109	110	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	112	114	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	99	99	50-150	33-167	0	0-35	
Acrolein	25.00	107	108	50-150	33-167	0	0-35	
Acrylonitrile	25.00	111	136	50-150	33-167	20	0-35	
Methyl Methacrylate	25.00	114	115	50-150	33-167	1	0-35	
Propane	50.00	78	130	50-150	33-167	50	0-35	X

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: 12-03-1882
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,925	**Air**	**GC/MS HH**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	109	107	50-150	33-167	2	0-35	
Methanol	75.00	104	116	50-150	33-167	11	0-35	
2,2,4-Trimethyl Pentane	25.00	109	110	50-150	33-167	1	0-35	
Isobutane	50.00	113	111	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	111	112	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	94	94	50-150	33-167	0	0-35	
1,1,2,2-Tetrachloroethane	25.00	98	98	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	91	91	50-150	33-167	0	0-35	
1,2,4-Trichlorobenzene	25.00	105	106	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	112	113	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	112	104	45-177	23-199	8	0-36	
1,1-Difluoroethane	25.00	111	113	50-150	33-167	1	0-35	
Isopropanol	25.00	86	105	50-150	33-167	20	0-35	
2-Chlorotoluene	25.00	101	101	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: **12-03-1882**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE_INF_GAC_032612	-2.00	-29.50	SLC118	Summa Canister 1L
OC_SVE_MID_GAC_032612	-2.00	-29.60	LC509	Summa Canister 1L
OC_SVE_EFF_GAC_032612	-2.00	-29.50	LC374	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-1882

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: 03/26/12
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: 12-03-1882

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_032612	SP-INF-GAC	SV	1382	1L	NA	3/26/2012	1620	-30	3/26/2012	1623	-2	x				
2	OC_SVE_MID_GAC_032612	SP-MID-GAC	SV	1491	1L	NA	3/26/2012	1615	-30	3/26/2012	1618	-2	x				
3	OC_SVE_EFF_GAC_032612	SP-EFF-GAC	SV	1637	1L	NA	3/26/2012	1610	-30	3/26/2012	1613	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	3/28/12	1208
		3/28/12	1445

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-1882

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMIS

DATE: 03/28/12

TEMPERATURE: Thermometer ID: SC3 (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:** 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.

CEL Work Order #12-03-1882

Client: de maximis, inc.

Omega

QA Summaries

Initial Calibration
Instrument Tune
Continuing Calibration

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-750

Response Factor Report GCMS HH

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 120326.M
Title :
Last Update : Mon Mar 26 17:34:10 2012
Response Via : Initial Calibration

Calibration Files
1 =26MAR06.D 2 =26MAR05.D 3 =26MAR04.D 4 =26MAR03.D 5 =26MAR02.D 6 =26MAR08.D
7 =26MAR07.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)		1,1,1,2-Tetraf...	0.572	0.586	0.617	0.596	0.598	0.567	0.515	0.579	5.66
3)		1,1-Difluoroet...		0.794	0.809	0.780	0.789	0.709	0.631	0.752	9.12
4)		Propene			0.328	0.531	0.512	0.427	0.350	0.430	21.34
5)		Propane			0.132	0.215	0.190	0.146	0.110	0.159	27.11
6)		Dichlorodifluo...	1.800	1.735	1.962	1.624	1.736	1.452	1.282	1.656	13.73
7)		Chloromethane	0.343	0.319	0.369	0.314	0.334	0.317	0.301	0.328	6.91
8)		Dichlorotetraf...	1.587	1.421	1.622	1.265	1.354	1.138	0.934	1.332	18.34
9)		Isobutane		0.559	0.585	0.533	0.544	0.497	0.418	0.523	11.28
10)		Methanol			0.055	0.053	0.052	0.060	0.060	0.056	7.25
11)		Vinyl Chloride	0.471	0.448	0.520	0.420	0.466	0.433	0.400	0.451	8.75
12)		1,3-Butadiene		0.298	0.351	0.295	0.316	0.294	0.277	0.305	8.44
13)		Butane	0.492	0.467	0.497	0.461	0.474	0.443	0.409	0.463	6.50
14)		Bromomethane	0.463	0.454	0.514	0.450	0.455	0.430	0.410	0.454	7.08
15)		Chloroethane	0.171	0.186	0.207	0.186	0.190	0.181	0.177	0.185	6.16
16)		Ethanol		0.118	0.128	0.116	0.116	0.120	0.115	0.119	3.98
17)		Acrolein		0.129	0.148	0.147	0.152	0.150	0.152	0.146	5.80
18)		Acetone		0.228	0.190	0.179	0.181	0.175	0.283	0.206	20.51
19)		Trichlorofluor...	1.445	2.131	1.457	1.393	1.402	1.487	1.975	1.613	18.95
20)		Isopropanol		0.996	0.665	0.632	0.629	0.879	0.837	0.773	19.78
21)		Acrylonitrile	0.233	0.545	0.294	0.561	0.570	0.542	0.503	0.464	30.10
22)		1,1-Dichloroet...	1.253	1.273	0.954	1.246	1.219	1.069	0.949	1.138	12.64
23)		Methylene Chlo...		0.848	0.696	0.671	0.669	0.641	0.602	0.688	12.30
24)		Tert-Butyl Alc...		1.527	1.438	1.558	1.485	1.326	1.082	1.403	12.59
25)		1,1,2-Trichlor...		1.631	1.674	1.633	1.618	1.426	1.176	1.527	12.61
26)		Carbon Disulfide	2.116	2.134	2.182	2.109	2.026	1.742	1.409	1.960	14.46
27)		t-1,2-Dichloro...	0.748	0.802	0.864	0.846	0.862	0.823	0.767	0.816	5.61
28)		1,1-Dichloroet...	1.365	1.406	1.487	1.441	1.458	1.372	1.252	1.397	5.57
29)		Methyl-t-Butyl...		1.820	1.949	1.886	1.943	1.911	1.724	1.872	4.62
30)		Vinyl Acetate		1.627	1.773	1.708	1.721	1.550	1.368	1.624	9.12
31)		2-Butanone		1.228	1.328	1.255	1.255	1.143	1.020	1.205	8.99
32)		c-1,2-Dichloro...	0.777	0.824	0.885	0.864	0.881	0.860	0.811	0.843	4.78
33)		Hexane	1.148	1.179	1.207	1.113	1.027	0.821	0.674	1.024	19.71
34)		Diisopropyl Et...		2.438	2.404	2.147	1.940	1.577		2.101	16.96
35)		Ethyl Acetate			0.094	0.091	0.093	0.085	0.071	0.087	11.20
36)		Chloroform	1.716	1.730	1.856	1.800	1.845	1.749	1.615	1.759	4.75
37)		Tetrahydrofuran		0.619	0.699	0.666	0.671	0.612	0.537	0.634	9.13
38)		Ethyl-t-Butyl ...		2.404	2.555	2.425	2.451	2.316	1.967	2.353	8.67
39)	S	1,2-Dichloroet...	1.370	1.364	1.366	1.348	1.359	1.338	1.384	1.361	1.09

Response Factor Report GCMS HH

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 120326.M
Title :

40)		1,2-Dichloroet...	1.147	1.171	1.235	1.201	1.238	1.189	1.160	1.192	2.99
41)		1,1,1-Trichlor...	1.662	1.689	1.835	1.820	1.888	1.861	1.765	1.789	4.82
42)	I	1,4-Difluorobenzene	----------ISTD----------								
43)		Benzene	0.585	0.609	0.638	0.624	0.637	0.607	0.566	0.609	4.37
44)		Carbon Tetrach...	0.486	0.499	0.547	0.541	0.569	0.549	0.520	0.530	5.59
45)		Cyclohexane		0.350	0.366	0.354	0.352	0.312	0.265	0.333	11.40
46)		Tert-Amyl-Meth...		0.521	0.573	0.557	0.580	0.561	0.501	0.548	5.67
47)		1,2-Dichloropr...	0.234	0.238	0.247	0.238	0.241	0.224	0.200	0.232	6.75
48)		Bromodichlorom...	0.462	0.485	0.526	0.519	0.540	0.512	0.484	0.504	5.47
49)		Trichloroethene	0.295	0.302	0.319	0.314	0.322	0.299	0.268	0.303	6.16
50)		2,2,4-Trimethy...	1.200	1.221	1.238	1.184	1.162	0.991	0.816	1.116	13.96
51)		1,4-Dioxane			0.143	0.126	0.120	0.113	0.099	0.120	13.44
52)		Methyl Methacr...	0.176	0.200	0.212	0.207	0.213	0.205	0.194	0.201	6.45
53)		Heptane		0.053	0.058	0.058	0.060	0.058	0.053	0.056	5.40
54)		c-1,3-Dichloro...	0.291	0.315	0.351	0.352	0.368	0.362	0.348	0.341	8.13
55)		4-Methyl-2-Pen...		0.223	0.227	0.213	0.212	0.194	0.175	0.207	9.30
56)		t-1,3-Dichloro...	0.223	0.251	0.292	0.296	0.317	0.319	0.320	0.288	13.04
57)		1,1,2-Trichlor...	0.199	0.214	0.227	0.221	0.227	0.217	0.205	0.216	4.98
58)	S	Toluene-d8	0.844	0.845	0.856	0.848	0.843	0.859	0.892	0.855	2.02
59)	I	Chlorobenzene-d5	----------ISTD----------								
60)		Toluene	1.050	1.086	1.019	1.022	1.052	0.984	0.893	1.015	6.17
61)		2-Hexanone		0.499	0.463	0.445	0.425	0.368	0.311	0.418	16.30
62)		Dibromochlorom...	0.591	0.646	0.686	0.696	0.727	0.686	0.624	0.665	7.04
63)		1,2-Dibromoethane	0.524	0.555	0.578	0.578	0.598	0.570	0.530	0.562	4.84
64)		Tetrachloroethene	0.500	0.544	0.569	0.577	0.605	0.568	0.513	0.554	6.70
65)		Chlorobenzene	0.718	0.744	0.737	0.729	0.753	0.731	0.697	0.730	2.50
66)		Ethylbenzene	1.096	1.117	1.153	1.164	1.212	1.165	1.093	1.143	3.79
67)		p/m-Xylene	0.937	0.950	0.965	0.961	0.973	0.851	0.697	0.905	11.12
68)		Bromoform	0.500	0.532	0.585	0.595	0.616	0.556	0.499	0.555	8.39
69)		Styrene		0.649	0.652	0.650	0.673	0.667	0.659	0.658	1.52
70)		1,1,2,2-Tetrac...	0.836	0.799	0.794	0.762	0.750	0.711	0.597	0.750	10.43
71)		o-Xylene	0.910	0.922	0.918	0.910	0.953	0.906	0.834	0.908	3.96
72)		1,2,3-Trichlor...	0.544	0.518	0.532	0.507	0.507	0.503	0.478	0.513	4.17
73)	S	1,4-Bromofluor...	0.623	0.595	0.615	0.596	0.583	0.584	0.597	0.599	2.49
74)		Isopropylbenzene	1.528	1.459	1.349	1.319	1.372	1.348	1.279	1.379	6.23
75)		2-Chlorotoluene	0.853	0.828	0.901	0.868	0.877	0.886	0.854	0.867	2.76
76)		n-Propylbenzene	2.019	1.893	1.706	1.636	1.635	1.648	1.504	1.720	10.22
77)		4-Ethyltoluene	1.485	1.392	1.407	1.355	1.355	1.416	1.285	1.385	4.51
78)		1,3,5-Trimethy...	1.347	1.282	1.254	1.219	1.223	1.271	1.147	1.249	4.98
79)		1,2,4-Trimethy...		1.320	1.340	1.307	1.296	1.389	1.242	1.316	3.69
80)		Benzyl Chloride		0.781	0.927	0.989	0.999	1.124	0.891	0.952	12.14
81)		1,3-Dichlorobe...	1.087	1.022	1.005	0.977	0.948	0.970	0.827	0.977	8.19
82)		1,4-Dichlorobe...	1.066	0.990	0.995	0.972	0.953	1.066	0.952	0.999	4.86
83)		1,2-Dichlorobe...	1.237	1.158	1.094	1.061	1.024	1.111	0.980	1.095	7.81
84)		1,2,4-Trichlor...		1.348	0.985	1.093	1.217	1.099		1.149	12.05
85)		Naphthalene		3.964	2.414	2.576	2.754	2.447		2.831	22.87
86)		Hexachloro-1,3...		1.136	0.877	0.957	0.987	0.843		0.960	11.94

Response Factor Report GCMS HH

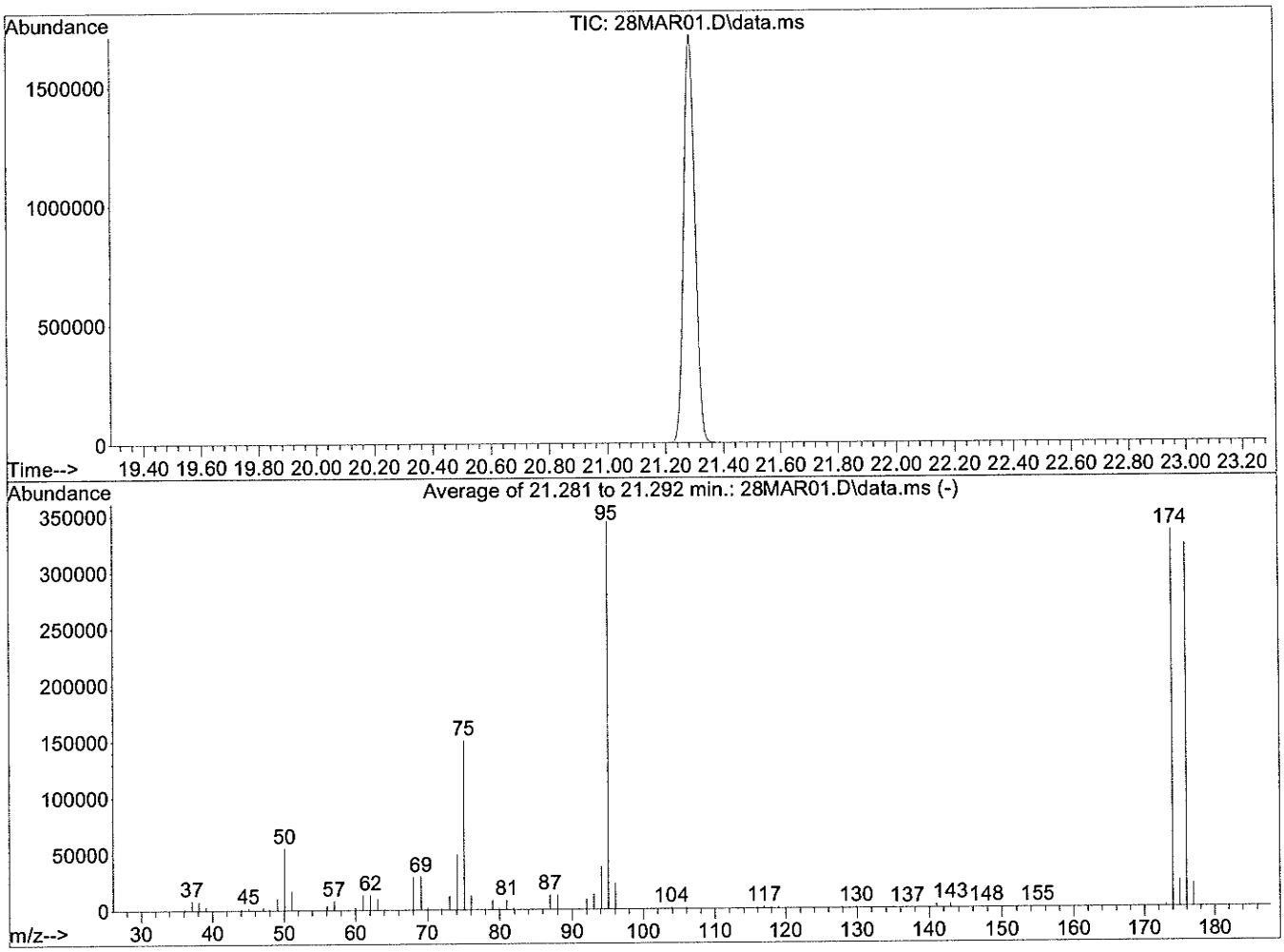
Method Path : C:\MSDCHEM\1\METHODS\
Method File : 120326.M
Title :

(#) = Out of Range

Data Path : W:\DATA\2012\120328\
Data File : 28MAR01.D
Acq On : 28 Mar 2012 9:39 am
Operator :
Sample : Tune Check
Misc : IS:A01-23-19 510
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\120326.M
Title :
Last Update : Mon Mar 26 17:34:10 2012



AutoFind: Scans 3951, 3952, 3953; Background Corrected with Scan 3937

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	55555	PASS
75	95	30	60	43.8	150891	PASS
95	95	100	100	100.0	344661	PASS
96	95	5	9	6.7	23096	PASS
173	174	0.00	2	0.7	2385	PASS
174	95	50	120	97.2	334912	PASS
175	174	5	9	7.2	24152	PASS
176	174	95	101	96.4	323008	PASS
177	176	5	9	6.4	20808	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2062	0.1932		6	0-45	PASS
C	Benzene	0.6095	0.6749		11	0-30	PASS
C	Benzyl Chloride	0.9519	0.9531		0	0-30	PASS
C	Bromodichloromethane	0.5040	0.5580		11	0-45	PASS
C	Bromoform	0.5546	0.6049		9	0-30	PASS
C	Bromomethane	0.4538	0.4733		4	0-30	PASS
C	1,3-Butadiene	0.3051	0.3312		9	0-30	PASS
C	2-Butanone	1.2048	1.3408		11	0-30	PASS
C	Carbon Disulfide	1.9597	2.1340		9	0-30	PASS
C	Carbon Tetrachloride	0.5301	0.5795		9	0-30	PASS
C	Chlorobenzene	0.7301	0.7827		7	0-30	PASS
C	Chloroethane	0.1854	0.1995		8	0-30	PASS
C	Chloroform	1.7587	1.9448		11	0-30	PASS
C	Chloromethane	0.3281	0.3547		8	0-30	PASS
C	Cyclohexane	0.3345	0.3723		11	0-30	PASS
C	Dibromochloromethane	0.6652	0.7428		12	0-45	PASS
C	Dichlorodifluoromethane	1.6559	1.8044		9	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.1011	2.0418		3	0-45	PASS
C	1,1-Dichloroethane	1.3972	1.5468		11	0-30	PASS
C	1,1-Dichloroethene	1.1376	1.2835		13	0-30	PASS
C	1,2-Dibromoethane	0.5619	0.6215		11	0-30	PASS
C	Dichlorotetrafluoroethane	1.3315	1.4231		7	0-30	PASS
C	1,2-Dichlorobenzene	1.0950	1.0480		4	0-30	PASS
C	1,2-Dichloroethane	1.1916	1.2975		9	0-30	PASS
C	1,2-Dichloropropane	0.2316	0.2527		9	0-30	PASS
C	1,3-Dichlorobenzene	0.9766	0.9699		1	0-30	PASS
C	1,4-Dichlorobenzene	0.9992	0.9749		2	0-30	PASS
C	1,4-Dioxane	0.1203	0.1324		10	0-30	PASS
C	c-1,3-Dichloropropene	0.3410	0.3790		11	0-30	PASS
C	c-1,2-Dichloroethene	0.8431	0.9476		12	0-30	PASS
C	t-1,2-Dichloroethene	0.8158	0.9167		12	0-45	PASS
C	t-1,3-Dichloropropene	0.2883	0.3217		12	0-30	PASS
C	Ethanol	0.1189	0.1285		8	0-30	PASS
C	Ethyl Acetate	0.0870	0.0996		15	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.3532	2.5817		10	0-45	PASS
C	Ethylbenzene	1.1429	1.2367		8	0-30	PASS
C	4-Ethyltoluene	1.3849	1.3822		0	0-45	PASS
C	Heptane	0.0565	0.0629		11	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9599	1.0270		7	0-30	PASS
C	Hexane	1.0035	1.0920		9	0-30	PASS
C	2-Hexanone	0.4184	0.4448		6	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8722	2.0498		9	0-30	PASS
C	Methylene Chloride	0.6879	0.7181		4	0-30	PASS
C	4-Methyl-2-Pentanone	0.2074	0.2245		8	0-30	PASS
C	Naphthalene	2.8310	2.9246		3	0-30	PASS
C	o-Xylene	0.9076	0.9637		6	0-30	PASS
C	p/m-Xylene	0.9049	0.9897		9	0-30	PASS
C	Propene	0.4296	0.5355		25	0-30	PASS
C	Styrene	0.6584	0.6850		4	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.5485	0.5917		8	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.4025	1.5584		11	0-45	PASS
C	Tetrachloroethene	0.5536	0.6240		13	0-30	PASS
C	Tetrahydrofuran	0.6338	0.7153		13	0-30	PASS
C	Toluene	1.0152	1.0974		8	0-30	PASS
C	Trichloroethene	0.3027	0.3368		11	0-30	PASS
C	Trichlorofluoromethane	1.6129	1.4475		10	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5266	1.7093		12	0-30	PASS
C	1,1,1-Trichloroethane	1.7885	1.9667		10	0-30	PASS
C	1,1,2-Trichloroethane	0.2155	0.2373		10	0-30	PASS
C	n-Propylbenzene	1.7201	1.6596		4	0-30	PASS
C	Isopropylbenzene	1.3790	1.3905		1	0-30	PASS
C	2-Chlorotoluene	0.8667	0.8883		2	0-30	PASS
C	Acrolein	0.1464	0.1604		10	0-30	PASS
C	Acrylonitrile	0.5026	0.6127		22	0-30	PASS
C	Methyl Methacrylate	0.1762	0.2266		29	0-30	PASS
C	Propane	0.1586	0.1963		24	0-30	PASS
C	Butane	0.4585	0.5005		9	0-30	PASS
C	Methanol	0.0558	0.0577		3	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

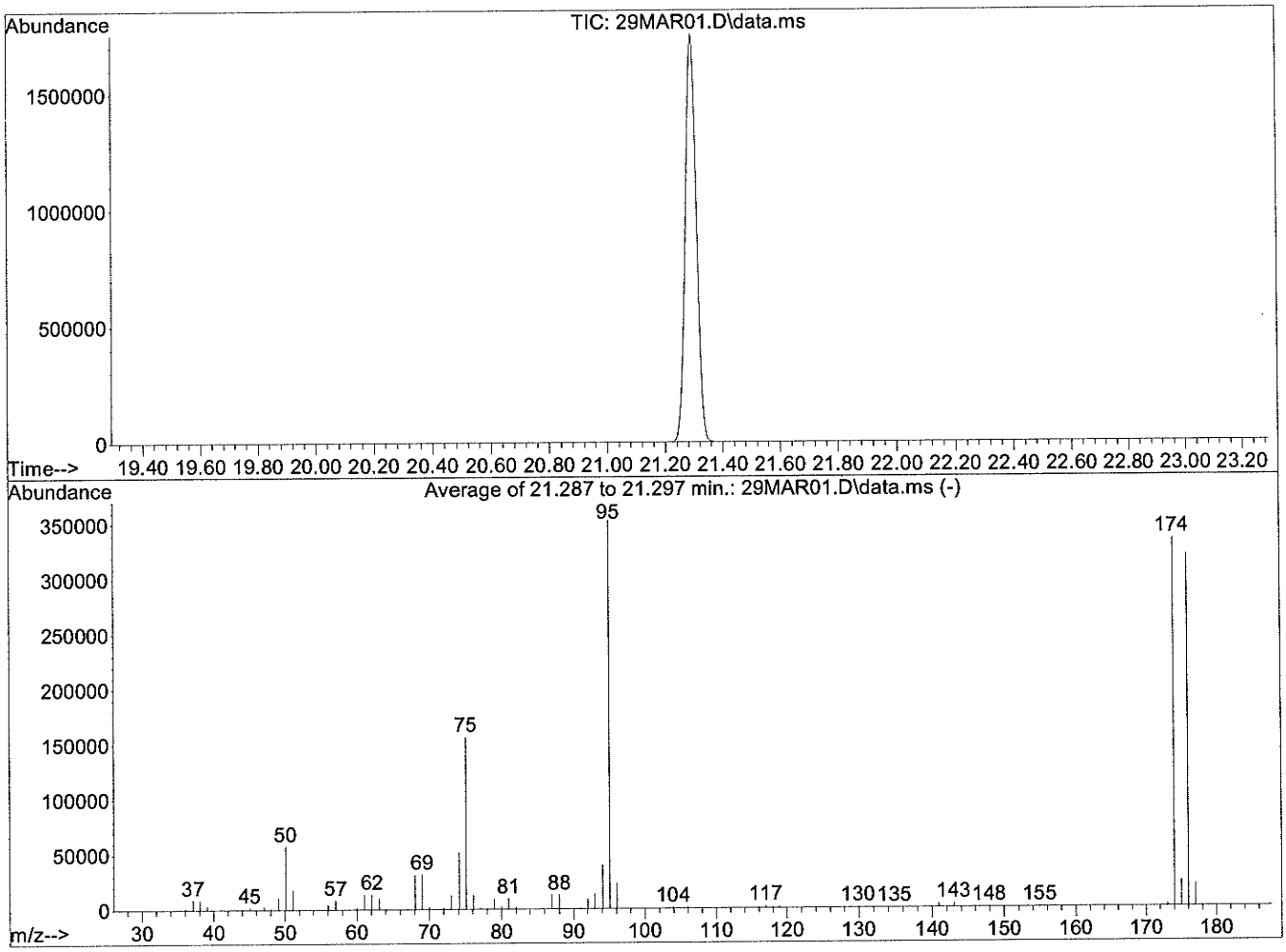
REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120328A
CCV DATE ANALYZED: 3/28/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.1019	1.2226		11	0-30	PASS
C	Isobutane	0.5228	0.5765		10	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.5787	0.6368		10	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2490	1.2494		0	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.7498	0.7637		2	0-30	PASS
C	1,2,4-Trimethylbenzene	1.3155	1.3224		1	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1487	1.2800		11	0-30	PASS
C	Vinyl Acetate	1.6244	1.8023		11	0-30	PASS
C	Vinyl Chloride	0.4511	0.4945		10	0-30	PASS
C	1,1-Difluoroethane	0.7520	0.8351		11	0-30	PASS
C	Isopropanol	0.7732	0.6701		13	0-30	PASS

Data Path : W:\DATA\2012\120329\
Data File : 29MAR01.D
Acq On : 29 Mar 2012 9:31 am
Operator :
Sample : Tune Check
Misc : IS:A01-23-19 510
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\120326.M
Title :
Last Update : Mon Mar 26 17:34:10 2012



AutoFind: Scans 3952, 3953, 3954; Background Corrected with Scan 3938

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	57923	PASS
75	95	30	60	44.4	156885	PASS
95	95	100	100	100.0	352960	PASS
96	95	5	9	6.7	23472	PASS
173	174	0.00	2	0.7	2461	PASS
174	95	50	120	94.9	335019	PASS
175	174	5	9	7.1	23827	PASS
176	174	95	101	95.7	320512	PASS
177	176	5	9	6.5	20928	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2062	0.2003		3	0-45	PASS
C	Benzene	0.6095	0.6619		9	0-30	PASS
C	Benzyl Chloride	0.9519	1.0031		5	0-30	PASS
C	Bromodichloromethane	0.5040	0.5662		12	0-45	PASS
C	Bromoform	0.5546	0.6352		15	0-30	PASS
C	Bromomethane	0.4538	0.4923		8	0-30	PASS
C	1,3-Butadiene	0.3051	0.3316		9	0-30	PASS
C	2-Butanone	1.2048	1.3638		13	0-30	PASS
C	Carbon Disulfide	1.9597	2.1501		10	0-30	PASS
C	Carbon Tetrachloride	0.5301	0.5882		11	0-30	PASS
C	Chlorobenzene	0.7301	0.7765		6	0-30	PASS
C	Chloroethane	0.1854	0.2096		13	0-30	PASS
C	Chloroform	1.7587	1.9547		11	0-30	PASS
C	Chloromethane	0.3281	0.3525		7	0-30	PASS
C	Cyclohexane	0.3345	0.3731		12	0-30	PASS
C	Dibromochloromethane	0.6652	0.7512		13	0-45	PASS
C	Dichlorodifluoromethane	1.6559	1.8164		10	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.1011	2.0697		2	0-45	PASS
C	1,1-Dichloroethane	1.3972	1.5416		10	0-30	PASS
C	1,1-Dichloroethene	1.1376	1.2965		14	0-30	PASS
C	1,2-Dibromoethane	0.5619	0.6224		11	0-30	PASS
C	Dichlorotetrafluoroethane	1.3315	1.4526		9	0-30	PASS
C	1,2-Dichlorobenzene	1.0950	1.0550		4	0-30	PASS
C	1,2-Dichloroethane	1.1916	1.3245		11	0-30	PASS
C	1,2-Dichloropropane	0.2316	0.2526		9	0-30	PASS
C	1,3-Dichlorobenzene	0.9766	0.9992		2	0-30	PASS
C	1,4-Dichlorobenzene	0.9992	0.9978		0	0-30	PASS
C	1,4-Dioxane	0.1203	0.1304		8	0-30	PASS
C	c-1,3-Dichloropropene	0.3410	0.3813		12	0-30	PASS
C	c-1,2-Dichloroethene	0.8431	0.9186		9	0-30	PASS
C	t-1,2-Dichloroethene	0.8158	0.8892		9	0-45	PASS
C	t-1,3-Dichloropropene	0.2883	0.3255		13	0-30	PASS
C	Ethanol	0.1189	0.1316		11	0-30	PASS
C	Ethyl Acetate	0.0870	0.0977		12	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.3532	2.5010		6	0-45	PASS
C	Ethylbenzene	1.1429	1.2550		10	0-30	PASS
C	4-Ethyltoluene	1.3849	1.4236		3	0-45	PASS
C	Heptane	0.0565	0.0614		9	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9599	1.0079		5	0-30	PASS
C	Hexane	1.0035	1.1023		10	0-30	PASS
C	2-Hexanone	0.4184	0.4415		6	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8722	1.9869		6	0-30	PASS
C	Methylene Chloride	0.6879	0.6978		1	0-30	PASS
C	4-Methyl-2-Pentanone	0.2074	0.2244		8	0-30	PASS
C	Naphthalene	2.8310	2.8421		0	0-30	PASS
C	o-Xylene	0.9076	0.9961		10	0-30	PASS
C	p/m-Xylene	0.9049	1.0266		14	0-30	PASS
C	Propene	0.4296	0.5520		29	0-30	PASS
C	Styrene	0.6584	0.6948		6	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.5485	0.5536		1	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.4025	1.5342		9	0-45	PASS
C	Tetrachloroethene	0.5536	0.6177		12	0-30	PASS
C	Tetrahydrofuran	0.6338	0.7338		16	0-30	PASS
C	Toluene	1.0152	1.0826		7	0-30	PASS
C	Trichloroethene	0.3027	0.3381		12	0-30	PASS
C	Trichlorofluoromethane	1.6129	1.5242		6	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5266	1.7233		13	0-30	PASS
C	1,1,1-Trichloroethane	1.7885	1.9723		10	0-30	PASS
C	1,1,2-Trichloroethane	0.2155	0.2387		11	0-30	PASS
C	n-Propylbenzene	1.7201	1.7202		0	0-30	PASS
C	Isopropylbenzene	1.3790	1.4265		3	0-30	PASS
C	2-Chlorotoluene	0.8667	0.9152		6	0-30	PASS
C	Acrolein	0.1464	0.1665		14	0-30	PASS
C	Acrylonitrile	0.5026	0.6162		23	0-30	PASS
C	Methyl Methacrylate	0.1762	0.2244		27	0-30	PASS
C	Propane	0.1586	0.2014		27	0-30	PASS
C	Butane	0.4585	0.5028		10	0-30	PASS
C	Methanol	0.0558	0.0564		1	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

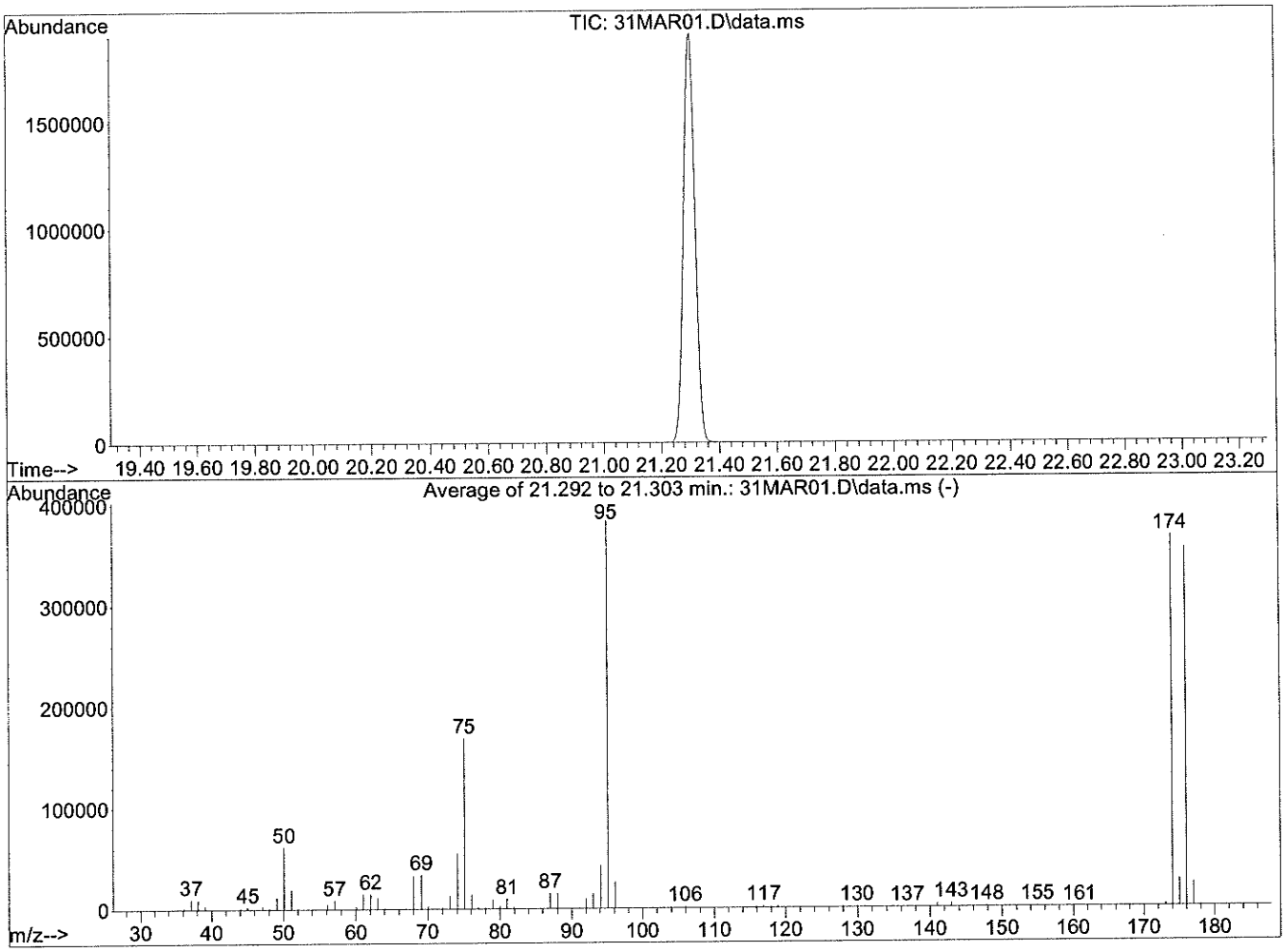
REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120329A
CCV DATE ANALYZED: 3/29/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.1019	1.2344		12	0-30	PASS
C	Isobutane	0.5228	0.5801		11	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.5787	0.6359		10	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2490	1.2829		3	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.7498	0.7898		5	0-30	PASS
C	1,2,4-Trimethylbenzene	1.3155	1.3574		3	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1487	1.2370		8	0-30	PASS
C	Vinyl Acetate	1.6244	1.8311		13	0-30	PASS
C	Vinyl Chloride	0.4511	0.4964		10	0-30	PASS
C	1,1-Difluoroethane	0.7520	0.8505		13	0-30	PASS
C	Isopropanol	0.7732	0.6920		11	0-30	PASS

Data Path : W:\DATA\2012\120331\
Data File : 31MAR01.D
Acq On : 31 Mar 2012 9:06 am
Operator :
Sample : Tune Check
Misc : IS:A01-23-19 510
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\120326.M
Title :
Last Update : Mon Mar 26 17:34:10 2012



AutoFind: Scans 3953, 3954, 3955; Background Corrected with Scan 3939

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	61776	PASS
75	95	30	60	44.1	169152	PASS
95	95	100	100	100.0	383915	PASS
96	95	5	9	6.8	26101	PASS
173	174	0.00	2	0.7	2594	PASS
174	95	50	120	95.6	366997	PASS
175	174	5	9	7.4	27280	PASS
176	174	95	101	96.6	354667	PASS
177	176	5	9	6.6	23464	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120331A
CCV DATE ANALYZED: 3/31/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Acetone	0.2062	0.1896		8	0-45	PASS
C	Benzene	0.6095	0.6694		10	0-30	PASS
C	Benzyl Chloride	0.9519	0.8060		15	0-30	PASS
C	Bromodichloromethane	0.5040	0.5495		9	0-45	PASS
C	Bromoform	0.5546	0.5807		5	0-30	PASS
C	Bromomethane	0.4538	0.5066		12	0-30	PASS
C	1,3-Butadiene	0.3051	0.3427		12	0-30	PASS
C	2-Butanone	1.2048	1.3423		11	0-30	PASS
C	Carbon Disulfide	1.9597	2.1194		8	0-30	PASS
C	Carbon Tetrachloride	0.5301	0.5557		5	0-30	PASS
C	Chlorobenzene	0.7301	0.7841		7	0-30	PASS
C	Chloroethane	0.1854	0.2074		12	0-30	PASS
C	Chloroform	1.7587	1.9282		10	0-30	PASS
C	Chloromethane	0.3281	0.3739		14	0-30	PASS
C	Cyclohexane	0.3345	0.3679		10	0-30	PASS
C	Dibromochloromethane	0.6652	0.7197		8	0-45	PASS
C	Dichlorodifluoromethane	1.6559	1.8722		13	0-30	PASS
C	Diisopropyl Ether (DIPE)	2.1011	2.0546		2	0-45	PASS
C	1,1-Dichloroethane	1.3972	1.5362		10	0-30	PASS
C	1,1-Dichloroethene	1.1376	1.2570		11	0-30	PASS
C	1,2-Dibromoethane	0.5619	0.6143		9	0-30	PASS
C	Dichlorotetrafluoroethane	1.3315	1.4784		11	0-30	PASS
C	1,2-Dichlorobenzene	1.0950	0.9984		9	0-30	PASS
C	1,2-Dichloroethane	1.1916	1.3144		10	0-30	PASS
C	1,2-Dichloropropane	0.2316	0.2529		9	0-30	PASS
C	1,3-Dichlorobenzene	0.9766	0.9174		6	0-30	PASS
C	1,4-Dichlorobenzene	0.9992	0.9266		7	0-30	PASS
C	1,4-Dioxane	0.1203	0.1272		6	0-30	PASS
C	c-1,3-Dichloropropene	0.3410	0.3730		9	0-30	PASS
C	c-1,2-Dichloroethene	0.8431	0.9454		12	0-30	PASS
C	t-1,2-Dichloroethene	0.8158	0.9127		12	0-45	PASS
C	t-1,3-Dichloropropene	0.2883	0.3137		9	0-30	PASS
C	Ethanol	0.1189	0.1271		7	0-30	PASS
C	Ethyl Acetate	0.0870	0.0992		14	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120331A
CCV DATE ANALYZED: 3/31/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	Ethyl-t-Butyl Ether (ETBE)	2.3532	2.5874		10	0-45	PASS
C	Ethylbenzene	1.1429	1.2448		9	0-30	PASS
C	4-Ethyltoluene	1.3849	1.3308		4	0-45	PASS
C	Heptane	0.0565	0.0631		12	0-30	PASS
C	Hexachloro-1,3-Butadiene	0.9599	0.9623		0	0-30	PASS
C	Hexane	1.0035	1.0896		9	0-30	PASS
C	2-Hexanone	0.4184	0.4332		4	0-45	PASS
C	Methyl-t-Butyl Ether (MTBE)	1.8722	2.0456		9	0-30	PASS
C	Methylene Chloride	0.6879	0.7138		4	0-30	PASS
C	4-Methyl-2-Pentanone	0.2074	0.2234		8	0-30	PASS
C	Naphthalene	2.8310	2.8122		1	0-30	PASS
C	o-Xylene	0.9076	0.9761		8	0-30	PASS
C	p/m-Xylene	0.9049	0.9904		9	0-30	PASS
C	**Propene**	**0.4296**	**0.1934**		**55**	**0-30**	**FAIL**
C	Styrene	0.6584	0.6928		5	0-30	PASS
C	Tert-Amyl-Methyl Ether (TAMI	0.5485	0.5871		7	0-45	PASS
C	Tert-Butyl Alcohol (TBA)	1.4025	1.5113		8	0-45	PASS
C	Tetrachloroethene	0.5536	0.6205		12	0-30	PASS
C	Tetrahydrofuran	0.6338	0.7216		14	0-30	PASS
C	Toluene	1.0152	1.0898		7	0-30	PASS
C	Trichloroethene	0.3027	0.3349		11	0-30	PASS
C	Trichlorofluoromethane	1.6129	1.4255		12	0-30	PASS
C	1,1,2-Trichloro-1,2,2-Trifluoro	1.5266	1.7002		11	0-30	PASS
C	1,1,1-Trichloroethane	1.7885	1.9507		9	0-30	PASS
C	1,1,2-Trichloroethane	0.2155	0.2403		12	0-30	PASS
C	n-Propylbenzene	1.7201	1.6140		6	0-30	PASS
C	Isopropylbenzene	1.3790	1.3800		0	0-30	PASS
C	2-Chlorotoluene	0.8667	0.8771		1	0-30	PASS
C	Acrolein	0.1464	0.1568		7	0-30	PASS
C	Acrylonitrile	0.5026	0.6117		22	0-30	PASS
C	Methyl Methacrylate	0.1762	0.2256		28	0-30	PASS
C	Propane	0.1586	0.1507		5	0-30	PASS
C	Butane	0.4585	0.5024		10	0-30	PASS
C	Methanol	0.0558	0.0542		3	0-30	PASS

CONTINUING CALIBRATION QUALITY CONTROL SHEET FOR METHOD: EPA TO-15

INSTRUMENT NAME: GC/MS HH
INITIAL BATCH: 120326IC
INITIAL DATE ANALYZED: 3/26/12

REVIEWED BY:
DATE REVIEWED:
CCV BATCH: 120331A
CCV DATE ANALYZED: 3/31/12

TYPE	COMPOUND NAME	INITIAL RF	CCV RF	MIN RF ALLOWED	CCV DIF	CONTROL LIMIT	VALIDATION STATUS
C	2,2,4-Trimethyl Pentane	1.1019	1.1986		9	0-30	PASS
C	Isobutane	0.5228	0.5804		11	0-30	PASS
C	1,1,1,2-Tetrafluoroethane	0.5787	0.6380		10	0-30	PASS
C	1,3,5-Trimethylbenzene	1.2490	1.1983		4	0-30	PASS
C	1,1,2,2-Tetrachloroethane	0.7498	0.7440		1	0-30	PASS
C	1,2,4-Trimethylbenzene	1.3155	1.2655		4	0-30	PASS
C	1,2,4-Trichlorobenzene	1.1487	1.2341		7	0-30	PASS
C	Vinyl Acetate	1.6244	1.7957		11	0-30	PASS
C	Vinyl Chloride	0.4511	0.5137		14	0-30	PASS
C	1,1-Difluoroethane	0.7520	0.8304		10	0-30	PASS
C	Isopropanol	0.7732	0.6488		16	0-30	PASS

ISVE2- Laboratory Data Reports

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

The original report has been revised/corrected.

CALSCIENCE

WORK ORDER NUMBER: 12-02-1672

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 03/5/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-02-1672
		Project Name:	Omega - SVE
		Received:	02/28/12 17:30
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-20S_022812						
Acetone	**160**		32	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**340**		24	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**64**		8.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**370**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**30**		8.0	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-21S_022812						
1,1-Dichloroethene	**280**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**410**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**230**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1200**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-22S_022812						
Chloroform	**250**		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	**14000**		250	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**37**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**43000**		250	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1900**		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	**8600**		750	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-23S_022812						
Chloroform	**110**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**4700**		200	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**9100**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**900**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**510**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**890**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-24S_022812						
1,1-Dichloroethene	**30**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**33**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**18**		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

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-02-1672
		Project Name:	Omega - SVE
		Received:	02/28/12 17:30
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-25S_022812						
Chloroform	**220**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**16**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**7100**		100	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**10000**		100	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**900**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**690**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1200**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-26S_022812						
Benzene	**23**		20	ppb (v/v)	EPA TO-15	N/A
Chloroform	**3800**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**150**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**43000**		1000	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**21**		20	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**180**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**96000**		1000	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**8900**		1000	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**6300**		100	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**12000**		3000	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-27S_022812						
Chloroform	**260**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**12**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2000**		10	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**12**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**8800**		100	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**710**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**570**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1600**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-28S_022812						
Chloroform	**120**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**8.3**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1500**		8.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2500**		20	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**500**		8.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**220**		16	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**640**		24	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:	12-02-1672
		Project Name:	Omega - SVE
		Received:	02/28/12 17:30
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	**Result**	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-29S_022812						
Acetone	**21**		20	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**50**		15	ppb (v/v)	EPA TO-15	N/A
Chloroform	**11**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**360**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**780**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**81**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**26**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**110**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-30S_022812						
Chloroform	**260**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**49**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**72000**		500	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**44**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**97000**		500	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**9300**		50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1900**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**8200**		150	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.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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_022812	**12-02-1672-1-A**	**02/28/12 13:45**	**Air**	**GC/MS V**	**N/A**	**02/28/12 23:35**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	160	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	340	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	ND	8.0	16		p/m-Xylene	ND	32	16	
Chloromethane	ND	8.0	16		Styrene	ND	24	16	
Dibromochloromethane	ND	8.0	16		Tetrachloroethene	370	8.0	16	
Dichlorodifluoromethane	ND	8.0	16		Toluene	ND	8.0	16	
1,1-Dichloroethane	ND	8.0	16		Trichloroethene	30	8.0	16	
1,1-Dichloroethene	64	8.0	16		Trichlorofluoromethane	ND	16	16	
1,2-Dibromoethane	ND	8.0	16		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	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	ND	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	128	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-21S_022812	**12-02-1672-2-A**	**02/28/12 13:57**	**Air**	**GC/MS V**	**N/A**	**02/29/12 00:20**	**120228L01**

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	410	10	20	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	ND	10	20		Trichloroethene	ND	10	20	
1,1-Dichloroethene	280	10	20		Trichlorofluoromethane	230	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	1200	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	122	57-129		1,2-Dichloroethane-d4	112	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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_022812	**12-02-1672-3-A**	**02/28/12 13:54**	**Air**	**GC/MS V**	**N/A**	**02/29/12 01:04**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	37	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	250	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	43000	250	500	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	28	20	40		Trichloroethene	1900	20	40	
1,1-Dichloroethene	14000	250	500		Trichlorofluoromethane	1500	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	8600	750	500	
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	133	57-129	1,2,7	1,2-Dichloroethane-d4	113	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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_022812	**12-02-1672-4-A**	**02/28/12 13:39**	**Air**	**GC/MS V**	**N/A**	**02/29/12 06:20**	**120228L01**

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	110	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	9100	200	400	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	ND	20	40		Trichloroethene	900	20	40	
1,1-Dichloroethene	4700	200	400		Trichlorofluoromethane	510	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	890	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	127	57-129		1,2-Dichloroethane-d4	122	47-137	
Toluene-d8	106	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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_022812	**12-02-1672-5-A**	**02/28/12 13:50**	**Air**	**GC/MS V**	**N/A**	**02/29/12 16:45**	**120229L01**

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	33	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	30	5.0	10		Trichlorofluoromethane	18	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	112	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

de maximis, inc.		Date Received:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 6 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-25S_022812	**12-02-1672-6-A**	**02/28/12 13:27**	**Air**	**GC/MS V**	**N/A**	**02/29/12 03:21**	**120228L01**

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	220	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	10000	100	200	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	16	10	20		Trichloroethene	900	10	20	
1,1-Dichloroethene	7100	100	200		Trichlorofluoromethane	690	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	1200	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	126	57-129		1,2-Dichloroethane-d4	119	47-137	
Toluene-d8	105	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-26S_022812	**12-02-1672-7-A**	**02/28/12 14:13**	**Air**	**GC/MS V**	**N/A**	**02/29/12 07:05**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	180	20	40	
Benzene	23	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	3800	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	96000	1000	2000	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	150	20	40		Trichloroethene	8900	1000	2000	
1,1-Dichloroethene	43000	1000	2000		Trichlorofluoromethane	6300	100	100	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	12000	3000	2000	
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	21	20	40		Isopropanol	ND	200	40	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	143	57-129	1,2,7	1,2-Dichloroethane-d4	121	47-137	
Toluene-d8	106	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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-27S_022812	**12-02-1672-8-A**	**02/28/12 14:09**	**Air**	**GC/MS K**	**N/A**	**02/29/12 01:17**	**120228L01**

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	260	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	8800	100	200	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	12	10	20		Trichloroethene	710	10	20	
1,1-Dichloroethene	2000	10	20		Trichlorofluoromethane	570	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	1600	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	93	57-129		1,2-Dichloroethane-d4	92	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-28S_022812	**12-02-1672-9-A**	**02/28/12 14:05**	**Air**	**GC/MS K**	**N/A**	**02/29/12 00:32**	**120228L01**

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	120	8.0	16		p/m-Xylene	ND	32	16	
Chloromethane	ND	8.0	16		Styrene	ND	24	16	
Dibromochloromethane	ND	8.0	16		Tetrachloroethene	2500	20	40	
Dichlorodifluoromethane	ND	8.0	16		Toluene	ND	8.0	16	
1,1-Dichloroethane	8.3	8.0	16		Trichloroethene	500	8.0	16	
1,1-Dichloroethene	1500	8.0	16		Trichlorofluoromethane	220	16	16	
1,2-Dibromoethane	ND	8.0	16		1,1,2-Trichloro-1,2,2-Trifluoroethane	640	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	ND	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	93	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

ACCREDITED IN ACCORDANCE WITH nelac

de maximis, inc.		Date Received:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 10 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-29S_022812	**12-02-1672-10-A**	**02/28/12 14:01**	**Air**	**GC/MS K**	**N/A**	**02/28/12 23:48**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	21	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	50	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	11	5.0	10		p/m-Xylene	ND	20	10	
Chloromethane	ND	5.0	10		Styrene	ND	15	10	
Dibromochloromethane	ND	5.0	10		Tetrachloroethene	780	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	81	5.0	10	
1,1-Dichloroethene	360	5.0	10		Trichlorofluoromethane	26	10	10	
1,2-Dibromoethane	ND	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	110	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	92	57-129		1,2-Dichloroethane-d4	91	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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_022812	**12-02-1672-11-A**	**02/28/12 13:35**	**Air**	**GC/MS K**	**N/A**	**02/28/12 23:02**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	44	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	260	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	97000	500	1000	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	49	20	40		Trichloroethene	9300	50	100	
1,1-Dichloroethene	72000	500	1000		Trichlorofluoromethane	1900	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	8200	150	100	
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	98	57-129		1,2-Dichloroethane-d4	91	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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	**095-01-021-9,810**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/28/12 13:30**	**120228L01**

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	102	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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	**095-01-021-9,811**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/28/12 14:07**	**120228L01**

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	100	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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	**095-01-021-9,812**	**N/A**	**Air**	**GC/MS K**	**N/A**	**02/29/12 13:16**	**120229L01**

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	93	57-129		1,2-Dichloroethane-d4	94	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1672
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	**095-01-021-9,814**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/29/12 14:06**	**120229L01**

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	105	47-137	
Toluene-d8	99	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,811	**Air**	**GC/MS K**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	106	105	50-150	33-167	2	0-35	
n-Propylbenzene	25.00	104	102	50-150	33-167	1	0-35	
Acetone	25.00	72	79	50-150	33-167	10	0-35	
Benzene	25.00	109	110	60-156	44-172	0	0-40	
Benzyl Chloride	25.00	107	104	50-150	33-167	3	0-35	
Bromodichloromethane	25.00	107	107	50-150	33-167	0	0-35	
Bromoform	25.00	111	109	62-134	50-146	2	0-38	
Bromomethane	25.00	91	92	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	80	86	50-150	33-167	6	0-35	
2-Butanone	25.00	88	95	50-150	33-167	7	0-35	
Carbon Disulfide	25.00	116	115	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	107	105	64-154	49-169	2	0-32	
Chlorobenzene	25.00	106	106	50-150	33-167	0	0-35	
Chloroethane	25.00	89	93	50-150	33-167	5	0-35	
Chloroform	25.00	102	101	50-150	33-167	1	0-35	
Chloromethane	25.00	83	92	50-150	33-167	11	0-35	
Cyclohexane	25.00	105	106	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	111	110	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	95	94	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	95	94	50-150	33-167	0	0-35	
1,1-Dichloroethane	25.00	105	105	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	79	108	50-150	33-167	32	0-35	
1,2-Dibromoethane	25.00	110	109	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	84	90	50-150	33-167	6	0-35	
1,2-Dichlorobenzene	25.00	103	101	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	103	102	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	108	109	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	103	101	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	104	102	36-156	16-176	2	0-47	
1,4-Dioxane	25.00	95	95	50-150	33-167	0	0-35	
c-1,3-Dichloropropene	25.00	120	120	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	110	110	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	103	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,811	**Air**	**GC/MS K**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	133	133	50-150	33-167	0	0-35	
Ethanol	100.0	70	70	50-150	33-167	0	0-35	
Ethyl Acetate	25.00	107	107	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	100	100	50-150	33-167	0	0-35	
Ethylbenzene	25.00	110	111	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	110	108	50-150	33-167	2	0-35	
Heptane	25.00	107	105	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	95	91	50-150	33-167	3	0-35	
Hexane	25.00	103	103	50-150	33-167	0	0-35	
2-Hexanone	25.00	106	106	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	106	105	50-150	33-167	0	0-35	
Methylene Chloride	25.00	76	96	50-150	33-167	23	0-35	
4-Methyl-2-Pentanone	25.00	107	107	50-150	33-167	0	0-35	
Naphthalene	25.00	84	78	40-190	15-215	7	0-35	
o-Xylene	25.00	108	107	52-148	36-164	1	0-38	
p/m-Xylene	50.00	108	107	42-156	23-175	1	0-41	
Propene	25.00	106	106	50-150	33-167	1	0-35	
Styrene	25.00	102	101	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	99	100	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	73	100	50-150	33-167	30	0-35	
Tetrachloroethene	25.00	109	109	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	100	100	50-150	33-167	0	0-35	
Toluene	25.00	110	111	56-146	41-161	1	0-43	
Trichloroethene	25.00	108	107	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	86	90	50-150	33-167	4	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	109	109	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	108	106	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	108	109	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	100	99	50-150	33-167	1	0-35	
Acrolein	25.00	72	80	50-150	33-167	12	0-35	
Acrylonitrile	25.00	88	83	50-150	33-167	6	0-35	
Methyl Methacrylate	25.00	117	116	50-150	33-167	0	0-35	
Propane	50.00	99	98	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,811	**Air**	**GC/MS K**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	77	82	50-150	33-167	6	0-35	
Methanol	75.00	44	48	50-150	33-167	8	0-35	ME
2,2,4-Trimethyl Pentane	25.00	96	96	50-150	33-167	0	0-35	
Isobutane	50.00	76	83	50-150	33-167	9	0-35	
1,1,1,2-Tetrafluoroethane	25.00	104	103	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	105	103	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	98	97	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	103	101	50-150	33-167	2	0-35	
1,2,4-Trichlorobenzene	25.00	94	89	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	93	92	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	81	88	45-177	23-199	8	0-36	
1,1-Difluoroethane	25.00	100	98	50-150	33-167	2	0-35	
Isopropanol	25.00	76	77	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	112	110	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,810	**Air**	**GC/MS V**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	109	106	50-150	33-167	3	0-35	
n-Propylbenzene	25.00	105	102	50-150	33-167	3	0-35	
Acetone	25.00	104	105	50-150	33-167	1	0-35	
Benzene	25.00	104	104	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	96	94	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	116	117	50-150	33-167	0	0-35	
Bromoform	25.00	114	112	62-134	50-146	2	0-38	
Bromomethane	25.00	113	114	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	102	101	50-150	33-167	1	0-35	
2-Butanone	25.00	102	102	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	104	104	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	122	122	64-154	49-169	0	0-32	
Chlorobenzene	25.00	108	108	50-150	33-167	0	0-35	
Chloroethane	25.00	109	111	50-150	33-167	2	0-35	
Chloroform	25.00	114	113	50-150	33-167	1	0-35	
Chloromethane	25.00	99	99	50-150	33-167	1	0-35	
Cyclohexane	25.00	95	95	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	116	115	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	118	118	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	96	94	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	104	103	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	101	102	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	111	110	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	112	112	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	91	89	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	115	113	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	100	101	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	25.00	96	94	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	96	93	36-156	16-176	3	0-47	
1,4-Dioxane	25.00	125	129	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	114	115	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	108	107	50-150	33-167	1	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,810	**Air**	**GC/MS V**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	130	131	50-150	33-167	1	0-35	
Ethanol	100.0	78	79	50-150	33-167	2	0-35	
Ethyl Acetate	25.00	116	116	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	99	99	50-150	33-167	0	0-35	
Ethylbenzene	25.00	110	109	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	107	104	50-150	33-167	3	0-35	
Heptane	25.00	110	110	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	70	70	50-150	33-167	1	0-35	
Hexane	25.00	102	102	50-150	33-167	0	0-35	
2-Hexanone	25.00	106	104	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	108	107	50-150	33-167	1	0-35	
Methylene Chloride	25.00	97	95	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	111	112	50-150	33-167	0	0-35	
Naphthalene	25.00	58	57	40-190	15-215	3	0-35	
o-Xylene	25.00	112	110	52-148	36-164	2	0-38	
p/m-Xylene	50.00	111	110	42-156	23-175	1	0-41	
Propene	25.00	96	95	50-150	33-167	1	0-35	
Styrene	25.00	101	100	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	96	96	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	86	89	50-150	33-167	3	0-35	
Tetrachloroethene	25.00	112	110	56-152	40-168	2	0-40	
Tetrahydrofuran	25.00	82	94	50-150	33-167	13	0-35	
Toluene	25.00	107	106	56-146	41-161	1	0-43	
Trichloroethene	25.00	112	113	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	114	113	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	114	112	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	122	121	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	110	112	65-149	51-163	2	0-37	
1,2,3-Trichloropropane	25.00	96	93	50-150	33-167	3	0-35	
Acrolein	25.00	99	99	50-150	33-167	1	0-35	
Acrylonitrile	25.00	99	98	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	110	109	50-150	33-167	0	0-35	
Propane	50.00	86	84	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,810	**Air**	**GC/MS V**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	100	100	50-150	33-167	1	0-35	
Methanol	75.00	50	50	50-150	33-167	1	0-35	
2,2,4-Trimethyl Pentane	25.00	89	89	50-150	33-167	1	0-35	
Isobutane	50.00	101	101	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	98	98	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	104	101	50-150	33-167	3	0-35	
1,1,2,2-Tetrachloroethane	25.00	93	90	50-150	33-167	3	0-35	
1,2,4-Trimethylbenzene	25.00	102	99	50-150	33-167	3	0-35	
1,2,4-Trichlorobenzene	25.00	62	61	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	84	84	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	105	106	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	96	95	50-150	33-167	0	0-35	
Isopropanol	25.00	92	95	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	108	105	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,812	**Air**	**GC/MS K**	**N/A**	**02/29/12**	**120229L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	99	101	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	97	98	50-150	33-167	1	0-35	
Acetone	25.00	92	89	50-150	33-167	4	0-35	
Benzene	25.00	105	106	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	96	98	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	98	99	50-150	33-167	1	0-35	
Bromoform	25.00	103	104	62-134	50-146	1	0-38	
Bromomethane	25.00	85	75	50-150	33-167	13	0-35	
1,3-Butadiene	25.00	90	74	50-150	33-167	19	0-35	
2-Butanone	25.00	91	88	50-150	33-167	4	0-35	
Carbon Disulfide	25.00	108	109	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	96	96	64-154	49-169	0	0-32	
Chlorobenzene	25.00	102	103	50-150	33-167	1	0-35	
Chloroethane	25.00	90	80	50-150	33-167	11	0-35	
Chloroform	25.00	95	95	50-150	33-167	0	0-35	
Chloromethane	25.00	87	80	50-150	33-167	8	0-35	
Cyclohexane	25.00	101	102	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	103	104	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	85	81	50-150	33-167	5	0-35	
Diisopropyl Ether (DIPE)	25.00	90	91	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	99	100	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	104	103	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	103	105	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	83	73	50-150	33-167	13	0-35	
1,2-Dichlorobenzene	25.00	94	95	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	93	94	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	104	105	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	95	96	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	96	97	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	91	91	50-150	33-167	0	0-35	
c-1,3-Dichloropropene	25.00	113	114	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	105	106	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	98	99	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,812	**Air**	**GC/MS K**	**N/A**	**02/29/12**	**120229L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	124	125	50-150	33-167	1	0-35	
Ethanol	100.0	71	61	50-150	33-167	16	0-35	
Ethyl Acetate	25.00	102	103	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	92	94	50-150	33-167	2	0-35	
Ethylbenzene	25.00	108	108	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	102	104	50-150	33-167	1	0-35	
Heptane	25.00	101	103	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	85	86	50-150	33-167	1	0-35	
Hexane	25.00	98	99	50-150	33-167	1	0-35	
2-Hexanone	25.00	101	103	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	98	99	50-150	33-167	1	0-35	
Methylene Chloride	25.00	107	108	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	103	103	50-150	33-167	0	0-35	
Naphthalene	25.00	77	79	40-190	15-215	2	0-35	
o-Xylene	25.00	102	103	52-148	36-164	1	0-38	
p/m-Xylene	50.00	103	104	42-156	23-175	0	0-41	
Propene	25.00	96	96	50-150	33-167	0	0-35	
Styrene	25.00	98	99	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	92	94	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	104	105	50-150	33-167	1	0-35	
Tetrachloroethene	25.00	102	104	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	95	97	50-150	33-167	2	0-35	
Toluene	25.00	106	108	56-146	41-161	2	0-43	
Trichloroethene	25.00	102	103	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	90	90	50-150	33-167	0	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	102	102	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	25.00	97	98	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	104	105	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	94	95	50-150	33-167	1	0-35	
Acrolein	25.00	92	86	50-150	33-167	6	0-35	
Acrylonitrile	25.00	94	95	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	112	113	50-150	33-167	1	0-35	
Propane	50.00	90	88	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,812	**Air**	**GC/MS K**	**N/A**	**02/29/12**	**120229L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	90	73	50-150	33-167	21	0-35	
Methanol	75.00	46	38	50-150	33-167	18	0-35	ME
2,2,4-Trimethyl Pentane	25.00	92	93	50-150	33-167	1	0-35	
Isobutane	50.00	79	68	50-150	33-167	16	0-35	
1,1,1,2-Tetrafluoroethane	25.00	95	96	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	97	98	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	94	95	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	95	96	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	86	88	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	88	88	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	86	74	45-177	23-199	15	0-36	
1,1-Difluoroethane	25.00	91	91	50-150	33-167	0	0-35	
Isopropanol	25.00	91	91	50-150	33-167	0	0-35	
2-Chlorotoluene	25.00	104	105	50-150	33-167	1	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,814	**Air**	**GC/MS V**	**N/A**	**02/29/12**	**120229L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	105	105	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	102	102	50-150	33-167	0	0-35	
Acetone	25.00	103	102	50-150	33-167	1	0-35	
Benzene	25.00	101	100	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	97	95	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	120	118	50-150	33-167	1	0-35	
Bromoform	25.00	113	113	62-134	50-146	1	0-38	
Bromomethane	25.00	113	111	50-150	33-167	2	0-35	
1,3-Butadiene	25.00	97	97	50-150	33-167	0	0-35	
2-Butanone	25.00	99	96	50-150	33-167	3	0-35	
Carbon Disulfide	25.00	104	101	50-150	33-167	3	0-35	
Carbon Tetrachloride	25.00	128	126	64-154	49-169	2	0-32	
Chlorobenzene	25.00	104	104	50-150	33-167	1	0-35	
Chloroethane	25.00	109	107	50-150	33-167	2	0-35	
Chloroform	25.00	116	113	50-150	33-167	2	0-35	
Chloromethane	25.00	93	92	50-150	33-167	0	0-35	
Cyclohexane	25.00	91	92	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	116	116	50-150	33-167	0	0-35	
Dichlorodifluoromethane	25.00	123	119	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	94	93	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	102	100	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	111	106	50-150	33-167	4	0-35	
1,2-Dibromoethane	25.00	108	108	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	116	112	50-150	33-167	3	0-35	
1,2-Dichlorobenzene	25.00	89	88	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	120	116	69-153	55-167	4	0-35	
1,2-Dichloropropane	25.00	97	98	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	95	93	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	93	92	36-156	16-176	2	0-47	
1,4-Dioxane	25.00	126	119	50-150	33-167	5	0-35	
c-1,3-Dichloropropene	25.00	115	114	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	103	103	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,814	**Air**	**GC/MS V**	**N/A**	**02/29/12**	**120229L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	132	132	50-150	33-167	0	0-35	
Ethanol	100.0	78	73	50-150	33-167	6	0-35	
Ethyl Acetate	25.00	112	112	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	99	97	50-150	33-167	2	0-35	
Ethylbenzene	25.00	107	106	52-154	35-171	0	0-38	
4-Ethyltoluene	25.00	104	104	50-150	33-167	0	0-35	
Heptane	25.00	105	104	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	72	71	50-150	33-167	1	0-35	
Hexane	25.00	101	98	50-150	33-167	3	0-35	
2-Hexanone	25.00	104	103	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	106	104	50-150	33-167	2	0-35	
Methylene Chloride	25.00	99	97	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	110	109	50-150	33-167	1	0-35	
Naphthalene	25.00	58	57	40-190	15-215	2	0-35	
o-Xylene	25.00	110	110	52-148	36-164	0	0-38	
p/m-Xylene	50.00	111	110	42-156	23-175	1	0-41	
Propene	25.00	90	89	50-150	33-167	1	0-35	
Styrene	25.00	96	97	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	95	94	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	99	88	50-150	33-167	11	0-35	
Tetrachloroethene	25.00	109	109	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	79	77	50-150	33-167	3	0-35	
Toluene	25.00	102	102	56-146	41-161	0	0-43	
Trichloroethene	25.00	112	111	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	126	119	50-150	33-167	6	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	115	111	50-150	33-167	3	0-35	
1,1,1-Trichloroethane	25.00	126	123	50-150	33-167	3	0-35	
1,1,2-Trichloroethane	25.00	109	109	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	94	94	50-150	33-167	0	0-35	
Acrolein	25.00	96	94	50-150	33-167	2	0-35	
Acrylonitrile	25.00	95	94	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	108	107	50-150	33-167	1	0-35	
Propane	50.00	79	78	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: 12-02-1672
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,814	**Air**	**GC/MS V**	**N/A**	**02/29/12**	**120229L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	98	96	50-150	33-167	1	0-35	
Methanol	75.00	48	45	50-150	33-167	5	0-35	ME
2,2,4-Trimethyl Pentane	25.00	87	87	50-150	33-167	0	0-35	
Isobutane	50.00	101	99	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	95	93	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	103	101	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	91	90	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	101	99	50-150	33-167	2	0-35	
1,2,4-Trichlorobenzene	25.00	62	61	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	82	80	50-150	33-167	2	0-35	
Vinyl Chloride	25.00	101	101	45-177	23-199	0	0-36	
1,1-Difluoroethane	25.00	92	92	50-150	33-167	0	0-35	
Isopropanol	25.00	99	90	50-150	33-167	9	0-35	
2-Chlorotoluene	25.00	104	105	50-150	33-167	1	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: **12-02-1672**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_VE-20S_022812	-6.00	-29.70	LC210	Summa Canister 1L
OC_SVE2_VE-21S_022812	-7.00	-29.50	LC416	Summa Canister 1L
OC_SVE2_VE-22S_022812	-7.00	-29.60	LC423	Summa Canister 1L
OC_SVE2_VE-23S_022812	-1.00	-29.50	LC236	Summa Canister 1L
OC_SVE2_VE-24S_022812	-8.00	-29.60	LC147	Summa Canister 1L
OC_SVE2_VE-25S_022812	-5.00	-29.50	LC218	Summa Canister 1L
OC_SVE2_VE-26S_022812	-8.00	-29.60	LC298	Summa Canister 1L
OC_SVE2_VE-27S_022812	-6.00	-29.60	LC078	Summa Canister 1L
OC_SVE2_VE-28S_022812	-6.00	-29.50	LC303	Summa Canister 1L
OC_SVE2_VE-29S_022812	-5.00	-29.50	LC440	Summa Canister 1L
OC_SVE2_VE-30S_022812	-5.00	-29.50	SLC121	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-02-1672

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: 02/28/12
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: 12-02-1672

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_022812	SP-VE-20S	SV	1179	1L	NA	2/28/2012	1343	-30	2/28/2012	1345	-2	x				
2	OC_SVE2_VE-21S_022812	SP-VE-21S	SV	1394	1L	NA	2/28/2012	1355	-30	2/28/2012	1357	-2	x				
3	OC_SVE2_VE-22S_022812	SP-VE-22S	SV	1415	1L	NA	2/28/2012	1352	-30	2/28/2012	1354	-2	x				
4	OC_SVE2_VE-23S_022812	SP-VE-23S	SV	1202	1L	NA	2/28/2012	1337	-30	2/28/2012	1339	-2	x				
5	OC_SVE2_VE-24S_022812	SP-VE-24S	SV	1082	1L	NA	2/28/2012	1348	-30	2/28/2012	1350	-2	x				
6	OC_SVE2_VE-25S_022812	SP-VE-25S	SV	1146	1L	NA	2/28/2012	1325	-30	2/28/2012	1327	-2	x				
7	OC_SVE2_VE-26S_022812	SP-VE-26S	SV	1572	1L	NA	2/28/2012	1411	-30	2/28/2012	1413	-2	x				
8	OC_SVE2_VE-27S_022812	SP-VE-27S	SV	1062	1L	NA	2/28/2012	1407	-30	2/28/2012	1409	-2	x				
9	OC_SVE2_VE-28S_022812	SP-VE-28S	SV	1526	1L	NA	2/28/2012	1403	-30	2/28/2012	1405	-2	x				
10	OC_SVE2_VE-29S_022812	SP-VE-29S	SV	1489	1L	NA	2/28/2012	1359	-30	2/28/2012	1401	-2	x				
11	OC_SVE2_VE-30S_022812	SP-VE-30S	SV	1366	1L	NA	2/28/2012	1333	-30	2/28/2012	1335	-2	x				
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	2/28/12	1827
[signature]	[signature]	2/28/12	1730

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-02-1672

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMA

DATE: 02/28/12

TEMPERATURE: Thermometer ID: SC3 (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:** 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: 12-02-1673

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 02/29/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-02-1673
		Project Name:	Omega - SVE1
		Received:	02/28/12 17:30
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_022812						
Chloroform	**860**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**46**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**16000**		500	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**37000**		500	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**4000**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**2100**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**4200**		1500	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_MID_GAC_022812						
Benzene	**0.75**		0.50	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**16**		1.5	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_EFF_GAC_022812						
2-Butanone	**20**		1.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**0.64**		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:	12-02-1673
		Project Name:	Omega - SVE1
		Received:	02/28/12 17:30
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_022812						
Chloroform	**4200**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**190**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**65000**		2000	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**250000**		3400	ug/m3	EPA TO-15	N/A
Trichloroethene	**21000**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**12000**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**32000**		11000	ug/m3	EPA TO-15	N/A
OC_SVE2_MID_GAC_022812						
Benzene	**2.4**		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	**47**		4.4	ug/m3	EPA TO-15	N/A
Toluene	**2.3**		1.9	ug/m3	EPA TO-15	N/A
OC_SVE2_EFF_GAC_022812						
2-Butanone	**59**		4.4	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**4.4**		3.4	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1673
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_022812	**12-02-1673-1-A**	**02/28/12 14:23**	**Air**	**GC/MS V**	**N/A**	**02/28/12 21:12**	**120228L01**

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	37000	500	1000	
Carbon Tetrachloride	ND	20	40		Toluene	ND	20	40	
Chloroform	860	20	40		Trichloroethene	4000	20	40	
Dichlorodifluoromethane	ND	20	40		Trichlorofluoromethane	2100	40	40	
1,1-Dichloroethane	46	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	4200	1500	1000	
1,1-Dichloroethene	16000	500	1000		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	137	57-129	1,2,7	1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	105	78-156					

OC_SVE2_MID_GAC_022812	**12-02-1673-2-A**	**02/28/12 14:22**	**Air**	**GC/MS V**	**N/A**	**02/28/12 20:28**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.75	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	16	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	0.61	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	104	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	107	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1673
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_022812	**12-02-1673-3-A**	**02/28/12 14:21**	**Air**	**GC/MS V**	**N/A**	**02/28/12 19:37**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	20	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	0.64	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	105	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	104	78-156					

Method Blank	**095-01-021-9,810**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/28/12 13:30**	**120228L01**

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	102	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1673
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_022812	**12-02-1673-1-A**	**02/28/12 14:23**	**Air**	**GC/MS V**	**N/A**	**02/28/12 21:12**	**120228L01**

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	250000	3400	1000	
Carbon Tetrachloride	ND	130	40		Toluene	ND	75	40	
Chloroform	4200	98	40		Trichloroethene	21000	110	40	
Dichlorodifluoromethane	ND	99	40		Trichlorofluoromethane	12000	220	40	
1,1-Dichloroethane	190	81	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	32000	11000	1000	
1,1-Dichloroethene	65000	2000	1000		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	137	57-129	1,2,7	1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	105	78-156					

OC_SVE2_MID_GAC_022812	**12-02-1673-2-A**	**02/28/12 14:22**	**Air**	**GC/MS V**	**N/A**	**02/28/12 20:28**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.4	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	47	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	2.3	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	104	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	107	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:	02/28/12
1322 Scott Street, Suite 104		Work Order No:	12-02-1673
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_022812	**12-02-1673-3-A**	**02/28/12 14:21**	**Air**	**GC/MS V**	**N/A**	**02/28/12 19:37**	**120228L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	59	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	4.4	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	105	57-129		1,2-Dichloroethane-d4	108	47-137	
Toluene-d8	104	78-156					

Method Blank	**095-01-021-9,810**	**N/A**	**Air**	**GC/MS V**	**N/A**	**02/28/12 13:30**	**120228L01**

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	102	47-137	
Toluene-d8	100	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: 12-02-1673
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,810	**Air**	**GC/MS V**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	109	106	50-150	33-167	3	0-35	
n-Propylbenzene	25.00	105	102	50-150	33-167	3	0-35	
Acetone	25.00	104	105	50-150	33-167	1	0-35	
Benzene	25.00	104	104	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	96	94	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	116	117	50-150	33-167	0	0-35	
Bromoform	25.00	114	112	62-134	50-146	2	0-38	
Bromomethane	25.00	113	114	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	102	101	50-150	33-167	1	0-35	
2-Butanone	25.00	102	102	50-150	33-167	0	0-35	
Carbon Disulfide	25.00	104	104	50-150	33-167	0	0-35	
Carbon Tetrachloride	25.00	122	122	64-154	49-169	0	0-32	
Chlorobenzene	25.00	108	108	50-150	33-167	0	0-35	
Chloroethane	25.00	109	111	50-150	33-167	2	0-35	
Chloroform	25.00	114	113	50-150	33-167	1	0-35	
Chloromethane	25.00	99	99	50-150	33-167	1	0-35	
Cyclohexane	25.00	95	95	50-150	33-167	0	0-35	
Dibromochloromethane	25.00	116	115	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	118	118	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	96	94	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	104	103	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	101	102	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	111	110	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	112	112	50-150	33-167	0	0-35	
1,2-Dichlorobenzene	25.00	91	89	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	115	113	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	100	101	67-157	52-172	0	0-35	
1,3-Dichlorobenzene	25.00	96	94	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	96	93	36-156	16-176	3	0-47	
1,4-Dioxane	25.00	125	129	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	114	115	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	108	107	50-150	33-167	1	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: 12-02-1673
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,810	**Air**	**GC/MS V**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	130	131	50-150	33-167	1	0-35	
Ethanol	100.0	78	79	50-150	33-167	2	0-35	
Ethyl Acetate	25.00	116	116	50-150	33-167	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	99	99	50-150	33-167	0	0-35	
Ethylbenzene	25.00	110	109	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	107	104	50-150	33-167	3	0-35	
Heptane	25.00	110	110	50-150	33-167	0	0-35	
Hexachloro-1,3-Butadiene	25.00	70	70	50-150	33-167	1	0-35	
Hexane	25.00	102	102	50-150	33-167	0	0-35	
2-Hexanone	25.00	106	104	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	108	107	50-150	33-167	1	0-35	
Methylene Chloride	25.00	97	95	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	111	112	50-150	33-167	0	0-35	
Naphthalene	25.00	58	57	40-190	15-215	3	0-35	
o-Xylene	25.00	112	110	52-148	36-164	2	0-38	
p/m-Xylene	50.00	111	110	42-156	23-175	1	0-41	
Propene	25.00	96	95	50-150	33-167	1	0-35	
Styrene	25.00	101	100	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	96	96	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	86	89	50-150	33-167	3	0-35	
Tetrachloroethene	25.00	112	110	56-152	40-168	2	0-40	
Tetrahydrofuran	25.00	82	94	50-150	33-167	13	0-35	
Toluene	25.00	107	106	56-146	41-161	1	0-43	
Trichloroethene	25.00	112	113	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	114	113	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	114	112	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	122	121	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	110	112	65-149	51-163	2	0-37	
1,2,3-Trichloropropane	25.00	96	93	50-150	33-167	3	0-35	
Acrolein	25.00	99	99	50-150	33-167	1	0-35	
Acrylonitrile	25.00	99	98	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	110	109	50-150	33-167	0	0-35	
Propane	50.00	86	84	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: 12-02-1673
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,810	**Air**	**GC/MS V**	**N/A**	**02/28/12**	**120228L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	100	100	50-150	33-167	1	0-35	
Methanol	75.00	50	50	50-150	33-167	1	0-35	
2,2,4-Trimethyl Pentane	25.00	89	89	50-150	33-167	1	0-35	
Isobutane	50.00	101	101	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	98	98	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	104	101	50-150	33-167	3	0-35	
1,1,2,2-Tetrachloroethane	25.00	93	90	50-150	33-167	3	0-35	
1,2,4-Trimethylbenzene	25.00	102	99	50-150	33-167	3	0-35	
1,2,4-Trichlorobenzene	25.00	62	61	50-150	33-167	1	0-35	
Vinyl Acetate	25.00	84	84	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	105	106	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	96	95	50-150	33-167	0	0-35	
Isopropanol	25.00	92	95	50-150	33-167	3	0-35	
2-Chlorotoluene	25.00	108	105	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: **12-02-1673**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_INF_GAC_022812	-0.50	-29.60	SLC077	Summa Canister 1L
OC_SVE2_MID_GAC_022812	-0.50	-29.50	LC475	Summa Canister 1L
OC_SVE2_EFF_GAC_022812	-1.00	-29.60	LC460	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-02-1673

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: 02/28/12
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
TURNAROUND TIME: ☐ SAME DAY ■ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ■ EDD
SPECIAL INSTRUCTIONS:

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

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY: 12-02-1673

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_022812	SP-INF-GAC	SV	1279	1L	NA	2/28/2012	1421	-30	2/28/2012	1423	-2	x
2	OC_SVE2_MID_GAC_022812	SP-MID-GAC	SV	1463	1L	NA	2/28/2012	1420	-30	2/28/2012	1422	-2	x
3	OC_SVE2_EFF_GAC_022812	SP-EFF-GAC	SV	1480	1L	NA	2/28/2012	1412	-30	2/28/2012	1421	-2	x
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Alex Mayz CEL	2/28/12	1437
Relinquished by: (Signature) Alex Mayz	Received by: (Signature) CEL	2/28/12	1730
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-02-1673

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMA

DATE: 02/28/12

TEMPERATURE: Thermometer ID: SC3 (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:** AM

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:** 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.

WORK ORDER #: 12-02-1673

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☑ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

(-3) Collection Time (Start) per label: 1449.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: NC 02 28 /12

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-0423

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 03/08/2012 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-03-0423
		Project Name:	Omega - SVE1
		Received:	03/07/12 14:00
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_030712						
Chloroform	**820**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**53**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**13000**		400	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**30000**		400	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**2700**		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	**3200**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_MID-GAC_030712						
2-Butanone	**11**		1.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3.5**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_EFF-GAC_030712						
2-Butanone	**9.6**		1.5	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**1.6**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**7.3**		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:	12-03-0423
		Project Name:	Omega - SVE1
		Received:	03/07/12 14:00
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_030712						
Chloroform	**4000**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**210**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**50000**		1600	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**210000**		2700	ug/m3	EPA TO-15	N/A
Trichloroethene	**15000**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**6900**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**24000**		460	ug/m3	EPA TO-15	N/A
OC_SVE2_MID-GAC_030712						
2-Butanone	**33**		4.4	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**24**		3.4	ug/m3	EPA TO-15	N/A
OC_SVE2_EFF-GAC_030712						
2-Butanone	**28**		4.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**8.0**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**50**		3.4	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:	03/07/12
1322 Scott Street, Suite 104		Work Order No:	12-03-0423
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_030712	**12-03-0423-1-A**	**03/07/12 11:27**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 19:02**	**120307L01**

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	30000	400	800	
Carbon Tetrachloride	ND	20	40		Toluene	ND	20	40	
Chloroform	820	20	40		Trichloroethene	2700	20	40	
Dichlorodifluoromethane	ND	20	40		Trichlorofluoromethane	1200	40	40	
1,1-Dichloroethane	53	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	3200	60	40	
1,1-Dichloroethene	13000	400	800		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	103	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	98	78-156					

OC_SVE2_MID-GAC_030712	**12-03-0423-2-A**	**03/07/12 11:23**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 18:16**	**120307L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	11	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	3.5	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	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	101	57-129		1,2-Dichloroethane-d4	91	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:	03/07/12
1322 Scott Street, Suite 104		Work Order No:	12-03-0423
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_030712	**12-03-0423-3-A**	**03/07/12 11:15**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 17:28**	**120307L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methylene Chloride	ND	5.0	1	
2-Butanone	9.6	1.5	1		o-Xylene	ND	0.50	1	
Carbon Disulfide	ND	2.0	1		Tetrachloroethene	7.3	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	1.6	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	90	47-137	
Toluene-d8	90	78-156					

Method Blank	**095-01-021-9,837**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 16:34**	**120307L01**

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	100	57-129		1,2-Dichloroethane-d4	90	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:	03/07/12
1322 Scott Street, Suite 104		Work Order No:	12-03-0423
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_030712	**12-03-0423-1-A**	**03/07/12 11:27**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 19:02**	**120307L01**

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	210000	2700	800	
Carbon Tetrachloride	ND	130	40		Toluene	ND	75	40	
Chloroform	4000	98	40		Trichloroethene	15000	110	40	
Dichlorodifluoromethane	ND	99	40		Trichlorofluoromethane	6900	220	40	
1,1-Dichloroethane	210	81	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	24000	460	40	
1,1-Dichloroethene	50000	1600	800		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	103	57-129		1,2-Dichloroethane-d4	92	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_SVE2_MID-GAC_030712	**12-03-0423-2-A**	**03/07/12 11:23**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 18:16**	**120307L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	33	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	24	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	101	57-129		1,2-Dichloroethane-d4	91	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:	03/07/12
Work Order No:	12-03-0423
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_030712	**12-03-0423-3-A**	**03/07/12 11:15**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 17:28**	**120307L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Methylene Chloride	ND	17	1	
2-Butanone	28	4.4	1		o-Xylene	ND	2.2	1	
Carbon Disulfide	ND	6.2	1		Tetrachloroethene	50	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	8.0	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	103	57-129		1,2-Dichloroethane-d4	90	47-137	
Toluene-d8	90	78-156					

Method Blank	**095-01-021-9,837**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**03/07/12 16:34**	**120307L01**

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	100	57-129		1,2-Dichloroethane-d4	90	47-137	
Toluene-d8	91	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: 12-03-0423
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,837	**Air**	**GC/MS AA**	**N/A**	**03/07/12**	**120307L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	97	93	50-150	33-167	4	0-35	
n-Propylbenzene	25.00	96	92	50-150	33-167	5	0-35	
Acetone	25.00	101	103	50-150	33-167	2	0-35	
Benzene	25.00	101	102	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	85	81	50-150	33-167	5	0-35	
Bromodichloromethane	25.00	88	87	50-150	33-167	1	0-35	
Bromoform	25.00	79	77	62-134	50-146	3	0-38	
Bromomethane	25.00	97	126	50-150	33-167	26	0-35	
1,3-Butadiene	25.00	112	116	50-150	33-167	3	0-35	
2-Butanone	25.00	106	108	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	103	106	50-150	33-167	3	0-35	
Carbon Tetrachloride	25.00	84	84	64-154	49-169	0	0-32	
Chlorobenzene	25.00	98	97	50-150	33-167	2	0-35	
Chloroethane	25.00	92	119	50-150	33-167	25	0-35	
Chloroform	25.00	92	93	50-150	33-167	1	0-35	
Chloromethane	25.00	120	125	50-150	33-167	4	0-35	
Cyclohexane	25.00	99	100	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	90	89	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	102	103	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	93	94	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	99	101	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	96	99	50-150	33-167	3	0-35	
1,2-Dibromoethane	25.00	94	93	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	109	110	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	94	88	34-160	13-181	6	0-47	
1,2-Dichloroethane	25.00	91	93	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	100	101	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	86	82	50-150	33-167	5	0-35	
1,4-Dichlorobenzene	25.00	88	84	36-156	16-176	4	0-47	
1,4-Dioxane	25.00	89	85	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	99	100	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	106	107	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	94	96	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: 12-03-0423
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,837	**Air**	**GC/MS AA**	**N/A**	**03/07/12**	**120307L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	103	103	50-150	33-167	0	0-35	
Ethanol	100.0	83	93	50-150	33-167	12	0-35	
Ethyl Acetate	25.00	99	102	50-150	33-167	3	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	98	101	50-150	33-167	3	0-35	
Ethylbenzene	25.00	95	93	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	91	87	50-150	33-167	5	0-35	
Heptane	25.00	101	102	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	78	68	50-150	33-167	14	0-35	
Hexane	25.00	102	103	50-150	33-167	1	0-35	
2-Hexanone	25.00	97	95	50-150	33-167	3	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	98	100	50-150	33-167	1	0-35	
Methylene Chloride	25.00	97	101	50-150	33-167	3	0-35	
4-Methyl-2-Pentanone	25.00	101	99	50-150	33-167	3	0-35	
Naphthalene	25.00	72	51	40-190	15-215	34	0-35	
o-Xylene	25.00	94	91	52-148	36-164	3	0-38	
p/m-Xylene	50.00	92	90	42-156	23-175	2	0-41	
Propene	25.00	108	112	50-150	33-167	4	0-35	
Styrene	25.00	91	88	50-150	33-167	4	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	89	89	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	91	87	50-150	33-167	5	0-35	
Tetrachloroethene	25.00	98	97	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	101	104	50-150	33-167	4	0-35	
Toluene	25.00	100	99	56-146	41-161	1	0-43	
Trichloroethene	25.00	95	95	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	91	92	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	101	103	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	90	91	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	96	96	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	96	90	50-150	33-167	6	0-35	
Acrolein	25.00	101	103	50-150	33-167	3	0-35	
Acrylonitrile	25.00	100	100	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	101	102	50-150	33-167	1	0-35	
Propane	50.00	102	108	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: 12-03-0423
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,837	**Air**	**GC/MS AA**	**N/A**	**03/07/12**	**120307L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	102	104	50-150	33-167	2	0-35	
Methanol	75.00	71	72	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	93	93	50-150	33-167	0	0-35	
Isobutane	50.00	103	105	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	97	101	50-150	33-167	4	0-35	
1,3,5-Trimethylbenzene	25.00	85	81	50-150	33-167	5	0-35	
1,1,2,2-Tetrachloroethane	25.00	85	81	50-150	33-167	4	0-35	
1,2,4-Trimethylbenzene	25.00	84	80	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	80	69	50-150	33-167	15	0-35	
Vinyl Acetate	25.00	89	92	50-150	33-167	3	0-35	
Vinyl Chloride	25.00	113	117	45-177	23-199	3	0-36	
1,1-Difluoroethane	25.00	98	102	50-150	33-167	4	0-35	
Isopropanol	25.00	94	92	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	102	98	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: **12-03-0423**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_INF_GAC_030712	-4.00	-29.60	LC104	Summa Canister 1L
OC_SVE2_MID-GAC_030712	-4.00	-29.70	LC279	Summa Canister 1L
OC_SVE2_EFF-GAC_030712	-3.00	-29.70	LC420	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-0423

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: 03/07/12
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: 12-03-0423

TURNAROUND TIME: ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Andrew Miller

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_030712	SP-INF-GAC	SV	LC104	1L	NA	3/7/2012	1124	-30	3/7/2012	1127	-2	x				
2	OC_SVE2_MID_GAC_030712	SP-MID-GAC	SV	LC271	1L	NA	3/7/2012	1117	-30	3/7/2012	1123	-2	x				
3	OC_SVE2_EFF_GAC_030712	SP-EFF-GAC	SV	LC420	1L	NA	3/7/2012	1112	-30	3/7/2012	1115	-2	x				
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
JHA	Aly Mayr CBL	3/7/12	1324
Aly Mayr	Pannyle CBL	3/7/12	14:00

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-0423

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DE MAXIMS

DATE: 03/7/12

TEMPERATURE: Thermometer ID: SC3 (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: DL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** DL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** MSL

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:** MSL

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-2047

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 04/13/2012 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:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-20S_033012						
Acetone	**250**		10	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**330**		7.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**20**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**5.7**		2.5	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-21S_033012						
Acetone	**7.9**		5.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.3**		1.2	ppb (v/v)	EPA TO-15	N/A
Chloroform	**30**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**2.5**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**160**		1.2	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**3.4**		1.2	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1100**		12	ppb (v/v)	EPA TO-15	N/A
Toluene	**2.5**		1.2	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**79**		1.2	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**27**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**74**		3.8	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-22S_033012						
Chloroform	**500**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**30**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**2200**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**28000**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**970**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**470**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1700**		60	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-23S_033012						
Chloroform	**83**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**7.0**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**480**		2.5	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**5.4**		2.5	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**2.5**		2.5	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3800**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**260**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**18**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**65**		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:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-24S_033012						
Chloroform	**4.3**		2.5	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**3.1**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**880**		50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**940**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**52**		2.5	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**150**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**830**		150	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-25S_033012						
Chloroform	**430**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**23**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**1800**		10	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**13**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**14000**		100	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1100**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**41**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**38**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-26S_033012						
Chloroform	**850**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**31**		20	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**3400**		20	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**39**		20	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**27**		20	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**32000**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1400**		20	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1000**		40	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**2800**		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:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-27S_033012						
Benzene	**4.5**		4.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**530**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**16**		4.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**410**		4.0	ppb (v/v)	EPA TO-15	N/A
1,2-Dichloroethane	**6.1**		4.0	ppb (v/v)	EPA TO-15	N/A
t-1,2-Dichloroethene	**4.9**		4.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**5900**		100	ppb (v/v)	EPA TO-15	N/A
Toluene	**17**		4.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**550**		4.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**82**		8.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**710**		12	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-28S_033012						
Acetone	**10**		5.0	ppb (v/v)	EPA TO-15	N/A
Bromodichloromethane	**1.5**		1.2	ppb (v/v)	EPA TO-15	N/A
2-Butanone	**8.0**		3.8	ppb (v/v)	EPA TO-15	N/A
Chloroform	**120**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**5.3**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**170**		1.2	ppb (v/v)	EPA TO-15	N/A
c-1,2-Dichloroethene	**1.5**		1.2	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**1500**		50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**220**		1.2	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**4.2**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**8.5**		3.8	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_VE-29S_033012						
Acetone	**27**		20	ppb (v/v)	EPA TO-15	N/A
Chloroform	**19**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**120**		5.0	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**850**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**83**		5.0	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:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: OC_SVE2_VE-30S_033012						
Chloroform	**200**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**15**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**890**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**7900**		100	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**640**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**70**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**180**		30	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:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-20S_033012						
Acetone	**590**		24	ug/m3	EPA TO-15	N/A
2-Butanone	**960**		22	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**130**		17	ug/m3	EPA TO-15	N/A
Trichloroethene	**30**		13	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-21S_033012						
Acetone	**19**		12	ug/m3	EPA TO-15	N/A
Benzene	**4.3**		4.0	ug/m3	EPA TO-15	N/A
Chloroform	**150**		6.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**10**		5.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**650**		5.0	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**14**		5.1	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**7500**		85	ug/m3	EPA TO-15	N/A
Toluene	**9.5**		4.7	ug/m3	EPA TO-15	N/A
Trichloroethene	**420**		6.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**150**		14	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**570**		29	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-22S_033012						
Chloroform	**2400**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**120**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**8700**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**190000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**5200**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**2600**		220	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**13000**		460	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-23S_033012						
Chloroform	**400**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**28**		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1900**		9.9	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**22**		10	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**10**		9.9	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**26000**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**1400**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**100**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**500**		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:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-24S_033012						
Chloroform	**21**		12	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**15**		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3500**		200	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**6400**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**280**		13	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**850**		28	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**6400**		1100	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-25S_033012						
Chloroform	**2100**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**92**		40	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**7000**		40	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**53**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**93000**		680	ug/m3	EPA TO-15	N/A
Trichloroethene	**5900**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**230**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**290**		230	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-26S_033012						
Chloroform	**4200**		98	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**130**		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**14000**		79	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**160**		81	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**110**		79	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**220000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**7600**		110	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**5700**		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

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Client:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_VE-27S_033012						
Benzene	**14**		13	ug/m3	EPA TO-15	N/A
Chloroform	**2600**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**63**		16	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**1600**		16	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**25**		16	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	**19**		16	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**40000**		680	ug/m3	EPA TO-15	N/A
Toluene	**65**		15	ug/m3	EPA TO-15	N/A
Trichloroethene	**2900**		21	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**460**		45	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**5400**		92	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-28S_033012						
Acetone	**24**		12	ug/m3	EPA TO-15	N/A
Bromodichloromethane	**9.8**		8.4	ug/m3	EPA TO-15	N/A
2-Butanone	**23**		11	ug/m3	EPA TO-15	N/A
Chloroform	**610**		6.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**22**		5.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**660**		5.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	**6.1**		5.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**9800**		340	ug/m3	EPA TO-15	N/A
Trichloroethene	**1200**		6.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**23**		14	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**65**		29	ug/m3	EPA TO-15	N/A
OC_SVE2_VE-29S_033012						
Acetone	**63**		48	ug/m3	EPA TO-15	N/A
Chloroform	**93**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**480**		20	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**5800**		34	ug/m3	EPA TO-15	N/A
Trichloroethene	**450**		27	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:	12-03-2047
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
Client Sample ID: OC_SVE2_VE-30S_033012						
Chloroform	**990**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**59**		40	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3500**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**54000**		680	ug/m3	EPA TO-15	N/A
Trichloroethene	**3400**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**390**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1300**		230	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:	12-03-2047
		Project Name:	Omega - SVE1
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_033012						
Chloroform	**630**		10	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**29**		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	**21**		10	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**15000**		200	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1200**		10	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**570**		20	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**1700**		30	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_MID_GAC_033012						
Chloroform	**130**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethane	**30**		5.0	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**8400**		100	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**16**		5.0	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**750**		10	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**130**		15	ppb (v/v)	EPA TO-15	N/A
OC_SVE2_EFF_GAC_033012						
Benzene	**3.4**		1.2	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**5.2**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**670**		50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**1100**		100	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:	12-03-2047
		Project Name:	Omega - SVE1
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SVE2_INF_GAC_033012						
Chloroform	**3100**		49	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**120**		40	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**13000**		790	ug/m3	EPA TO-15	N/A
1,2-Dichloroethane	**85**		40	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**98000**		1400	ug/m3	EPA TO-15	N/A
Trichloroethene	**6700**		54	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**3200**		110	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**13000**		230	ug/m3	EPA TO-15	N/A
OC_SVE2_MID_GAC_033012						
Chloroform	**610**		24	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	**120**		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**33000**		400	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**110**		34	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**4200**		56	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**970**		110	ug/m3	EPA TO-15	N/A
OC_SVE2_EFF_GAC_033012						
Benzene	**11**		4.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**26**		6.2	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2700**		200	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**5900**		560	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-1-A**	**03/30/12 13:04**	**Air**	**GC/MS II**	**N/A**	**04/02/12 18:45**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	250	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	330	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	20	2.5	5	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	5.7	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	111	57-129		1,2-Dichloroethane-d4	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-2-A**	**03/30/12 13:06**	**Air**	**GC/MS II**	**N/A**	**03/31/12 17:15**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.9	5.0	2.5		t-1,2-Dichloroethene	ND	1.2	2.5	
Benzene	1.3	1.2	2.5		t-1,3-Dichloropropene	ND	2.5	2.5	
Benzyl Chloride	ND	3.8	2.5		Ethylbenzene	ND	1.2	2.5	
Bromodichloromethane	ND	1.2	2.5		4-Ethyltoluene	ND	1.2	2.5	
Bromoform	ND	1.2	2.5		Hexachloro-1,3-Butadiene	ND	3.8	2.5	
Bromomethane	ND	1.2	2.5		Hexane	ND	5.0	2.5	
2-Butanone	ND	3.8	2.5		2-Hexanone	ND	3.8	2.5	
Carbon Disulfide	ND	5.0	2.5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	2.5	
Carbon Tetrachloride	ND	1.2	2.5		Methylene Chloride	ND	12	2.5	
Chlorobenzene	ND	1.2	2.5		4-Methyl-2-Pentanone	ND	3.8	2.5	
Chloroethane	ND	1.2	2.5		o-Xylene	ND	1.2	2.5	
Chloroform	30	1.2	2.5		p/m-Xylene	ND	5.0	2.5	
Chloromethane	ND	1.2	2.5		Styrene	ND	3.8	2.5	
Dibromochloromethane	ND	1.2	2.5		Tetrachloroethene	1100	12	25	
Dichlorodifluoromethane	ND	1.2	2.5		Toluene	2.5	1.2	2.5	
1,1-Dichloroethane	2.5	1.2	2.5		Trichloroethene	79	1.2	2.5	
1,1-Dichloroethene	160	1.2	2.5		Trichlorofluoromethane	27	2.5	2.5	
1,2-Dibromoethane	ND	1.2	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	74	3.8	2.5	
Dichlorotetrafluoroethane	ND	5.0	2.5		1,1,1-Trichloroethane	ND	1.2	2.5	
1,2-Dichlorobenzene	ND	1.2	2.5		1,1,2-Trichloroethane	ND	1.2	2.5	
1,2-Dichloroethane	3.4	1.2	2.5		1,3,5-Trimethylbenzene	ND	1.2	2.5	
1,2-Dichloropropane	ND	1.2	2.5		1,1,2,2-Tetrachloroethane	ND	2.5	2.5	
1,3-Dichlorobenzene	ND	1.2	2.5		1,2,4-Trimethylbenzene	ND	3.8	2.5	
1,4-Dichlorobenzene	ND	1.2	2.5		1,2,4-Trichlorobenzene	ND	5.0	2.5	
1,4-Dioxane	ND	25	2.5		Vinyl Acetate	ND	5.0	2.5	
c-1,3-Dichloropropene	ND	1.2	2.5		Vinyl Chloride	ND	1.2	2.5	
c-1,2-Dichloroethene	ND	1.2	2.5		Isopropanol	ND	12	2.5	

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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-3-A**	**03/30/12 13:20**	**Air**	**GC/MS II**	**N/A**	**04/02/12 19:32**	**120402L01**

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	500	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	28000	200	400	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	30	20	40		Trichloroethene	970	20	40	
1,1-Dichloroethene	2200	20	40		Trichlorofluoromethane	470	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	1700	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	104	47-137	
Toluene-d8	85	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-4-A**	**03/30/12 13:22**	**Air**	**GC/MS II**	**N/A**	**03/31/12 18:48**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	5		t-1,2-Dichloroethene	2.5	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	83	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	3800	50	100	
Dichlorodifluoromethane	ND	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	7.0	2.5	5		Trichloroethene	260	2.5	5	
1,1-Dichloroethene	480	2.5	5		Trichlorofluoromethane	18	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	65	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	5.4	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	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-5-A**	**03/30/12 13:24**	**Air**	**GC/MS II**	**N/A**	**03/31/12 19:33**	**120331L01**

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	4.3	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	940	50	100	
Dichlorodifluoromethane	3.1	2.5	5		Toluene	ND	2.5	5	
1,1-Dichloroethane	ND	2.5	5		Trichloroethene	52	2.5	5	
1,1-Dichloroethene	880	50	100		Trichlorofluoromethane	150	5.0	5	
1,2-Dibromoethane	ND	2.5	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	830	150	100	
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	107	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	90	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-6-A**	**03/30/12 13:26**	**Air**	**GC/MS II**	**N/A**	**04/02/12 21:51**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	40	20		t-1,2-Dichloroethene	13	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	430	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	14000	100	200	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	23	10	20		Trichloroethene	1100	10	20	
1,1-Dichloroethene	1800	10	20		Trichlorofluoromethane	41	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	38	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	116	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	85	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-7-A**	**03/30/12 13:28**	**Air**	**GC/MS II**	**N/A**	**04/02/12 22:37**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	80	40		t-1,2-Dichloroethene	27	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	850	20	40		p/m-Xylene	ND	80	40	
Chloromethane	ND	20	40		Styrene	ND	60	40	
Dibromochloromethane	ND	20	40		Tetrachloroethene	32000	200	400	
Dichlorodifluoromethane	ND	20	40		Toluene	ND	20	40	
1,1-Dichloroethane	31	20	40		Trichloroethene	1400	20	40	
1,1-Dichloroethene	3400	20	40		Trichlorofluoromethane	1000	40	40	
1,2-Dibromoethane	ND	20	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	2800	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	39	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	114	57-129		1,2-Dichloroethane-d4	112	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SVE2_VE-27S_033012	**12-03-2047-8-A**	**03/30/12 13:36**	**Air**	**GC/MS II**	**N/A**	**03/31/12 21:53**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	16	8		t-1,2-Dichloroethene	4.9	4.0	8	
Benzene	4.5	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	530	4.0	8		p/m-Xylene	ND	16	8	
Chloromethane	ND	4.0	8		Styrene	ND	12	8	
Dibromochloromethane	ND	4.0	8		Tetrachloroethene	5900	100	200	
Dichlorodifluoromethane	ND	4.0	8		Toluene	17	4.0	8	
1,1-Dichloroethane	16	4.0	8		Trichloroethene	550	4.0	8	
1,1-Dichloroethene	410	4.0	8		Trichlorofluoromethane	82	8.0	8	
1,2-Dibromoethane	ND	4.0	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	710	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	6.1	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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-9-A**	**03/30/12 13:38**	**Air**	**GC/MS II**	**N/A**	**03/31/12 22:40**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	10	5.0	2.5		t-1,2-Dichloroethene	ND	1.2	2.5	
Benzene	ND	1.2	2.5		t-1,3-Dichloropropene	ND	2.5	2.5	
Benzyl Chloride	ND	3.8	2.5		Ethylbenzene	ND	1.2	2.5	
Bromodichloromethane	1.5	1.2	2.5		4-Ethyltoluene	ND	1.2	2.5	
Bromoform	ND	1.2	2.5		Hexachloro-1,3-Butadiene	ND	3.8	2.5	
Bromomethane	ND	1.2	2.5		Hexane	ND	5.0	2.5	
2-Butanone	8.0	3.8	2.5		2-Hexanone	ND	3.8	2.5	
Carbon Disulfide	ND	5.0	2.5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	2.5	
Carbon Tetrachloride	ND	1.2	2.5		Methylene Chloride	ND	12	2.5	
Chlorobenzene	ND	1.2	2.5		4-Methyl-2-Pentanone	ND	3.8	2.5	
Chloroethane	ND	1.2	2.5		o-Xylene	ND	1.2	2.5	
Chloroform	120	1.2	2.5		p/m-Xylene	ND	5.0	2.5	
Chloromethane	ND	1.2	2.5		Styrene	ND	3.8	2.5	
Dibromochloromethane	ND	1.2	2.5		Tetrachloroethene	1500	50	100	
Dichlorodifluoromethane	ND	1.2	2.5		Toluene	ND	1.2	2.5	
1,1-Dichloroethane	5.3	1.2	2.5		Trichloroethene	220	1.2	2.5	
1,1-Dichloroethene	170	1.2	2.5		Trichlorofluoromethane	4.2	2.5	2.5	
1,2-Dibromoethane	ND	1.2	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	8.5	3.8	2.5	
Dichlorotetrafluoroethane	ND	5.0	2.5		1,1,1-Trichloroethane	ND	1.2	2.5	
1,2-Dichlorobenzene	ND	1.2	2.5		1,1,2-Trichloroethane	ND	1.2	2.5	
1,2-Dichloroethane	ND	1.2	2.5		1,3,5-Trimethylbenzene	ND	1.2	2.5	
1,2-Dichloropropane	ND	1.2	2.5		1,1,2,2-Tetrachloroethane	ND	2.5	2.5	
1,3-Dichlorobenzene	ND	1.2	2.5		1,2,4-Trimethylbenzene	ND	3.8	2.5	
1,4-Dichlorobenzene	ND	1.2	2.5		1,2,4-Trichlorobenzene	ND	5.0	2.5	
1,4-Dioxane	ND	25	2.5		Vinyl Acetate	ND	5.0	2.5	
c-1,3-Dichloropropene	ND	1.2	2.5		Vinyl Chloride	ND	1.2	2.5	
c-1,2-Dichloroethene	1.5	1.2	2.5		Isopropanol	ND	12	2.5	

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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-10-A**	**03/30/12 13:40**	**Air**	**GC/MS II**	**N/A**	**04/01/12 00:13**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	27	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	850	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Toluene	ND	5.0	10	
1,1-Dichloroethane	ND	5.0	10		Trichloroethene	83	5.0	10	
1,1-Dichloroethene	120	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	100	57-129		1,2-Dichloroethane-d4	107	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-11-A**	**03/30/12 13:42**	**Air**	**GC/MS II**	**N/A**	**04/01/12 05:52**	**120331L01**

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	200	10	20		p/m-Xylene	ND	40	20	
Chloromethane	ND	10	20		Styrene	ND	30	20	
Dibromochloromethane	ND	10	20		Tetrachloroethene	7900	100	200	
Dichlorodifluoromethane	ND	10	20		Toluene	ND	10	20	
1,1-Dichloroethane	15	10	20		Trichloroethene	640	10	20	
1,1-Dichloroethene	890	10	20		Trichlorofluoromethane	70	20	20	
1,2-Dibromoethane	ND	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	180	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	95	57-129		1,2-Dichloroethane-d4	109	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,924**	**N/A**	**Air**	**GC/MS II**	**N/A**	**03/31/12 13:08**	**120331L01**

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	97	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,936**	**N/A**	**Air**	**GC/MS II**	**N/A**	**04/02/12 17:30**	**120402L01**

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	101	57-129		1,2-Dichloroethane-d4	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,939**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/03/12 16:10**	**120403L01**

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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,944**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/04/12 15:25**	**120404L01**

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	87	57-129		1,2-Dichloroethane-d4	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-1-A**	**03/30/12 13:04**	**Air**	**GC/MS II**	**N/A**	**04/02/12 18:45**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	590	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	960	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	130	17	5	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	30	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	111	57-129		1,2-Dichloroethane-d4	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-2-A**	**03/30/12 13:06**	**Air**	**GC/MS II**	**N/A**	**03/31/12 17:15**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	12	2.5		t-1,2-Dichloroethene	ND	5.0	2.5	
Benzene	4.3	4.0	2.5		t-1,3-Dichloropropene	ND	11	2.5	
Benzyl Chloride	ND	19	2.5		Ethylbenzene	ND	5.4	2.5	
Bromodichloromethane	ND	8.4	2.5		4-Ethyltoluene	ND	6.1	2.5	
Bromoform	ND	13	2.5		Hexachloro-1,3-Butadiene	ND	40	2.5	
Bromomethane	ND	4.9	2.5		Hexane	ND	18	2.5	
2-Butanone	ND	11	2.5		2-Hexanone	ND	15	2.5	
Carbon Disulfide	ND	16	2.5		Methyl-t-Butyl Ether (MTBE)	ND	18	2.5	
Carbon Tetrachloride	ND	7.9	2.5		Methylene Chloride	ND	43	2.5	
Chlorobenzene	ND	5.8	2.5		4-Methyl-2-Pentanone	ND	15	2.5	
Chloroethane	ND	3.3	2.5		o-Xylene	ND	5.4	2.5	
Chloroform	150	6.1	2.5		p/m-Xylene	ND	22	2.5	
Chloromethane	ND	2.6	2.5		Styrene	ND	16	2.5	
Dibromochloromethane	ND	11	2.5		Tetrachloroethene	7500	85	25	
Dichlorodifluoromethane	ND	6.2	2.5		Toluene	9.5	4.7	2.5	
1,1-Dichloroethane	10	5.1	2.5		Trichloroethene	420	6.7	2.5	
1,1-Dichloroethene	650	5.0	2.5		Trichlorofluoromethane	150	14	2.5	
1,2-Dibromoethane	ND	9.6	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	570	29	2.5	
Dichlorotetrafluoroethane	ND	35	2.5		1,1,1-Trichloroethane	ND	6.8	2.5	
1,2-Dichlorobenzene	ND	7.5	2.5		1,1,2-Trichloroethane	ND	6.8	2.5	
1,2-Dichloroethane	14	5.1	2.5		1,3,5-Trimethylbenzene	ND	6.1	2.5	
1,2-Dichloropropane	ND	5.8	2.5		1,1,2,2-Tetrachloroethane	ND	17	2.5	
1,3-Dichlorobenzene	ND	7.5	2.5		1,2,4-Trimethylbenzene	ND	18	2.5	
1,4-Dichlorobenzene	ND	7.5	2.5		1,2,4-Trichlorobenzene	ND	37	2.5	
1,4-Dioxane	ND	90	2.5		Vinyl Acetate	ND	18	2.5	
c-1,3-Dichloropropene	ND	5.7	2.5		Vinyl Chloride	ND	3.2	2.5	
c-1,2-Dichloroethene	ND	5.0	2.5		Isopropanol	ND	31	2.5	

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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-3-A**	**03/30/12 13:20**	**Air**	**GC/MS II**	**N/A**	**04/02/12 19:32**	**120402L01**

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	2400	98	40		p/m-Xylene	ND	350	40	
Chloromethane	ND	41	40		Styrene	ND	260	40	
Dibromochloromethane	ND	170	40		Tetrachloroethene	190000	1400	400	
Dichlorodifluoromethane	ND	99	40		Toluene	ND	75	40	
1,1-Dichloroethane	120	81	40		Trichloroethene	5200	110	40	
1,1-Dichloroethene	8700	79	40		Trichlorofluoromethane	2600	220	40	
1,2-Dibromoethane	ND	150	40		1,1,2-Trichloro-1,2,2-Trifluoroethane	13000	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	104	47-137	
Toluene-d8	85	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-4-A**	**03/30/12 13:22**	**Air**	**GC/MS II**	**N/A**	**03/31/12 18:48**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	24	5		t-1,2-Dichloroethene	10	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	400	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	26000	340	100	
Dichlorodifluoromethane	ND	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	28	10	5		Trichloroethene	1400	13	5	
1,1-Dichloroethene	1900	9.9	5		Trichlorofluoromethane	100	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	500	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	22	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	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-5-A**	**03/30/12 13:24**	**Air**	**GC/MS II**	**N/A**	**03/31/12 19:33**	**120331L01**

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	21	12	5		p/m-Xylene	ND	43	5	
Chloromethane	ND	5.2	5		Styrene	ND	32	5	
Dibromochloromethane	ND	21	5		Tetrachloroethene	6400	340	100	
Dichlorodifluoromethane	15	12	5		Toluene	ND	9.4	5	
1,1-Dichloroethane	ND	10	5		Trichloroethene	280	13	5	
1,1-Dichloroethene	3500	200	100		Trichlorofluoromethane	850	28	5	
1,2-Dibromoethane	ND	19	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	6400	1100	100	
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	107	57-129		1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	90	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-6-A**	**03/30/12 13:26**	**Air**	**GC/MS II**	**N/A**	**04/02/12 21:51**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	95	20		t-1,2-Dichloroethene	53	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	2100	49	20		p/m-Xylene	ND	170	20	
Chloromethane	ND	21	20		Styrene	ND	130	20	
Dibromochloromethane	ND	85	20		Tetrachloroethene	93000	680	200	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	92	40	20		Trichloroethene	5900	54	20	
1,1-Dichloroethene	7000	40	20		Trichlorofluoromethane	230	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	290	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	116	57-129		1,2-Dichloroethane-d4	111	47-137	
Toluene-d8	85	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-7-A**	**03/30/12 13:28**	**Air**	**GC/MS II**	**N/A**	**04/02/12 22:37**	**120402L01**

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	4200	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	130	81	40		Trichloroethene	7600	110	40	
1,1-Dichloroethene	14000	79	40		Trichlorofluoromethane	5700	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	160	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	114	57-129		1,2-Dichloroethane-d4	112	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-8-A**	**03/30/12 13:36**	**Air**	**GC/MS II**	**N/A**	**03/31/12 21:53**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	38	8		t-1,2-Dichloroethene	19	16	8	
Benzene	14	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	2600	20	8		p/m-Xylene	ND	69	8	
Chloromethane	ND	8.3	8		Styrene	ND	51	8	
Dibromochloromethane	ND	34	8		Tetrachloroethene	40000	680	200	
Dichlorodifluoromethane	ND	20	8		Toluene	65	15	8	
1,1-Dichloroethane	63	16	8		Trichloroethene	2900	21	8	
1,1-Dichloroethene	1600	16	8		Trichlorofluoromethane	460	45	8	
1,2-Dibromoethane	ND	31	8		1,1,2-Trichloro-1,2,2-Trifluoroethane	5400	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	25	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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-9-A**	**03/30/12 13:38**	**Air**	**GC/MS II**	**N/A**	**03/31/12 22:40**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	24	12	2.5		t-1,2-Dichloroethene	ND	5.0	2.5	
Benzene	ND	4.0	2.5		t-1,3-Dichloropropene	ND	11	2.5	
Benzyl Chloride	ND	19	2.5		Ethylbenzene	ND	5.4	2.5	
Bromodichloromethane	9.8	8.4	2.5		4-Ethyltoluene	ND	6.1	2.5	
Bromoform	ND	13	2.5		Hexachloro-1,3-Butadiene	ND	40	2.5	
Bromomethane	ND	4.9	2.5		Hexane	ND	18	2.5	
2-Butanone	23	11	2.5		2-Hexanone	ND	15	2.5	
Carbon Disulfide	ND	16	2.5		Methyl-t-Butyl Ether (MTBE)	ND	18	2.5	
Carbon Tetrachloride	ND	7.9	2.5		Methylene Chloride	ND	43	2.5	
Chlorobenzene	ND	5.8	2.5		4-Methyl-2-Pentanone	ND	15	2.5	
Chloroethane	ND	3.3	2.5		o-Xylene	ND	5.4	2.5	
Chloroform	610	6.1	2.5		p/m-Xylene	ND	22	2.5	
Chloromethane	ND	2.6	2.5		Styrene	ND	16	2.5	
Dibromochloromethane	ND	11	2.5		Tetrachloroethene	9800	340	100	
Dichlorodifluoromethane	ND	6.2	2.5		Toluene	ND	4.7	2.5	
1,1-Dichloroethane	22	5.1	2.5		Trichloroethene	1200	6.7	2.5	
1,1-Dichloroethene	660	5.0	2.5		Trichlorofluoromethane	23	14	2.5	
1,2-Dibromoethane	ND	9.6	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	65	29	2.5	
Dichlorotetrafluoroethane	ND	35	2.5		1,1,1-Trichloroethane	ND	6.8	2.5	
1,2-Dichlorobenzene	ND	7.5	2.5		1,1,2-Trichloroethane	ND	6.8	2.5	
1,2-Dichloroethane	ND	5.1	2.5		1,3,5-Trimethylbenzene	ND	6.1	2.5	
1,2-Dichloropropane	ND	5.8	2.5		1,1,2,2-Tetrachloroethane	ND	17	2.5	
1,3-Dichlorobenzene	ND	7.5	2.5		1,2,4-Trimethylbenzene	ND	18	2.5	
1,4-Dichlorobenzene	ND	7.5	2.5		1,2,4-Trichlorobenzene	ND	37	2.5	
1,4-Dioxane	ND	90	2.5		Vinyl Acetate	ND	18	2.5	
c-1,3-Dichloropropene	ND	5.7	2.5		Vinyl Chloride	ND	3.2	2.5	
c-1,2-Dichloroethene	6.1	5.0	2.5		Isopropanol	ND	31	2.5	

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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-10-A**	**03/30/12 13:40**	**Air**	**GC/MS II**	**N/A**	**04/01/12 00:13**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	63	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	93	24	10		p/m-Xylene	ND	87	10	
Chloromethane	ND	10	10		Styrene	ND	64	10	
Dibromochloromethane	ND	43	10		Tetrachloroethene	5800	34	10	
Dichlorodifluoromethane	ND	25	10		Toluene	ND	19	10	
1,1-Dichloroethane	ND	20	10		Trichloroethene	450	27	10	
1,1-Dichloroethene	480	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	100	57-129		1,2-Dichloroethane-d4	107	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-11-A**	**03/30/12 13:42**	**Air**	**GC/MS II**	**N/A**	**04/01/12 05:52**	**120331L01**

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	990	49	20		p/m-Xylene	ND	170	20	
Chloromethane	ND	21	20		Styrene	ND	130	20	
Dibromochloromethane	ND	85	20		Tetrachloroethene	54000	680	200	
Dichlorodifluoromethane	ND	49	20		Toluene	ND	38	20	
1,1-Dichloroethane	59	40	20		Trichloroethene	3400	54	20	
1,1-Dichloroethene	3500	40	20		Trichlorofluoromethane	390	110	20	
1,2-Dibromoethane	ND	77	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	1300	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	95	57-129		1,2-Dichloroethane-d4	109	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,924**	**N/A**	**Air**	**GC/MS II**	**N/A**	**03/31/12 13:08**	**120331L01**

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	97	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,936**	**N/A**	**Air**	**GC/MS II**	**N/A**	**04/02/12 17:30**	**120402L01**

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	101	57-129		1,2-Dichloroethane-d4	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,939**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/03/12 16:10**	**120403L01**

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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,944**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/04/12 15:25**	**120404L01**

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	87	57-129		1,2-Dichloroethane-d4	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-12-A**	**03/30/12 13:02**	**Air**	**GC/MS II**	**N/A**	**04/03/12 01:42**	**120402L01**

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	15000	200	400	
Carbon Tetrachloride	ND	10	20		Toluene	ND	10	20	
Chloroform	630	10	20		Trichloroethene	1200	10	20	
Dichlorodifluoromethane	ND	10	20		Trichlorofluoromethane	570	20	20	
1,1-Dichloroethane	29	10	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	1700	30	20	
1,1-Dichloroethene	3200	200	400		1,1,1-Trichloroethane	ND	10	20	
1,2-Dichloroethane	21	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	121	47-137	
Toluene-d8	93	78-156					

OC_SVE2_MID_GAC_033012	**12-03-2047-13-A**	**03/30/12 13:00**	**Air**	**GC/MS II**	**N/A**	**04/01/12 07:24**	**120331L01**

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	16	5.0	10	
Carbon Tetrachloride	ND	5.0	10		Toluene	ND	5.0	10	
Chloroform	130	5.0	10		Trichloroethene	ND	5.0	10	
Dichlorodifluoromethane	ND	5.0	10		Trichlorofluoromethane	750	10	10	
1,1-Dichloroethane	30	5.0	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	130	15	10	
1,1-Dichloroethene	8400	100	200		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	101	57-129		1,2-Dichloroethane-d4	114	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-14-A**	**03/30/12 12:58**	**Air**	**GC/MS II**	**N/A**	**03/31/12 23:27**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.4	1.2	2.5		Methylene Chloride	ND	12	2.5	
2-Butanone	ND	3.8	2.5		o-Xylene	ND	1.2	2.5	
Carbon Disulfide	ND	5.0	2.5		Tetrachloroethene	ND	1.2	2.5	
Carbon Tetrachloride	ND	1.2	2.5		Toluene	ND	1.2	2.5	
Chloroform	ND	1.2	2.5		Trichloroethene	ND	1.2	2.5	
Dichlorodifluoromethane	5.2	1.2	2.5		Trichlorofluoromethane	1100	100	100	
1,1-Dichloroethane	ND	1.2	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	3.8	2.5	
1,1-Dichloroethene	670	50	100		1,1,1-Trichloroethane	ND	1.2	2.5	
1,2-Dichloroethane	ND	1.2	2.5		1,1,2-Trichloroethane	ND	1.2	2.5	
1,4-Dioxane	ND	25	2.5		Vinyl Chloride	ND	1.2	2.5	
Hexane	ND	5.0	2.5		Isopropanol	ND	12	2.5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	112	47-137	
Toluene-d8	96	78-156					

Method Blank	**095-01-021-9,924**	**N/A**	**Air**	**GC/MS II**	**N/A**	**03/31/12 13:08**	**120331L01**

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	98	57-129		1,2-Dichloroethane-d4	97	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,936**	**N/A**	**Air**	**GC/MS II**	**N/A**	**04/02/12 17:30**	**120402L01**

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	101	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-9,939**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/03/12 16:10**	**120403L01**

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	90	57-129		1,2-Dichloroethane-d4	97	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_033012	**12-03-2047-12-A**	**03/30/12 13:02**	**Air**	**GC/MS II**	**N/A**	**04/03/12 01:42**	**120402L01**

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	98000	1400	400	
Carbon Tetrachloride	ND	63	20		Toluene	ND	38	20	
Chloroform	3100	49	20		Trichloroethene	6700	54	20	
Dichlorodifluoromethane	ND	49	20		Trichlorofluoromethane	3200	110	20	
1,1-Dichloroethane	120	40	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	13000	230	20	
1,1-Dichloroethene	13000	790	400		1,1,1-Trichloroethane	ND	55	20	
1,2-Dichloroethane	85	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	121	47-137	
Toluene-d8	93	78-156					

OC_SVE2_MID_GAC_033012	**12-03-2047-13-A**	**03/30/12 13:00**	**Air**	**GC/MS II**	**N/A**	**04/01/12 07:24**	**120331L01**

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	110	34	10	
Carbon Tetrachloride	ND	31	10		Toluene	ND	19	10	
Chloroform	610	24	10		Trichloroethene	ND	27	10	
Dichlorodifluoromethane	ND	25	10		Trichlorofluoromethane	4200	56	10	
1,1-Dichloroethane	120	20	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	970	110	10	
1,1-Dichloroethene	33000	400	200		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	101	57-129		1,2-Dichloroethane-d4	114	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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_SVE2_EFF_GAC_033012	**12-03-2047-14-A**	**03/30/12 12:58**	**Air**	**GC/MS II**	**N/A**	**03/31/12 23:27**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	11	4.0	2.5		Methylene Chloride	ND	43	2.5	
2-Butanone	ND	11	2.5		o-Xylene	ND	5.4	2.5	
Carbon Disulfide	ND	16	2.5		Tetrachloroethene	ND	8.5	2.5	
Carbon Tetrachloride	ND	7.9	2.5		Toluene	ND	4.7	2.5	
Chloroform	ND	6.1	2.5		Trichloroethene	ND	6.7	2.5	
Dichlorodifluoromethane	26	6.2	2.5		Trichlorofluoromethane	5900	560	100	
1,1-Dichloroethane	ND	5.1	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	29	2.5	
1,1-Dichloroethene	2700	200	100		1,1,1-Trichloroethane	ND	6.8	2.5	
1,2-Dichloroethane	ND	5.1	2.5		1,1,2-Trichloroethane	ND	6.8	2.5	
1,4-Dioxane	ND	90	2.5		Vinyl Chloride	ND	3.2	2.5	
Hexane	ND	18	2.5		Isopropanol	ND	31	2.5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	112	47-137	
Toluene-d8	96	78-156					

Method Blank	**095-01-021-9,924**	**N/A**	**Air**	**GC/MS II**	**N/A**	**03/31/12 13:08**	**120331L01**

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	98	57-129		1,2-Dichloroethane-d4	97	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2047
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	**095-01-021-9,936**	**N/A**	**Air**	**GC/MS II**	**N/A**	**04/02/12 17:30**	**120402L01**

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	101	57-129		1,2-Dichloroethane-d4	104	47-137	
Toluene-d8	97	78-156					

Method Blank	**095-01-021-9,939**	**N/A**	**Air**	**GC/MS K**	**N/A**	**04/03/12 16:10**	**120403L01**

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	90	57-129		1,2-Dichloroethane-d4	97	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,924	**Air**	**GC/MS II**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	93	92	50-150	33-167	2	0-35	
n-Propylbenzene	25.00	90	88	50-150	33-167	2	0-35	
Acetone	25.00	137	98	50-150	33-167	33	0-35	
Benzene	25.00	102	101	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	125	122	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	106	103	50-150	33-167	2	0-35	
Bromoform	25.00	116	113	62-134	50-146	2	0-38	
Bromomethane	25.00	110	107	50-150	33-167	2	0-35	
1,3-Butadiene	25.00	112	109	50-150	33-167	3	0-35	
2-Butanone	25.00	103	102	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	99	97	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	109	106	64-154	49-169	3	0-32	
Chlorobenzene	25.00	102	100	50-150	33-167	2	0-35	
Chloroethane	25.00	112	109	50-150	33-167	3	0-35	
Chloroform	25.00	100	98	50-150	33-167	2	0-35	
Chloromethane	25.00	114	112	50-150	33-167	2	0-35	
Cyclohexane	25.00	100	98	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	111	109	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	102	98	50-150	33-167	4	0-35	
Diisopropyl Ether (DIPE)	25.00	87	86	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	98	97	50-150	33-167	2	0-35	
1,1-Dichloroethene	25.00	97	96	50-150	33-167	2	0-35	
1,2-Dibromoethane	25.00	107	104	54-144	39-159	2	0-36	
Dichlorotetrafluoroethane	25.00	107	104	50-150	33-167	2	0-35	
1,2-Dichlorobenzene	25.00	115	113	34-160	13-181	2	0-47	
1,2-Dichloroethane	25.00	102	99	69-153	55-167	3	0-35	
1,2-Dichloropropane	25.00	99	98	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	110	108	50-150	33-167	2	0-35	
1,4-Dichlorobenzene	25.00	113	110	36-156	16-176	2	0-47	
1,4-Dioxane	25.00	99	100	50-150	33-167	1	0-35	
c-1,3-Dichloropropene	25.00	108	107	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	102	101	50-150	33-167	2	0-35	
t-1,2-Dichloroethene	25.00	98	97	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,924	**Air**	**GC/MS II**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	119	118	50-150	33-167	1	0-35	
Ethanol	100.0	83	82	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	109	105	50-150	33-167	3	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	97	96	50-150	33-167	1	0-35	
Ethylbenzene	25.00	105	103	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	108	106	50-150	33-167	2	0-35	
Heptane	25.00	99	100	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	139	137	50-150	33-167	2	0-35	
Hexane	25.00	98	97	50-150	33-167	1	0-35	
2-Hexanone	25.00	103	103	50-150	33-167	1	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	100	99	50-150	33-167	1	0-35	
Methylene Chloride	25.00	95	93	50-150	33-167	2	0-35	
4-Methyl-2-Pentanone	25.00	104	104	50-150	33-167	0	0-35	
Naphthalene	25.00	155	151	40-190	15-215	3	0-35	
o-Xylene	25.00	104	102	52-148	36-164	2	0-38	
p/m-Xylene	50.00	103	101	42-156	23-175	2	0-41	
Propene	25.00	104	103	50-150	33-167	1	0-35	
Styrene	25.00	103	102	50-150	33-167	2	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	97	97	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	50.00	92	92	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	104	102	56-152	40-168	2	0-40	
Tetrahydrofuran	25.00	99	99	50-150	33-167	0	0-35	
Toluene	25.00	102	100	56-146	41-161	1	0-43	
Trichloroethene	25.00	103	101	63-159	47-175	2	0-34	
Trichlorofluoromethane	25.00	120	115	50-150	33-167	4	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	106	104	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	107	104	50-150	33-167	2	0-35	
1,1,2-Trichloroethane	25.00	102	101	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	95	93	50-150	33-167	2	0-35	
Acrolein	25.00	103	100	50-150	33-167	3	0-35	
Acrylonitrile	25.00	91	90	50-150	33-167	1	0-35	
Methyl Methacrylate	25.00	105	104	50-150	33-167	1	0-35	
Propane	50.00	1	0	50-150	33-167	200	0-35	X

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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,924	**Air**	**GC/MS II**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	105	102	50-150	33-167	3	0-35	
Methanol	75.00	52	50	50-150	33-167	3	0-35	
2,2,4-Trimethyl Pentane	25.00	93	92	50-150	33-167	1	0-35	
Isobutane	50.00	102	100	50-150	33-167	2	0-35	
1,1,1,2-Tetrafluoroethane	25.00	98	96	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	106	103	50-150	33-167	2	0-35	
1,1,2,2-Tetrachloroethane	25.00	101	99	50-150	33-167	2	0-35	
1,2,4-Trimethylbenzene	25.00	111	109	50-150	33-167	2	0-35	
1,2,4-Trichlorobenzene	25.00	165	161	50-150	33-167	3	0-35	ME
Vinyl Acetate	25.00	89	88	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	109	106	45-177	23-199	3	0-36	
1,1-Difluoroethane	25.00	95	93	50-150	33-167	1	0-35	
Isopropanol	25.00	105	105	50-150	33-167	0	0-35	
2-Chlorotoluene	25.00	104	102	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,936	**Air**	**GC/MS II**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	95	94	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	91	90	50-150	33-167	1	0-35	
Acetone	25.00	104	142	50-150	33-167	31	0-35	
Benzene	25.00	103	104	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	129	126	50-150	33-167	2	0-35	
Bromodichloromethane	25.00	109	108	50-150	33-167	1	0-35	
Bromoform	25.00	121	119	62-134	50-146	2	0-38	
Bromomethane	25.00	113	113	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	117	116	50-150	33-167	1	0-35	
2-Butanone	25.00	106	107	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	100	101	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	113	112	64-154	49-169	1	0-32	
Chlorobenzene	25.00	103	103	50-150	33-167	0	0-35	
Chloroethane	25.00	116	114	50-150	33-167	2	0-35	
Chloroform	25.00	102	102	50-150	33-167	0	0-35	
Chloromethane	25.00	119	118	50-150	33-167	1	0-35	
Cyclohexane	25.00	101	102	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	115	114	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	108	103	50-150	33-167	4	0-35	
Diisopropyl Ether (DIPE)	25.00	89	90	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	100	101	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	100	100	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	109	109	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	110	109	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	117	115	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	104	103	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	101	102	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	113	111	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	114	113	36-156	16-176	1	0-47	
1,4-Dioxane	25.00	102	101	50-150	33-167	0	0-35	
c-1,3-Dichloropropene	25.00	110	111	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	102	104	50-150	33-167	2	0-35	
t-1,2-Dichloroethene	25.00	99	99	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,936	**Air**	**GC/MS II**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	122	122	50-150	33-167	0	0-35	
Ethanol	100.0	88	87	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	108	111	50-150	33-167	2	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	98	100	50-150	33-167	2	0-35	
Ethylbenzene	25.00	107	106	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	110	109	50-150	33-167	1	0-35	
Heptane	25.00	101	103	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	140	136	50-150	33-167	3	0-35	
Hexane	25.00	99	100	50-150	33-167	1	0-35	
2-Hexanone	25.00	106	106	50-150	33-167	0	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	102	103	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	106	107	50-150	33-167	1	0-35	
Naphthalene	25.00	155	148	40-190	15-215	4	0-35	
o-Xylene	25.00	106	105	52-148	36-164	1	0-38	
p/m-Xylene	50.00	106	104	42-156	23-175	2	0-41	
Propene	25.00	107	107	50-150	33-167	0	0-35	
Styrene	25.00	104	104	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	100	101	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	96	96	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	106	105	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	100	102	50-150	33-167	2	0-35	
Toluene	25.00	104	103	56-146	41-161	0	0-43	
Trichloroethene	25.00	105	105	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	112	121	50-150	33-167	8	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	108	108	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	25.00	109	108	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	103	104	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	98	97	50-150	33-167	1	0-35	
Acrolein	25.00	106	127	50-150	33-167	18	0-35	
Acrylonitrile	25.00	91	93	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	107	107	50-150	33-167	1	0-35	
Propane	50.00	0	0	50-150	33-167	0	0-35	X

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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,936	**Air**	**GC/MS II**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	110	108	50-150	33-167	1	0-35	
Methanol	75.00	52	50	50-150	33-167	3	0-35	
2,2,4-Trimethyl Pentane	25.00	95	96	50-150	33-167	1	0-35	
Isobutane	50.00	107	106	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	100	101	50-150	33-167	1	0-35	
1,3,5-Trimethylbenzene	25.00	107	106	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	103	103	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	113	111	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	166	161	50-150	33-167	3	0-35	ME
Vinyl Acetate	25.00	91	92	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	112	112	45-177	23-199	0	0-36	
1,1-Difluoroethane	25.00	96	97	50-150	33-167	1	0-35	
Isopropanol	25.00	109	110	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	106	105	50-150	33-167	1	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,939	**Air**	**GC/MS K**	**N/A**	**04/03/12**	**120403L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	95	94	50-150	33-167	1	0-35	
n-Propylbenzene	25.00	93	92	50-150	33-167	1	0-35	
Acetone	25.00	93	92	50-150	33-167	1	0-35	
Benzene	25.00	94	92	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	108	109	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	99	98	50-150	33-167	1	0-35	
Bromoform	25.00	111	109	62-134	50-146	2	0-38	
Bromomethane	25.00	103	102	50-150	33-167	0	0-35	
1,3-Butadiene	25.00	96	97	50-150	33-167	0	0-35	
2-Butanone	25.00	89	88	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	101	100	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	104	103	64-154	49-169	1	0-32	
Chlorobenzene	25.00	99	98	50-150	33-167	1	0-35	
Chloroethane	25.00	105	104	50-150	33-167	0	0-35	
Chloroform	25.00	95	95	50-150	33-167	0	0-35	
Chloromethane	25.00	99	98	50-150	33-167	1	0-35	
Cyclohexane	25.00	95	94	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	105	104	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	99	98	50-150	33-167	1	0-35	
Diisopropyl Ether (DIPE)	25.00	83	83	50-150	33-167	0	0-35	
1,1-Dichloroethane	25.00	99	98	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	99	98	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	103	102	54-144	39-159	1	0-36	
Dichlorotetrafluoroethane	25.00	101	100	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	89	91	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	94	94	69-153	55-167	0	0-35	
1,2-Dichloropropane	25.00	96	95	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	94	94	50-150	33-167	1	0-35	
1,4-Dichlorobenzene	25.00	89	89	36-156	16-176	0	0-47	
1,4-Dioxane	25.00	99	99	50-150	33-167	0	0-35	
c-1,3-Dichloropropene	25.00	102	101	61-157	45-173	1	0-35	
c-1,2-Dichloroethene	25.00	96	95	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	100	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,939	**Air**	**GC/MS K**	**N/A**	**04/03/12**	**120403L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	107	106	50-150	33-167	1	0-35	
Ethanol	100.0	96	96	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	98	96	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	97	96	50-150	33-167	1	0-35	
Ethylbenzene	25.00	101	99	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	95	94	50-150	33-167	1	0-35	
Heptane	25.00	98	97	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	140	136	50-150	33-167	3	0-35	
Hexane	25.00	93	93	50-150	33-167	0	0-35	
2-Hexanone	25.00	102	100	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	95	95	50-150	33-167	1	0-35	
Methylene Chloride	25.00	96	95	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	96	96	50-150	33-167	0	0-35	
Naphthalene	25.00	117	113	40-190	15-215	3	0-35	
o-Xylene	25.00	96	95	52-148	36-164	1	0-38	
p/m-Xylene	50.00	103	102	42-156	23-175	1	0-41	
Propene	25.00	83	79	50-150	33-167	5	0-35	
Styrene	25.00	95	94	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	101	99	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	50.00	100	99	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	105	104	56-152	40-168	1	0-40	
Tetrahydrofuran	25.00	89	89	50-150	33-167	0	0-35	
Toluene	25.00	98	97	56-146	41-161	1	0-43	
Trichloroethene	25.00	97	97	63-159	47-175	1	0-34	
Trichlorofluoromethane	25.00	99	98	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	102	101	50-150	33-167	1	0-35	
1,1,1-Trichloroethane	25.00	99	98	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	97	97	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	96	95	50-150	33-167	1	0-35	
Acrolein	25.00	97	95	50-150	33-167	2	0-35	
Acrylonitrile	25.00	99	97	50-150	33-167	2	0-35	
Methyl Methacrylate	25.00	99	97	50-150	33-167	1	0-35	
Propane	50.00	73	70	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,939	**Air**	**GC/MS K**	**N/A**	**04/03/12**	**120403L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	96	93	50-150	33-167	2	0-35	
Methanol	75.00	89	93	50-150	33-167	5	0-35	
2,2,4-Trimethyl Pentane	25.00	94	94	50-150	33-167	0	0-35	
Isobutane	50.00	94	93	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	94	92	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	94	94	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	103	101	50-150	33-167	1	0-35	
1,2,4-Trimethylbenzene	25.00	92	91	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	135	131	50-150	33-167	3	0-35	
Vinyl Acetate	25.00	90	89	50-150	33-167	1	0-35	
Vinyl Chloride	25.00	100	99	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	93	91	50-150	33-167	2	0-35	
Isopropanol	25.00	95	93	50-150	33-167	2	0-35	
2-Chlorotoluene	25.00	94	93	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,944	**Air**	**GC/MS K**	**N/A**	**04/04/12**	**120404L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	91	87	50-150	33-167	5	0-35	
n-Propylbenzene	25.00	87	83	50-150	33-167	5	0-35	
Acetone	25.00	95	91	50-150	33-167	4	0-35	
Benzene	25.00	96	93	60-156	44-172	4	0-40	
Benzyl Chloride	25.00	106	100	50-150	33-167	6	0-35	
Bromodichloromethane	25.00	104	99	50-150	33-167	5	0-35	
Bromoform	25.00	118	113	62-134	50-146	5	0-38	
Bromomethane	25.00	120	116	50-150	33-167	3	0-35	
1,3-Butadiene	25.00	98	94	50-150	33-167	4	0-35	
2-Butanone	25.00	92	90	50-150	33-167	2	0-35	
Carbon Disulfide	25.00	133	129	50-150	33-167	3	0-35	
Carbon Tetrachloride	25.00	111	108	64-154	49-169	4	0-32	
Chlorobenzene	25.00	101	97	50-150	33-167	5	0-35	
Chloroethane	25.00	120	117	50-150	33-167	2	0-35	
Chloroform	25.00	97	94	50-150	33-167	3	0-35	
Chloromethane	25.00	110	106	50-150	33-167	3	0-35	
Cyclohexane	25.00	97	93	50-150	33-167	4	0-35	
Dibromochloromethane	25.00	111	107	50-150	33-167	4	0-35	
Dichlorodifluoromethane	25.00	111	108	50-150	33-167	3	0-35	
Diisopropyl Ether (DIPE)	25.00	85	82	50-150	33-167	3	0-35	
1,1-Dichloroethane	25.00	101	97	50-150	33-167	4	0-35	
1,1-Dichloroethene	25.00	105	102	50-150	33-167	3	0-35	
1,2-Dibromoethane	25.00	107	103	54-144	39-159	4	0-36	
Dichlorotetrafluoroethane	25.00	99	96	50-150	33-167	3	0-35	
1,2-Dichlorobenzene	25.00	84	80	34-160	13-181	5	0-47	
1,2-Dichloroethane	25.00	99	95	69-153	55-167	4	0-35	
1,2-Dichloropropane	25.00	99	95	67-157	52-172	3	0-35	
1,3-Dichlorobenzene	25.00	93	89	50-150	33-167	5	0-35	
1,4-Dichlorobenzene	25.00	88	84	36-156	16-176	5	0-47	
1,4-Dioxane	25.00	91	88	50-150	33-167	4	0-35	
c-1,3-Dichloropropene	25.00	105	101	61-157	45-173	4	0-35	
c-1,2-Dichloroethene	25.00	97	93	50-150	33-167	4	0-35	
t-1,2-Dichloroethene	25.00	101	96	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,944	**Air**	**GC/MS K**	**N/A**	**04/04/12**	**120404L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	116	112	50-150	33-167	4	0-35	
Ethanol	100.0	77	73	50-150	33-167	5	0-35	
Ethyl Acetate	25.00	97	95	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	95	92	50-150	33-167	4	0-35	
Ethylbenzene	25.00	105	101	52-154	35-171	4	0-38	
4-Ethyltoluene	25.00	98	94	50-150	33-167	5	0-35	
Heptane	25.00	98	96	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	86	83	50-150	33-167	3	0-35	
Hexane	25.00	100	97	50-150	33-167	3	0-35	
2-Hexanone	25.00	102	98	50-150	33-167	4	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	95	92	50-150	33-167	4	0-35	
Methylene Chloride	25.00	114	111	50-150	33-167	3	0-35	
4-Methyl-2-Pentanone	25.00	97	93	50-150	33-167	5	0-35	
Naphthalene	25.00	61	58	40-190	15-215	5	0-35	
o-Xylene	25.00	100	95	52-148	36-164	5	0-38	
p/m-Xylene	50.00	110	106	42-156	23-175	4	0-41	
Propene	25.00	91	83	50-150	33-167	9	0-35	
Styrene	25.00	98	94	50-150	33-167	5	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	94	90	50-150	33-167	5	0-35	
Tert-Butyl Alcohol (TBA)	50.00	96	92	50-150	33-167	5	0-35	
Tetrachloroethene	25.00	110	106	56-152	40-168	3	0-40	
Tetrahydrofuran	25.00	92	89	50-150	33-167	4	0-35	
Toluene	25.00	105	101	56-146	41-161	3	0-43	
Trichloroethene	25.00	101	98	63-159	47-175	4	0-34	
Trichlorofluoromethane	25.00	110	108	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	113	110	50-150	33-167	3	0-35	
1,1,1-Trichloroethane	25.00	103	99	50-150	33-167	3	0-35	
1,1,2-Trichloroethane	25.00	100	96	65-149	51-163	4	0-37	
1,2,3-Trichloropropane	25.00	97	92	50-150	33-167	5	0-35	
Acrolein	25.00	100	99	50-150	33-167	2	0-35	
Acrylonitrile	25.00	97	94	50-150	33-167	3	0-35	
Methyl Methacrylate	25.00	101	97	50-150	33-167	3	0-35	
Propane	50.00	87	76	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: 12-03-2047
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,944	**Air**	**GC/MS K**	**N/A**	**04/04/12**	**120404L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	99	96	50-150	33-167	4	0-35	
Methanol	75.00	39	64	50-150	33-167	50	0-35	ME,X
2,2,4-Trimethyl Pentane	25.00	95	92	50-150	33-167	3	0-35	
Isobutane	50.00	96	94	50-150	33-167	3	0-35	
1,1,1,2-Tetrafluoroethane	25.00	95	91	50-150	33-167	4	0-35	
1,3,5-Trimethylbenzene	25.00	97	93	50-150	33-167	4	0-35	
1,1,2,2-Tetrachloroethane	25.00	100	96	50-150	33-167	5	0-35	
1,2,4-Trimethylbenzene	25.00	94	90	50-150	33-167	5	0-35	
1,2,4-Trichlorobenzene	25.00	70	67	50-150	33-167	5	0-35	
Vinyl Acetate	25.00	86	82	50-150	33-167	5	0-35	
Vinyl Chloride	25.00	107	103	45-177	23-199	4	0-36	
1,1-Difluoroethane	25.00	95	91	50-150	33-167	5	0-35	
Isopropanol	25.00	89	85	50-150	33-167	4	0-35	
2-Chlorotoluene	25.00	102	97	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.

Summa Canister Vacuum Summary

Work Order Number: **12-03-2047**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SVE2_VE-20S_033012	-5.00	-29.50	LC460	Summa Canister 1L
OC_SVE2_VE-21S_033012	-5.00	-29.50	LC210	Summa Canister 1L
OC_SVE2_VE-22S_033012	-5.00	-29.60	LC079	Summa Canister 1L
OC_SVE2_VE-23S_033012	-5.00	-29.50	SLC027	Summa Canister 1L
OC_SVE2_VE-24S_033012	-5.00	-29.50	SLC062	Summa Canister 1L
OC_SVE2_VE-25S_033012	-5.00	-29.50	LC182	Summa Canister 1L
OC_SVE2_VE-26S_033012	-5.00	-29.50	SLC036	Summa Canister 1L
OC_SVE2_VE-27S_033012	-5.00	-29.60	LC074	Summa Canister 1L
OC_SVE2_VE-28S_033012	-5.00	-29.60	LC416	Summa Canister 1L
OC_SVE2_VE-29S_033012	-5.00	-29.60	LC070	Summa Canister 1L
OC_SVE2_VE-30S_033012	-5.00	-29.60	LC147	Summa Canister 1L
OC_SVE2_INF_GAC_033012	-2.00	-29.50	LC172	Summa Canister 1L
OC_SVE2_MID_GAC_033012	-2.00	-29.50	LC061	Summa Canister 1L
OC_SVE2_EFF_GAC_033012	-1.00	-29.50	SLC037	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-2047

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: 03/30/12
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 E-MAIL:

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA. ZIP: 90602
PROJECT CONTACT: Andrew Miller - amiller@ycobandhotmail.com
SAMPLER(S): (NAME / SIGNATURE) Carlton Hamm Jr.

P.O.NO.:
LAB CONTACT OR QUOTE NO.
LAB USE ONLY: 12-03-2047

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

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_SVE2_VE-20S_033012	SP-VE-20S	SV	1680	1L	NA	3/30/12	1301	-30	3/30/12	1304	-2	X				
2	OC_SVE2-VE-21S_033012	SP-VE-21S	SV	1179	1L	NA	3/30/12	1303	-30	3/30/12	1306	-2	X				
3	OC_SVE2-VE-22S_033012	SP-VE-22S	SV	1068	1L	NA	3/30/12	1317	-30	3/30/12	1320	-2	X				
4	OC_SVE2-VE-23S_033012	SP-VE-23S	SV	1251	1L	NA	3/30/12	1319	-30	3/30/12	1322	-2	X				
5	OC_SVE2-VE-24S_033012	SP-VE-24S	SV	1277	1L	NA	3/30/12	1321	-30	3/30/12	1324	-2	X				
6	OC_SVE2_VE-25S_033012	SP-VE-25S	SV	1210	1L	NA	3/30/12	1323	-30	3/30/12	1326	-2	X				
7	OC_SVE2_VE-26S_033012	SP-VE-26S	SV	1263	1L	NA	3/30/12	1325	-30	3/30/12	1328	-2	X				
8	OC_SVE2_VE-27S_033012	SP-VE-27S	SV	1017	1L	NA	3/30/12	1333	-30	3/30/12	1336	-2	X				
9	OC_SVE2_VE-28S_033012	SP-VE-28S	SV	1394	1L	NA	3/30/12	1335	-30	3/30/12	1338	-2	X				
10	OC_SVE2_VE-29S_033012	SP-VE-29S	SV	1021	1L	NA	3/30/12	1337	-30	3/30/12	1340	-2	X				
11	OC_SVE2_VE-30S_033012	SP-VE-30S	SV	1082	1L	NA	3/30/12	1339	-30	3/30/12	1342	-2	X				
12																	
13																	
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3/30/12	1422
Relinquished by: (Signature)	Received by: (Signature)	3/30/12	1710
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.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 03/30/12
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 E-MAIL:

CLIENT PROJECT NAME / NUMBER: Omega
PROJECT ADDRESS: 12520 Whittier Blvd.
CITY: Whittier STATE: CA. ZIP: 90602
PROJECT CONTACT: Andrew Miller-amiller@jacobandhofner.com

P.O.NO.:
LAB CONTACT OR QUOTE NO.
LAB USE ONLY: 0 3 - 2 0 4 7

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 2.3)

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 2.3)
12 1	OC_SVE2_INF_GAC_033012	SP-INF-GAC	SV	1142	1L	NA	3/30/12	1259	-30	3/30/12	1302	-2	X
13 2	OC_SVE2_MID_GAC_033012	SP-MID-GAC	SV	1019	1L	NA	3/30/12	1257	-30	3/30/12	1300	-2	X
14 3	OC_SVE2_EFF_GAC_033012	SP-EFF-GAC	SV	~~1142~~ 1248	1L	NA	3/30/12	1255	-30	3/30/12	1258	-2	X
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3/30/12	1420
		3/30/12	1710

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 #: 12-03-2047

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DC MAXIMS

DATE: 03/30/12

TEMPERATURE: Thermometer ID: SC3 (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: PS

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:** PS

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** WSC

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** WSC

SSD- Laboratory Data Reports

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 12-03-2049

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 04/13/2012 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:	de maximis, inc. 1322 Scott Street, Suite 104 San Diego, CA 92106-2727	Work Order:	12-03-2049
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SSD_B-1_032912						
Acetone	**4.4**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.66**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-2_032912						
Acetone	**12**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.56**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.72**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**6.4**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**13**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-3_032912						
Acetone	**11**		2.0	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.55**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2.4**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**13**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-4_032912						
Acetone	**17**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.80**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**14**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-5_032912						
Acetone	**7.8**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloroethane	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**5.9**		0.50	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-6_032912						
Acetone	**7.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.55**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.61**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**23**		5.0	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:	12-03-2049
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SSD_B-7_032912						
Acetone	**7.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.52**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.53**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**3.4**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.78**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**11**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-13_032912						
Acetone	**8.7**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.65**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.57**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**2.1**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.64**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**5.0**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-14_032912						
Acetone	**12**		5.0	ppb (v/v)	EPA TO-15	N/A
Chloroform	**1.6**		1.2	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**26**		1.2	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**270**		10	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.3**		1.2	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**19**		1.2	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**3.0**		2.5	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**6.2**		3.8	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-15_032912						
Acetone	**7.9**		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	**17**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**28**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**1.5**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.2**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichlorofluoromethane	**4.9**		1.0	ppb (v/v)	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**24**		1.5	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**11**		5.0	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:	12-03-2049
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SSD_B-16_032912						
Acetone	**18**		2.0	ppb (v/v)	EPA TO-15	N/A
Benzene	**1.0**		0.50	ppb (v/v)	EPA TO-15	N/A
Chloroethane	**0.93**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.59**		0.50	ppb (v/v)	EPA TO-15	N/A
Ethylbenzene	**0.54**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**4.8**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**4.7**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**9.0**		5.0	ppb (v/v)	EPA TO-15	N/A
OC_SSD_B-18_032912						
Acetone	**6.2**		2.0	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
OC_SSD_B-12_032912						
Acetone	**13**		2.0	ppb (v/v)	EPA TO-15	N/A
Chloromethane	**0.67**		0.50	ppb (v/v)	EPA TO-15	N/A
Dichlorodifluoromethane	**0.58**		0.50	ppb (v/v)	EPA TO-15	N/A
1,1-Dichloroethene	**0.95**		0.50	ppb (v/v)	EPA TO-15	N/A
Tetrachloroethene	**8.9**		0.50	ppb (v/v)	EPA TO-15	N/A
Toluene	**0.76**		0.50	ppb (v/v)	EPA TO-15	N/A
Trichloroethene	**1.1**		0.50	ppb (v/v)	EPA TO-15	N/A
Isopropanol	**9.0**		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:	12-03-2049
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SSD_B-1_032912						
Acetone	**10**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.7**		2.5	ug/m3	EPA TO-15	N/A
OC_SSD_B-2_032912						
Acetone	**28**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.2**		1.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**2.8**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**43**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.3**		1.9	ug/m3	EPA TO-15	N/A
Isopropanol	**32**		12	ug/m3	EPA TO-15	N/A
OC_SSD_B-3_032912						
Acetone	**25**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.7**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**16**		3.4	ug/m3	EPA TO-15	N/A
Isopropanol	**32**		12	ug/m3	EPA TO-15	N/A
OC_SSD_B-4_032912						
Acetone	**40**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.3**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.9**		2.5	ug/m3	EPA TO-15	N/A
Toluene	**2.0**		1.9	ug/m3	EPA TO-15	N/A
Isopropanol	**33**		12	ug/m3	EPA TO-15	N/A
OC_SSD_B-5_032912						
Acetone	**19**		4.8	ug/m3	EPA TO-15	N/A
Chloroethane	**3.3**		1.3	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.8**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**3.9**		3.4	ug/m3	EPA TO-15	N/A
Trichloroethene	**32**		2.7	ug/m3	EPA TO-15	N/A
OC_SSD_B-6_032912						
Acetone	**18**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
Isopropanol	**56**		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:	12-03-2049
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SSD_B-7_032912						
Acetone	**18**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.1**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.6**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**23**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.9**		1.9	ug/m3	EPA TO-15	N/A
Isopropanol	**26**		12	ug/m3	EPA TO-15	N/A
OC_SSD_B-13_032912						
Acetone	**21**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.3**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.8**		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**14**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.4**		1.9	ug/m3	EPA TO-15	N/A
Isopropanol	**12**		12	ug/m3	EPA TO-15	N/A
OC_SSD_B-14_032912						
Acetone	**29**		12	ug/m3	EPA TO-15	N/A
Chloroform	**7.7**		6.1	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**100**		5.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**1800**		68	ug/m3	EPA TO-15	N/A
Toluene	**5.1**		4.7	ug/m3	EPA TO-15	N/A
Trichloroethene	**100**		6.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**17**		14	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**48**		29	ug/m3	EPA TO-15	N/A
OC_SSD_B-15_032912						
Acetone	**19**		4.8	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**3.0**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**69**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**190**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**5.6**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**6.2**		2.7	ug/m3	EPA TO-15	N/A
Trichlorofluoromethane	**28**		5.6	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	**180**		11	ug/m3	EPA TO-15	N/A
Isopropanol	**26**		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:	12-03-2049
		Project Name:	Omega - SVE
		Received:	03/30/12 17:10
Attn:	Jaime Dinello		

DETECTIONS SUMMARY

Client Sample ID Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
OC_SSD_B-16_032912						
Acetone	**42**		4.8	ug/m3	EPA TO-15	N/A
Benzene	**3.2**		1.6	ug/m3	EPA TO-15	N/A
Chloroethane	**2.5**		1.3	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
Ethylbenzene	**2.4**		2.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**32**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**18**		1.9	ug/m3	EPA TO-15	N/A
Isopropanol	**22**		12	ug/m3	EPA TO-15	N/A
OC_SSD_B-18_032912						
Acetone	**15**		4.8	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
OC_SSD_B-12_032912						
Acetone	**31**		4.8	ug/m3	EPA TO-15	N/A
Chloromethane	**1.4**		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	**2.9**		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	**3.8**		2.0	ug/m3	EPA TO-15	N/A
Tetrachloroethene	**60**		3.4	ug/m3	EPA TO-15	N/A
Toluene	**2.9**		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	**5.9**		2.7	ug/m3	EPA TO-15	N/A
Isopropanol	**22**		12	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-1_032912	**12-03-2049-1-A**	**03/29/12 10:00**	**Air**	**GC/MS V**	**N/A**	**03/31/12 20:45**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	4.4	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	0.66	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.54	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	101	57-129		1,2-Dichloroethane-d4	93	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 2 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-2_032912	**12-03-2049-2-A**	**03/29/12 11:15**	**Air**	**GC/MS V**	**N/A**	**03/31/12 21:44**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	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	0.56	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	6.4	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	0.61	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	0.72	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	13	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	95	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 3 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-3_032912	**12-03-2049-3-A**	**03/29/12 11:10**	**Air**	**GC/MS V**	**N/A**	**03/31/12 22:41**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	11	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	2.4	0.50	1	
Dichlorodifluoromethane	0.55	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	13	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 4 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-4_032912	**12-03-2049-4-A**	**03/29/12 10:50**	**Air**	**GC/MS V**	**N/A**	**03/31/12 23:38**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	17	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	0.61	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.80	0.50	1		Toluene	0.53	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	14	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 5 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-5_032912	**12-03-2049-5-A**	**03/29/12 10:35**	**Air**	**GC/MS V**	**N/A**	**04/01/12 00:32**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.8	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	1.2	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	0.57	0.50	1	
Dichlorodifluoromethane	0.57	0.50	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	5.9	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	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 6 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-6_032912	**12-03-2049-6-A**	**03/29/12 10:25**	**Air**	**GC/MS V**	**N/A**	**04/01/12 01:26**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.7	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	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	ND	0.50	1	
Dichlorodifluoromethane	0.61	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	23	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	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 7 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-7_032912	**12-03-2049-7-A**	**03/29/12 10:20**	**Air**	**GC/MS V**	**N/A**	**04/02/12 14:14**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.7	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	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	3.4	0.50	1	
Dichlorodifluoromethane	0.53	0.50	1		Toluene	0.78	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	11	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 8 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-13_032912	**12-03-2049-8-A**	**03/29/12 12:30**	**Air**	**GC/MS V**	**N/A**	**04/02/12 15:03**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.7	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	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloromethane	0.65	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	2.1	0.50	1	
Dichlorodifluoromethane	0.57	0.50	1		Toluene	0.64	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	5.0	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	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

de maximis, inc.		Date Received:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 9 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-14_032912	**12-03-2049-9-A**	**03/29/12 12:40**	**Air**	**GC/MS V**	**N/A**	**04/02/12 15:48**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	12	5.0	2.5		t-1,2-Dichloroethene	ND	1.2	2.5	
Benzene	ND	1.2	2.5		t-1,3-Dichloropropene	ND	2.5	2.5	
Benzyl Chloride	ND	3.8	2.5		Ethylbenzene	ND	1.2	2.5	
Bromodichloromethane	ND	1.2	2.5		4-Ethyltoluene	ND	1.2	2.5	
Bromoform	ND	1.2	2.5		Hexachloro-1,3-Butadiene	ND	3.8	2.5	
Bromomethane	ND	1.2	2.5		Hexane	ND	5.0	2.5	
2-Butanone	ND	3.8	2.5		2-Hexanone	ND	3.8	2.5	
Carbon Disulfide	ND	5.0	2.5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	2.5	
Carbon Tetrachloride	ND	1.2	2.5		Methylene Chloride	ND	12	2.5	
Chlorobenzene	ND	1.2	2.5		4-Methyl-2-Pentanone	ND	3.8	2.5	
Chloroethane	ND	1.2	2.5		o-Xylene	ND	1.2	2.5	
Chloroform	1.6	1.2	2.5		p/m-Xylene	ND	5.0	2.5	
Chloromethane	ND	1.2	2.5		Styrene	ND	3.8	2.5	
Dibromochloromethane	ND	1.2	2.5		Tetrachloroethene	270	10	20	
Dichlorodifluoromethane	ND	1.2	2.5		Toluene	1.3	1.2	2.5	
1,1-Dichloroethane	ND	1.2	2.5		Trichloroethene	19	1.2	2.5	
1,1-Dichloroethene	26	1.2	2.5		Trichlorofluoromethane	3.0	2.5	2.5	
1,2-Dibromoethane	ND	1.2	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	6.2	3.8	2.5	
Dichlorotetrafluoroethane	ND	5.0	2.5		1,1,1-Trichloroethane	ND	1.2	2.5	
1,2-Dichlorobenzene	ND	1.2	2.5		1,1,2-Trichloroethane	ND	1.2	2.5	
1,2-Dichloroethane	ND	1.2	2.5		1,3,5-Trimethylbenzene	ND	1.2	2.5	
1,2-Dichloropropane	ND	1.2	2.5		1,1,2,2-Tetrachloroethane	ND	2.5	2.5	
1,3-Dichlorobenzene	ND	1.2	2.5		1,2,4-Trimethylbenzene	ND	3.8	2.5	
1,4-Dichlorobenzene	ND	1.2	2.5		1,2,4-Trichlorobenzene	ND	5.0	2.5	
1,4-Dioxane	ND	25	2.5		Vinyl Acetate	ND	5.0	2.5	
c-1,3-Dichloropropene	ND	1.2	2.5		Vinyl Chloride	ND	1.2	2.5	
c-1,2-Dichloroethene	ND	1.2	2.5		Isopropanol	ND	12	2.5	

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	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-15_032912	**12-03-2049-10-A**	**03/29/12 10:57**	**Air**	**GC/MS V**	**N/A**	**04/02/12 16:41**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	7.9	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	28	0.50	1	
Dichlorodifluoromethane	0.61	0.50	1		Toluene	1.5	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.2	0.50	1	
1,1-Dichloroethene	17	0.50	1		Trichlorofluoromethane	4.9	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	24	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	11	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	109	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-16_032912	**12-03-2049-11-A**	**03/29/12 12:45**	**Air**	**GC/MS V**	**N/A**	**04/02/12 17:34**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	18	2.0	1		t-1,2-Dichloroethene	ND	0.50	1	
Benzene	1.0	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	0.54	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	0.93	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	4.8	0.50	1	
Dichlorodifluoromethane	0.59	0.50	1		Toluene	4.7	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	9.0	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	108	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 12 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-18_032912	**12-03-2049-12-A**	**03/29/12 10:10**	**Air**	**GC/MS V**	**N/A**	**04/02/12 18:22**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	6.2	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	0.62	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	0.59	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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
San Diego, CA 92106-2727		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)
Project: Omega - SVE			Page 13 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OC_SSD_B-12_032912	**12-03-2049-13-A**	**03/29/12 11:20**	**Air**	**GC/MS V**	**N/A**	**04/02/12 19:14**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	13	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	0.67	0.50	1		Styrene	ND	1.5	1	
Dibromochloromethane	ND	0.50	1		Tetrachloroethene	8.9	0.50	1	
Dichlorodifluoromethane	0.58	0.50	1		Toluene	0.76	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	1.1	0.50	1	
1,1-Dichloroethene	0.95	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	9.0	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	108	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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	**095-01-021-9,928**	**N/A**	**Air**	**GC/MS V**	**N/A**	**03/31/12 17:28**	**120331L01**

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	101	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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	**095-01-021-9,929**	**N/A**	**Air**	**GC/MS V**	**N/A**	**04/02/12 13:21**	**120402L01**

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	100	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-1_032912	**12-03-2049-1-A**	**03/29/12 10:00**	**Air**	**GC/MS V**	**N/A**	**03/31/12 20:45**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	10	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	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	2.7	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	101	57-129		1,2-Dichloroethane-d4	93	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-2_032912	**12-03-2049-2-A**	**03/29/12 11:15**	**Air**	**GC/MS V**	**N/A**	**03/31/12 21:44**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	28	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	43	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	2.8	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	32	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	95	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-3_032912	**12-03-2049-3-A**	**03/29/12 11:10**	**Air**	**GC/MS V**	**N/A**	**03/31/12 22:41**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	25	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	16	3.4	1	
Dichlorodifluoromethane	2.7	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	32	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	57-129		1,2-Dichloroethane-d4	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-4_032912	**12-03-2049-4-A**	**03/29/12 10:50**	**Air**	**GC/MS V**	**N/A**	**03/31/12 23:38**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	40	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	1.3	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	3.9	2.5	1		Toluene	2.0	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	33	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-5_032912	**12-03-2049-5-A**	**03/29/12 10:35**	**Air**	**GC/MS V**	**N/A**	**04/01/12 00:32**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	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	3.3	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	3.9	3.4	1	
Dichlorodifluoromethane	2.8	2.5	1		Toluene	ND	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	32	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	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-6_032912	**12-03-2049-6-A**	**03/29/12 10:25**	**Air**	**GC/MS V**	**N/A**	**04/01/12 01:26**	**120331L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	18	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	ND	3.4	1	
Dichlorodifluoromethane	3.0	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	56	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	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

de maximis, inc.		Date Received:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-7_032912	**12-03-2049-7-A**	**03/29/12 10:20**	**Air**	**GC/MS V**	**N/A**	**04/02/12 14:14**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	18	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	23	3.4	1	
Dichlorodifluoromethane	2.6	2.5	1		Toluene	2.9	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	26	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	104	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-13_032912	**12-03-2049-8-A**	**03/29/12 12:30**	**Air**	**GC/MS V**	**N/A**	**04/02/12 15:03**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	21	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	1.3	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	14	3.4	1	
Dichlorodifluoromethane	2.8	2.5	1		Toluene	2.4	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	12	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-14_032912	**12-03-2049-9-A**	**03/29/12 12:40**	**Air**	**GC/MS V**	**N/A**	**04/02/12 15:48**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	29	12	2.5		t-1,2-Dichloroethene	ND	5.0	2.5	
Benzene	ND	4.0	2.5		t-1,3-Dichloropropene	ND	11	2.5	
Benzyl Chloride	ND	19	2.5		Ethylbenzene	ND	5.4	2.5	
Bromodichloromethane	ND	8.4	2.5		4-Ethyltoluene	ND	6.1	2.5	
Bromoform	ND	13	2.5		Hexachloro-1,3-Butadiene	ND	40	2.5	
Bromomethane	ND	4.9	2.5		Hexane	ND	18	2.5	
2-Butanone	ND	11	2.5		2-Hexanone	ND	15	2.5	
Carbon Disulfide	ND	16	2.5		Methyl-t-Butyl Ether (MTBE)	ND	18	2.5	
Carbon Tetrachloride	ND	7.9	2.5		Methylene Chloride	ND	43	2.5	
Chlorobenzene	ND	5.8	2.5		4-Methyl-2-Pentanone	ND	15	2.5	
Chloroethane	ND	3.3	2.5		o-Xylene	ND	5.4	2.5	
Chloroform	7.7	6.1	2.5		p/m-Xylene	ND	22	2.5	
Chloromethane	ND	2.6	2.5		Styrene	ND	16	2.5	
Dibromochloromethane	ND	11	2.5		Tetrachloroethene	1800	68	20	
Dichlorodifluoromethane	ND	6.2	2.5		Toluene	5.1	4.7	2.5	
1,1-Dichloroethane	ND	5.1	2.5		Trichloroethene	100	6.7	2.5	
1,1-Dichloroethene	100	5.0	2.5		Trichlorofluoromethane	17	14	2.5	
1,2-Dibromoethane	ND	9.6	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	48	29	2.5	
Dichlorotetrafluoroethane	ND	35	2.5		1,1,1-Trichloroethane	ND	6.8	2.5	
1,2-Dichlorobenzene	ND	7.5	2.5		1,1,2-Trichloroethane	ND	6.8	2.5	
1,2-Dichloroethane	ND	5.1	2.5		1,3,5-Trimethylbenzene	ND	6.1	2.5	
1,2-Dichloropropane	ND	5.8	2.5		1,1,2,2-Tetrachloroethane	ND	17	2.5	
1,3-Dichlorobenzene	ND	7.5	2.5		1,2,4-Trimethylbenzene	ND	18	2.5	
1,4-Dichlorobenzene	ND	7.5	2.5		1,2,4-Trichlorobenzene	ND	37	2.5	
1,4-Dioxane	ND	90	2.5		Vinyl Acetate	ND	18	2.5	
c-1,3-Dichloropropene	ND	5.7	2.5		Vinyl Chloride	ND	3.2	2.5	
c-1,2-Dichloroethene	ND	5.0	2.5		Isopropanol	ND	31	2.5	

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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-15_032912	**12-03-2049-10-A**	**03/29/12 10:57**	**Air**	**GC/MS V**	**N/A**	**04/02/12 16:41**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	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	190	3.4	1	
Dichlorodifluoromethane	3.0	2.5	1		Toluene	5.6	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	6.2	2.7	1	
1,1-Dichloroethene	69	2.0	1		Trichlorofluoromethane	28	5.6	1	
1,2-Dibromoethane	ND	3.8	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	180	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	26	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	109	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-16_032912	**12-03-2049-11-A**	**03/29/12 12:45**	**Air**	**GC/MS V**	**N/A**	**04/02/12 17:34**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	42	4.8	1		t-1,2-Dichloroethene	ND	2.0	1	
Benzene	3.2	1.6	1		t-1,3-Dichloropropene	ND	4.5	1	
Benzyl Chloride	ND	7.8	1		Ethylbenzene	2.4	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	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	2.5	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	32	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	18	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	22	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	108	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-18_032912	**12-03-2049-12-A**	**03/29/12 10:10**	**Air**	**GC/MS V**	**N/A**	**04/02/12 18:22**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	15	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	1.3	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	ND	3.4	1	
Dichlorodifluoromethane	2.9	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	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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_SSD_B-12_032912	**12-03-2049-13-A**	**03/29/12 11:20**	**Air**	**GC/MS V**	**N/A**	**04/02/12 19:14**	**120402L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	31	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	1.4	1.0	1		Styrene	ND	6.4	1	
Dibromochloromethane	ND	4.3	1		Tetrachloroethene	60	3.4	1	
Dichlorodifluoromethane	2.9	2.5	1		Toluene	2.9	1.9	1	
1,1-Dichloroethane	ND	2.0	1		Trichloroethene	5.9	2.7	1	
1,1-Dichloroethene	3.8	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	22	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	108	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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	**095-01-021-9,928**	**N/A**	**Air**	**GC/MS V**	**N/A**	**03/31/12 17:28**	**120331L01**

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	101	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:	03/30/12
1322 Scott Street, Suite 104		Work Order No:	12-03-2049
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	**095-01-021-9,929**	**N/A**	**Air**	**GC/MS V**	**N/A**	**04/02/12 13:21**	**120402L01**

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	100	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order Number: **12-03-2049**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SSD_B-1_032912	-2.00	-29.50	LC351	Summa Canister 1L
OC_SSD_B-2_032912	-5.00	-29.60	LC296	Summa Canister 1L
OC_SSD_B-12_032912	-2.00	-29.50	LC350	Summa Canister 1L
OC_SSD_B-3_032912	-5.00	-29.70	LC260	Summa Canister 1L
OC_SSD_B-4_032912	-2.00	-29.60	LC519	Summa Canister 1L
OC_SSD_B-5_032912	-2.00	-29.50	LC039	Summa Canister 1L
OC_SSD_B-6_032912	-2.00	-29.70	LC178	Summa Canister 1L
OC_SSD_B-7_032912	-3.00	-29.50	LC286	Summa Canister 1L
OC_SSD_B-13_032912	-2.00	-29.50	LC176	Summa Canister 1L
OC_SSD_B-14_032912	-2.00	-29.50	SLC004	Summa Canister 1L
OC_SSD_B-15_032912	-2.00	-29.60	LC215	Summa Canister 1L
OC_SSD_B-16_032912	-2.00	-29.50	LC462	Summa Canister 1L
OC_SSD_B-18_032912	-5.00	-29.50	LC388	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: 12-03-2049
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,928	**Air**	**GC/MS V**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	91	91	50-150	33-167	0	0-35	
n-Propylbenzene	25.00	87	86	50-150	33-167	1	0-35	
Acetone	25.00	102	104	50-150	33-167	2	0-35	
Benzene	25.00	112	114	60-156	44-172	2	0-40	
Benzyl Chloride	25.00	107	106	50-150	33-167	1	0-35	
Bromodichloromethane	25.00	112	111	50-150	33-167	0	0-35	
Bromoform	25.00	109	108	62-134	50-146	1	0-38	
Bromomethane	25.00	110	111	50-150	33-167	0	0-35	
1,3-Butadiene	25.00	112	113	50-150	33-167	1	0-35	
2-Butanone	25.00	117	116	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	111	111	50-150	33-167	1	0-35	
Carbon Tetrachloride	25.00	113	113	64-154	49-169	0	0-32	
Chlorobenzene	25.00	110	112	50-150	33-167	2	0-35	
Chloroethane	25.00	113	114	50-150	33-167	1	0-35	
Chloroform	25.00	111	110	50-150	33-167	1	0-35	
Chloromethane	25.00	115	117	50-150	33-167	2	0-35	
Cyclohexane	25.00	112	114	50-150	33-167	2	0-35	
Dibromochloromethane	25.00	113	116	50-150	33-167	2	0-35	
Dichlorodifluoromethane	25.00	112	111	50-150	33-167	2	0-35	
Diisopropyl Ether (DIPE)	25.00	107	106	50-150	33-167	1	0-35	
1,1-Dichloroethane	25.00	110	110	50-150	33-167	1	0-35	
1,1-Dichloroethene	25.00	115	115	50-150	33-167	1	0-35	
1,2-Dibromoethane	25.00	112	115	54-144	39-159	3	0-36	
Dichlorotetrafluoroethane	25.00	109	108	50-150	33-167	1	0-35	
1,2-Dichlorobenzene	25.00	116	115	34-160	13-181	1	0-47	
1,2-Dichloroethane	25.00	112	110	69-153	55-167	1	0-35	
1,2-Dichloropropane	25.00	112	113	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	108	105	50-150	33-167	3	0-35	
1,4-Dichlorobenzene	25.00	111	107	36-156	16-176	4	0-47	
1,4-Dioxane	25.00	119	115	50-150	33-167	3	0-35	
c-1,3-Dichloropropene	25.00	120	121	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	109	110	50-150	33-167	1	0-35	
t-1,2-Dichloroethene	25.00	104	105	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: 12-03-2049
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,928	**Air**	**GC/MS V**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	131	131	50-150	33-167	0	0-35	
Ethanol	100.0	96	97	50-150	33-167	1	0-35	
Ethyl Acetate	25.00	114	112	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	110	109	50-150	33-167	1	0-35	
Ethylbenzene	25.00	112	114	52-154	35-171	2	0-38	
4-Ethyltoluene	25.00	107	105	50-150	33-167	2	0-35	
Heptane	25.00	109	111	50-150	33-167	2	0-35	
Hexachloro-1,3-Butadiene	25.00	136	137	50-150	33-167	1	0-35	
Hexane	25.00	111	112	50-150	33-167	0	0-35	
2-Hexanone	25.00	102	105	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	111	111	50-150	33-167	0	0-35	
Methylene Chloride	25.00	109	110	50-150	33-167	1	0-35	
4-Methyl-2-Pentanone	25.00	109	109	50-150	33-167	0	0-35	
Naphthalene	25.00	133	134	40-190	15-215	0	0-35	
o-Xylene	25.00	109	110	52-148	36-164	1	0-38	
p/m-Xylene	50.00	112	113	42-156	23-175	1	0-41	
Propene	25.00	118	117	50-150	33-167	1	0-35	
Styrene	25.00	100	101	50-150	33-167	1	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	107	109	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	122	122	50-150	33-167	0	0-35	
Tetrachloroethene	25.00	113	116	56-152	40-168	3	0-40	
Tetrahydrofuran	25.00	110	110	50-150	33-167	0	0-35	
Toluene	25.00	112	116	56-146	41-161	4	0-43	
Trichloroethene	25.00	113	114	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	105	104	50-150	33-167	1	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	113	113	50-150	33-167	0	0-35	
1,1,1-Trichloroethane	25.00	115	115	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	112	112	65-149	51-163	1	0-37	
1,2,3-Trichloropropane	25.00	99	98	50-150	33-167	0	0-35	
Acrolein	25.00	98	100	50-150	33-167	2	0-35	
Acrylonitrile	25.00	98	98	50-150	33-167	0	0-35	
Methyl Methacrylate	25.00	116	116	50-150	33-167	0	0-35	
Propane	50.00	115	115	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: 12-03-2049
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,928	**Air**	**GC/MS V**	**N/A**	**03/31/12**	**120331L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	108	109	50-150	33-167	1	0-35	
Methanol	75.00	56	58	50-150	33-167	2	0-35	
2,2,4-Trimethyl Pentane	25.00	105	106	50-150	33-167	2	0-35	
Isobutane	50.00	107	108	50-150	33-167	0	0-35	
1,1,1,2-Tetrafluoroethane	25.00	109	109	50-150	33-167	0	0-35	
1,3,5-Trimethylbenzene	25.00	106	104	50-150	33-167	1	0-35	
1,1,2,2-Tetrachloroethane	25.00	103	102	50-150	33-167	0	0-35	
1,2,4-Trimethylbenzene	25.00	108	106	50-150	33-167	1	0-35	
1,2,4-Trichlorobenzene	25.00	138	141	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	98	98	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	112	114	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	109	109	50-150	33-167	0	0-35	
Isopropanol	25.00	108	109	50-150	33-167	1	0-35	
2-Chlorotoluene	25.00	107	107	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: 12-03-2049
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,929	**Air**	**GC/MS V**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Isopropylbenzene	25.00	94	91	50-150	33-167	3	0-35	
n-Propylbenzene	25.00	88	84	50-150	33-167	4	0-35	
Acetone	25.00	104	107	50-150	33-167	3	0-35	
Benzene	25.00	111	113	60-156	44-172	1	0-40	
Benzyl Chloride	25.00	102	96	50-150	33-167	7	0-35	
Bromodichloromethane	25.00	114	113	50-150	33-167	1	0-35	
Bromoform	25.00	114	111	62-134	50-146	3	0-38	
Bromomethane	25.00	112	111	50-150	33-167	1	0-35	
1,3-Butadiene	25.00	113	114	50-150	33-167	1	0-35	
2-Butanone	25.00	114	114	50-150	33-167	1	0-35	
Carbon Disulfide	25.00	112	110	50-150	33-167	2	0-35	
Carbon Tetrachloride	25.00	117	115	64-154	49-169	2	0-32	
Chlorobenzene	25.00	112	112	50-150	33-167	1	0-35	
Chloroethane	25.00	113	116	50-150	33-167	2	0-35	
Chloroform	25.00	112	109	50-150	33-167	3	0-35	
Chloromethane	25.00	118	117	50-150	33-167	1	0-35	
Cyclohexane	25.00	112	113	50-150	33-167	1	0-35	
Dibromochloromethane	25.00	119	118	50-150	33-167	1	0-35	
Dichlorodifluoromethane	25.00	117	112	50-150	33-167	4	0-35	
Diisopropyl Ether (DIPE)	25.00	108	106	50-150	33-167	2	0-35	
1,1-Dichloroethane	25.00	109	109	50-150	33-167	0	0-35	
1,1-Dichloroethene	25.00	117	108	50-150	33-167	8	0-35	
1,2-Dibromoethane	25.00	116	116	54-144	39-159	0	0-36	
Dichlorotetrafluoroethane	25.00	114	111	50-150	33-167	3	0-35	
1,2-Dichlorobenzene	25.00	115	108	34-160	13-181	6	0-47	
1,2-Dichloroethane	25.00	113	111	69-153	55-167	2	0-35	
1,2-Dichloropropane	25.00	111	112	67-157	52-172	1	0-35	
1,3-Dichlorobenzene	25.00	106	99	50-150	33-167	7	0-35	
1,4-Dichlorobenzene	25.00	108	101	36-156	16-176	7	0-47	
1,4-Dioxane	25.00	101	100	50-150	33-167	1	0-35	
c-1,3-Dichloropropene	25.00	121	121	61-157	45-173	0	0-35	
c-1,2-Dichloroethene	25.00	107	106	50-150	33-167	0	0-35	
t-1,2-Dichloroethene	25.00	101	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: 12-03-2049
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,929	**Air**	**GC/MS V**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
t-1,3-Dichloropropene	25.00	132	132	50-150	33-167	0	0-35	
Ethanol	100.0	95	98	50-150	33-167	4	0-35	
Ethyl Acetate	25.00	109	108	50-150	33-167	1	0-35	
Ethyl-t-Butyl Ether (ETBE)	25.00	107	107	50-150	33-167	0	0-35	
Ethylbenzene	25.00	116	116	52-154	35-171	1	0-38	
4-Ethyltoluene	25.00	107	102	50-150	33-167	5	0-35	
Heptane	25.00	108	109	50-150	33-167	1	0-35	
Hexachloro-1,3-Butadiene	25.00	149	143	50-150	33-167	4	0-35	
Hexane	25.00	111	110	50-150	33-167	1	0-35	
2-Hexanone	25.00	98	97	50-150	33-167	2	0-35	
Methyl-t-Butyl Ether (MTBE)	25.00	109	109	50-150	33-167	0	0-35	
Methylene Chloride	25.00	107	99	50-150	33-167	8	0-35	
4-Methyl-2-Pentanone	25.00	105	103	50-150	33-167	1	0-35	
Naphthalene	25.00	138	135	40-190	15-215	2	0-35	
o-Xylene	25.00	114	112	52-148	36-164	2	0-38	
p/m-Xylene	50.00	119	116	42-156	23-175	2	0-41	
Propene	25.00	118	117	50-150	33-167	1	0-35	
Styrene	25.00	101	101	50-150	33-167	0	0-35	
Tert-Amyl-Methyl Ether (TAME)	25.00	106	107	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	50.00	116	114	50-150	33-167	2	0-35	
Tetrachloroethene	25.00	115	115	56-152	40-168	0	0-40	
Tetrahydrofuran	25.00	108	108	50-150	33-167	0	0-35	
Toluene	25.00	114	115	56-146	41-161	1	0-43	
Trichloroethene	25.00	114	114	63-159	47-175	0	0-34	
Trichlorofluoromethane	25.00	113	111	50-150	33-167	2	0-35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	25.00	114	111	50-150	33-167	2	0-35	
1,1,1-Trichloroethane	25.00	115	114	50-150	33-167	1	0-35	
1,1,2-Trichloroethane	25.00	112	112	65-149	51-163	0	0-37	
1,2,3-Trichloropropane	25.00	101	97	50-150	33-167	3	0-35	
Acrolein	25.00	97	101	50-150	33-167	3	0-35	
Acrylonitrile	25.00	101	104	50-150	33-167	3	0-35	
Methyl Methacrylate	25.00	113	113	50-150	33-167	0	0-35	
Propane	50.00	117	115	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: 12-03-2049
Preparation: N/A
Method: EPA TO-15

Project: Omega - SVE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,929	**Air**	**GC/MS V**	**N/A**	**04/02/12**	**120402L01**

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Butane	50.00	112	112	50-150	33-167	0	0-35	
Methanol	75.00	58	57	50-150	33-167	1	0-35	
2,2,4-Trimethyl Pentane	25.00	106	106	50-150	33-167	0	0-35	
Isobutane	50.00	111	110	50-150	33-167	1	0-35	
1,1,1,2-Tetrafluoroethane	25.00	110	108	50-150	33-167	2	0-35	
1,3,5-Trimethylbenzene	25.00	107	101	50-150	33-167	5	0-35	
1,1,2,2-Tetrachloroethane	25.00	105	101	50-150	33-167	4	0-35	
1,2,4-Trimethylbenzene	25.00	108	102	50-150	33-167	6	0-35	
1,2,4-Trichlorobenzene	25.00	145	142	50-150	33-167	2	0-35	
Vinyl Acetate	25.00	97	97	50-150	33-167	0	0-35	
Vinyl Chloride	25.00	113	114	45-177	23-199	1	0-36	
1,1-Difluoroethane	25.00	109	107	50-150	33-167	2	0-35	
Isopropanol	25.00	107	114	50-150	33-167	6	0-35	
2-Chlorotoluene	25.00	110	106	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: **12-03-2049**

Sample Name	Vacuum In	Vacuum Out	Equipment	Description
OC_SSD_B-1_032912	-2.00	-29.50	LC351	Summa Canister 1L
OC_SSD_B-2_032912	-5.00	-29.60	LC296	Summa Canister 1L
OC_SSD_B-2_032912	-2.00	-29.50	LC350	Summa Canister 1L
OC_SSD_B-3_032912	-5.00	-29.70	LC260	Summa Canister 1L
OC_SSD_B-4_032912	-2.00	-29.60	LC519	Summa Canister 1L
OC_SSD_B-5_032912	-2.00	-29.50	LC039	Summa Canister 1L
OC_SSD_B-6_032912	-2.00	-29.70	LC178	Summa Canister 1L
OC_SSD_B-7_032912	-3.00	-29.50	LC286	Summa Canister 1L
OC_SSD_B-13_032912	-2.00	-29.50	LC176	Summa Canister 1L
OC_SSD_B-14_032912	-2.00	-29.50	SLC004	Summa Canister 1L
OC_SSD_B-15_032912	-2.00	-29.60	LC215	Summa Canister 1L
OC_SSD_B-16_032912	-2.00	-29.50	LC462	Summa Canister 1L
OC_SSD_B-18_032912	-5.00	-29.50	LC388	Summa Canister 1L

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 12-03-2049

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: 03/29/12
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
SAMPLER(S): (NAME / SIGNATURE)

P.O. NO.:
LAB CONTACT OR QUOTE NO.:
LAB USE ONLY 12-03-2049

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

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_SSD_B-1_032912		SV	LL351	1L	N/A	3/29/2012	0955	-30	3/29/2012	1000	-2	x				
2	OC_SSD_B-2_032912		SV	LL296	1L	N/A	3/29/2012	1110	-30	3/29/2012	1115	-5	x				
3	OC_SSD_B-3_032912		SV	LL260	1L	N/A	3/29/2012	1105	-30	3/29/2012	1110	-5	x				
4	OC_SSD_B-4_032912		SV	LL519	1L	N/A	3/29/2012	1045	-30	3/29/2012	1050	-2	x				
5	OC_SSD_B-5_032912		SV	LL039	1L	N/A	3/29/2012	1030	-30	3/29/2012	1035	-2	x				
6	OC_SSD_B-6_032912		SV	LL178	1L	N/A	3/29/2012	1020	-30	3/29/2012	1025	-2	x				
7	OC_SSD_B-7_032912		SV	LL286	1L	N/A	3/29/2012	1015	-30	3/29/2012	1020	-3	x				
8	OC_SSD_B-13_032912		SV	LL176	1L	N/A	3/29/2012	1225	-30	3/29/2012	1230	-2	x				
9	OC_SSD_B-14_032912		SV	SLC004	1L	N/A	3/29/2012	1235	-30	3/29/2012	1240	-2	x				
10	OC_SSD_B-15_032912		SV	LL215	1L	N/A	3/29/2012	1052	-30	3/29/2012	1057	-2	x				
11	OC_SSD_B-16_032912		SV	LL462	1L	N/A	3/29/2012	1240	-30	3/29/2012	1245	-2	x				
12	OC_SSD_B-18_032912		SV	LL388	1L	N/A	3/29/2012	1005	-30	3/29/2012	1010	-5	x				
13	OC-SSD-B-12-032912		SV	LL350	1L	N/A	3/29/12	1115	-30	3/29/12	1120	-2	X				
14																	
15																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3/30/12	1430
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3/30/12	1710
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

12/01/11 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 12-03-2049

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: DG MAXIMS

DATE: 03/30/12

TEMPERATURE: Thermometer ID: SC3 (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:** JN

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:** JN

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