2655 Park Center Dr., Suite A
Simi Valley, CA 93065
**T:** +1 805 526 7161
**F:** +1 805 526 7270
www.alsglobal.com

# LABORATORY REPORT

October 30, 2015

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Kate Aguilera

*By Kate Aguilera at 10:33 am, Oct 30, 2015*

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Client: CT Laboratories
Project: Tower Motel

Service Request No: P1504611

## CASE NARRATIVE

The samples were received intact under chain of custody on October 29, 2015 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The client supplied canister samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation, however it is not part of the AIHA-LAP accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criterion was exceeded for trans-1,3-Dichloropropene in the Continuing Calibration Verification (CCV) analyzed on October 29, 2015. Since the apparent problem equates to a potential high bias and the field samples analyzed in this sequence did not contain the analyte in question, the data quality has not been significantly affected. No corrective action was required.

The upper control criterion was exceeded for Bromomethane in the Laboratory Control Sample (LCS) analyzed on October 29, 2015. The analyte in question was not detected in the associated field samples. Since the error associated with the elevated recovery equates to a high bias, the sample data has not been significantly affected. The data has been flagged accordingly. No corrective action was required.

*The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.*

*Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution")without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.*

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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

| Agency | Web Site | Number |
|---|---|---|
| AIHA | http://www.aihaaccreditedlabs.org | 101661 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0694 |
| DoD ELAP | http://www.pjlabs.com/search-accredited-labs | L14-2-R1 |
| Florida DOH (NELAP) | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E871020 |
| Maine DHHS | http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm | 2014025 |
| Minnesota DOH (NELAP) | http://www.health.state.mn.us/accreditation | 977273 |
| New Jersey DEP (NELAP) | http://www.nj.gov/dep/oqa/ | CA009 |
| New York DOH (NELAP) | http://www.wadsworth.org/labcert/elap/elap.html | 11221 |
| Oregon PHD (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | 4068-001 |
| Pennsylvania DEP | http://www.depweb.state.pa.us/labs | 68-03307 (Registration) |
| Texas CEQ (NELAP) | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704413-15-6 |
| Utah DOH (NELAP) | http://www.health.utah.gov/lab/labimp/certification/index.html | CA016272015-5 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C946 |

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

# ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: CT Laboratories
Project ID: Tower Motel

Service Request: P1504611

Date Received: 10/29/2015
Time Received: 09:30

| Client Sample ID | Lab Code | Matrix | Date Collected | Time Collected | Pi1 (psig) | Pf1 (psig) | TO-15 - VOC Cans |
|---|---|---|---|---|---|---|---|
| E Crawl Space | P1504611-001 | Air | 10/27/2015 | 14:41 | -0.25 | 3.58 | X |
| W Crawl Space | P1504611-002 | Air | 10/27/2015 | 14:25 | -0.39 | 4.68 | X |

Columbia Analytical Services™

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

# Air - Chain of Custody Record & Analytical Service Request



ASAP

~~Requested~~ Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

CAS Project No. P1504611

CAS Contact:

Company Name & Address (Reporting Information)
TETRA TECH
15 WACKER DR STE 3700
Chicago IL 60606

Project Name: TOWER MOTEL

Project Number:

Project Manager: Robert Kondreck

P.O. # / Billing Information: PATRICK LETTERER
CT LABORATORIES
1230 LANGE CT
Baraboo, WI 53913

Phone: 312.201.7479

Fax:

Email Address for Result Reporting: robert.kondreck@tetratech.com

Sampler (Print & Sign): Kathy Halbur

Analysis Method/Analytes: TO-15

| Client Sample ID | Laboratory ID Number | Date Collected | Time Collected | Sample Type (Air/Tube/Solid) | Canister ID (Bar code # - AC, SC, etc.) | Flow Controller (Bar code - FC #) | Sample Volume | TO-15 | | | Comments e.g. Actual Preservative or specific instructions |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E Crawl Space | 01 | 10/27/15 | 1441 | Air | | | 6L | -19→0 | Grab Sample | | Clean & Return Canisters |
| W Crawl Space | 02 | 10/27/15 | 1425 | Air | | | 6L | -21→0 | Grab Sample | | See Note |

Report Tier Levels - please select
~~Tier I - (Results/Default if not specified)~~ ____
Tier II (Results + QC) X
Tier III (Data Validation Package) 10% Surcharge ____
Tier V (client specified) ____

EDD required Yes / No
Type: ____ EDD Units: ug/m3

Project Requirements (MRLs, QAPP)

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
|---|---|---|---|---|---|
| Kathy Halbur | 10/28/15 | 13:30 | | 10/29/15 | 09:30 |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Date: | Time: |

Cooler / Blank Temperature ____ °C

# ALS Environmental
## Sample Acceptance Check Form

Client: CT Laboratories  Work order: P1504611
Project: Tower Motel
Sample(s) received on: 10/29/15  Date opened: 10/29/15  by: KKELPE

***Note:*** This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

| | | Yes | No | N/A |
|---|---|---|---|---|
| 1 | Were **sample containers** properly marked with client sample ID? | ☐ | ☐ | ☐ |
| 2 | Did **sample containers** arrive in good condition? | ☐ | ☐ | ☐ |
| 3 | Were **chain-of-custody** papers used and filled out? | ☐ | ☐ | ☐ |
| 4 | Did **sample container labels** and/or tags agree with custody papers? | ☐ | ☐ | ☐ |
| 5 | Was **sample volume** received adequate for analysis? | ☐ | ☐ | ☐ |
| 6 | Are samples within specified holding times? | ☐ | ☐ | ☐ |
| 7 | Was proper **temperature** (thermal preservation) of cooler at receipt adhered to? | ☐ | ☐ | ☐ |
| 8 | Were **custody seals** on outside of cooler/Box/Container? | ☐ | ☐ | ☐ |
| | Location of seal(s)? sealing outside box and inside box  Sealing Lid? | ☐ | ☐ | ☐ |
| | Were signature and date included? | ☐ | ☐ | ☐ |
| | Were seals intact? | ☐ | ☐ | ☐ |
| 9 | Do containers have appropriate **preservation**, according to method/SOP or Client specified information? | ☐ | ☐ | ☐ |
| | Is there a client indication that the submitted samples are **pH** preserved? | ☐ | ☐ | ☐ |
| | Were **VOA vials** checked for presence/absence of air bubbles? | ☐ | ☐ | ☐ |
| | Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it? | ☐ | ☐ | ☐ |
| 10 | **Tubes:** Are the tubes capped and intact? | ☐ | ☐ | ☐ |
| 11 | **Badges:** Are the badges properly capped and intact? | ☐ | ☐ | ☐ |
| | Are dual bed badges separated and individually capped and intact? | ☐ | ☐ | ☐ |

| Lab Sample ID | Container Description | Required pH * | Received pH | Adjusted pH | VOA Headspace (Presence/Absence) | Receipt / Preservation Comments |
|---|---|---|---|---|---|---|
| P1504611-001.01 | Canister | | | | | |
| P1504611-002.01 | Canister | | | | | |
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Explain any discrepancies: (include lab sample ID numbers):

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **E Crawl Space** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P1504611-001

Test Code: EPA TO-15 Date Collected: 10/27/15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 10/29/15
Analyst: Wida Ang Date Analyzed: 10/29/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Initial Pressure (psig): -0.25 Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 115-07-1 | Propene | ND | 0.64 | ND | 0.37 | |
| 75-71-8 | Dichlorodifluoromethane(CFC 12) | **2.4** | 0.64 | **0.48** | 0.13 | |
| 74-87-3 | Chloromethane | ND | 0.64 | ND | 0.31 | |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | ND | 0.64 | ND | 0.091 | |
| 75-01-4 | Vinyl Chloride | ND | 0.64 | ND | 0.25 | |
| 106-99-0 | 1,3-Butadiene | ND | 0.64 | ND | 0.29 | |
| 74-83-9 | Bromomethane | ND | 0.64 | ND | 0.16 | **L** |
| 75-00-3 | Chloroethane | ND | 0.64 | ND | 0.24 | |
| 64-17-5 | Ethanol | **69** | 6.4 | **37** | 3.4 | |
| 75-05-8 | Acetonitrile | ND | 0.64 | ND | 0.38 | |
| 107-02-8 | Acrolein | ND | 2.5 | ND | 1.1 | |
| 67-64-1 | Acetone | **16** | 6.4 | **6.9** | 2.7 | |
| 75-69-4 | Trichlorofluoromethane | **1.1** | 0.64 | **0.20** | 0.11 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | ND | 6.4 | ND | 2.6 | |
| 107-13-1 | Acrylonitrile | ND | 0.64 | ND | 0.29 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.64 | ND | 0.16 | |
| 75-09-2 | Methylene Chloride | ND | 0.64 | ND | 0.18 | |
| 107-05-1 | 3-Chloro-1-propene(Allyl Chloride) | ND | 0.64 | ND | 0.20 | |
| 76-13-1 | Trichlorotrifluoroethane | ND | 0.64 | ND | 0.083 | |
| 75-15-0 | Carbon Disulfide | ND | 6.4 | ND | 2.0 | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 0.64 | ND | 0.16 | |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.64 | ND | 0.16 | |
| 1634-04-4 | Methyl tert-Butyl Ether | ND | 0.64 | ND | 0.18 | |
| 108-05-4 | Vinyl Acetate | ND | 6.4 | ND | 1.8 | |
| 78-93-3 | 2-Butanone (MEK) | ND | 6.4 | ND | 2.2 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **E Crawl Space** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P1504611-001

Test Code: EPA TO-15 Date Collected: 10/27/15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 10/29/15
Analyst: Wida Ang Date Analyzed: 10/29/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Initial Pressure (psig): -0.25 Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | ND | 0.64 | ND | 0.16 | |
| 141-78-6 | Ethyl Acetate | ND | 1.3 | ND | 0.35 | |
| 110-54-3 | n-Hexane | ND | 0.64 | ND | 0.18 | |
| 67-66-3 | Chloroform | ND | 0.64 | ND | 0.13 | |
| 109-99-9 | Tetrahydrofuran (THF) | ND | 0.64 | ND | 0.22 | |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.64 | ND | 0.16 | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.64 | ND | 0.12 | |
| 71-43-2 | Benzene | ND | 0.64 | ND | 0.20 | |
| 56-23-5 | Carbon Tetrachloride | ND | 0.64 | ND | 0.10 | |
| 110-82-7 | Cyclohexane | ND | 1.3 | ND | 0.37 | |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.64 | ND | 0.14 | |
| 75-27-4 | Bromodichloromethane | ND | 0.64 | ND | 0.095 | |
| 79-01-6 | Trichloroethene | ND | 0.64 | ND | 0.12 | |
| 123-91-1 | 1,4-Dioxane | ND | 0.64 | ND | 0.18 | |
| 80-62-6 | Methyl Methacrylate | ND | 1.3 | ND | 0.31 | |
| 142-82-5 | n-Heptane | ND | 0.64 | ND | 0.16 | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.64 | ND | 0.14 | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 0.64 | ND | 0.16 | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.64 | ND | 0.14 | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.64 | ND | 0.12 | |
| 108-88-3 | Toluene | **0.71** | 0.64 | **0.19** | 0.17 | |
| 591-78-6 | 2-Hexanone | ND | 0.64 | ND | 0.16 | |
| 124-48-1 | Dibromochloromethane | ND | 0.64 | ND | 0.075 | |
| 106-93-4 | 1,2-Dibromoethane | ND | 0.64 | ND | 0.083 | |
| 123-86-4 | n-Butyl Acetate | ND | 0.64 | ND | 0.13 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **E Crawl Space** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P1504611-001

Test Code: EPA TO-15 Date Collected: 10/27/15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 10/29/15
Analyst: Wida Ang Date Analyzed: 10/29/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Initial Pressure (psig): -0.25 Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 111-65-9 | n-Octane | ND | 0.64 | ND | 0.14 | |
| 127-18-4 | Tetrachloroethene | ND | 0.64 | ND | 0.094 | |
| 108-90-7 | Chlorobenzene | ND | 0.64 | ND | 0.14 | |
| 100-41-4 | Ethylbenzene | ND | 0.64 | ND | 0.15 | |
| 179601-23-1 | m,p-Xylenes | ND | 1.3 | ND | 0.29 | |
| 75-25-2 | Bromoform | ND | 0.64 | ND | 0.061 | |
| 100-42-5 | Styrene | ND | 0.64 | ND | 0.15 | |
| 95-47-6 | o-Xylene | ND | 0.64 | ND | 0.15 | |
| 111-84-2 | n-Nonane | ND | 0.64 | ND | 0.12 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.64 | ND | 0.093 | |
| 98-82-8 | Cumene | ND | 0.64 | ND | 0.13 | |
| 80-56-8 | alpha-Pinene | ND | 0.64 | ND | 0.11 | |
| 103-65-1 | n-Propylbenzene | ND | 0.64 | ND | 0.13 | |
| 622-96-8 | 4-Ethyltoluene | ND | 0.64 | ND | 0.13 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.64 | ND | 0.13 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.64 | ND | 0.13 | |
| 100-44-7 | Benzyl Chloride | ND | 0.64 | ND | 0.12 | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 0.64 | ND | 0.11 | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 0.64 | ND | 0.11 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 0.64 | ND | 0.11 | |
| 5989-27-5 | d-Limonene | **1.5** | 0.64 | **0.27** | 0.11 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 0.64 | ND | 0.066 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.64 | ND | 0.086 | |
| 91-20-3 | Naphthalene | ND | 0.64 | ND | 0.12 | |
| 87-68-3 | Hexachlorobutadiene | ND | 0.64 | ND | 0.060 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **W Crawl Space** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P1504611-002

Test Code: EPA TO-15 Date Collected: 10/27/15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 10/29/15
Analyst: Wida Ang Date Analyzed: 10/29/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Initial Pressure (psig): -0.39 Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 115-07-1 | Propene | **4.7** | 0.68 | **2.8** | 0.39 | |
| 75-71-8 | Dichlorodifluoromethane(CFC 12) | **2.2** | 0.68 | **0.45** | 0.14 | |
| 74-87-3 | Chloromethane | ND | 0.68 | ND | 0.33 | |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | ND | 0.68 | ND | 0.097 | |
| 75-01-4 | Vinyl Chloride | ND | 0.68 | ND | 0.26 | |
| 106-99-0 | 1,3-Butadiene | **0.99** | 0.68 | **0.45** | 0.31 | |
| 74-83-9 | Bromomethane | ND | 0.68 | ND | 0.17 | **L** |
| 75-00-3 | Chloroethane | ND | 0.68 | ND | 0.26 | |
| 64-17-5 | Ethanol | **270** | 6.8 | **140** | 3.6 | |
| 75-05-8 | Acetonitrile | **0.90** | 0.68 | **0.53** | 0.40 | |
| 107-02-8 | Acrolein | ND | 2.7 | ND | 1.2 | |
| 67-64-1 | Acetone | **18** | 6.8 | **7.7** | 2.8 | |
| 75-69-4 | Trichlorofluoromethane | **1.2** | 0.68 | **0.21** | 0.12 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | ND | 6.8 | ND | 2.7 | |
| 107-13-1 | Acrylonitrile | ND | 0.68 | ND | 0.31 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.68 | ND | 0.17 | |
| 75-09-2 | Methylene Chloride | ND | 0.68 | ND | 0.19 | |
| 107-05-1 | 3-Chloro-1-propene(Allyl Chloride) | ND | 0.68 | ND | 0.22 | |
| 76-13-1 | Trichlorotrifluoroethane | ND | 0.68 | ND | 0.088 | |
| 75-15-0 | Carbon Disulfide | ND | 6.8 | ND | 2.2 | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 0.68 | ND | 0.17 | |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.68 | ND | 0.17 | |
| 1634-04-4 | Methyl tert-Butyl Ether | ND | 0.68 | ND | 0.19 | |
| 108-05-4 | Vinyl Acetate | ND | 6.8 | ND | 1.9 | |
| 78-93-3 | 2-Butanone (MEK) | ND | 6.8 | ND | 2.3 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **W Crawl Space** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P1504611-002

Test Code: EPA TO-15 Date Collected: 10/27/15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 10/29/15
Analyst: Wida Ang Date Analyzed: 10/29/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Initial Pressure (psig): -0.39 Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | ND | 0.68 | ND | 0.17 | |
| 141-78-6 | Ethyl Acetate | **4.4** | 1.4 | **1.2** | 0.37 | |
| 110-54-3 | n-Hexane | ND | 0.68 | ND | 0.19 | |
| 67-66-3 | Chloroform | ND | 0.68 | ND | 0.14 | |
| 109-99-9 | Tetrahydrofuran (THF) | **0.95** | 0.68 | **0.32** | 0.23 | |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.68 | ND | 0.17 | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.68 | ND | 0.12 | |
| 71-43-2 | Benzene | **0.68** | 0.68 | **0.21** | 0.21 | |
| 56-23-5 | Carbon Tetrachloride | ND | 0.68 | ND | 0.11 | |
| 110-82-7 | Cyclohexane | ND | 1.4 | ND | 0.39 | |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.68 | ND | 0.15 | |
| 75-27-4 | Bromodichloromethane | ND | 0.68 | ND | 0.10 | |
| 79-01-6 | Trichloroethene | ND | 0.68 | ND | 0.13 | |
| 123-91-1 | 1,4-Dioxane | ND | 0.68 | ND | 0.19 | |
| 80-62-6 | Methyl Methacrylate | ND | 1.4 | ND | 0.33 | |
| 142-82-5 | n-Heptane | ND | 0.68 | ND | 0.16 | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.68 | ND | 0.15 | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 0.68 | ND | 0.16 | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.68 | ND | 0.15 | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.68 | ND | 0.12 | |
| 108-88-3 | Toluene | **2.6** | 0.68 | **0.69** | 0.18 | |
| 591-78-6 | 2-Hexanone | ND | 0.68 | ND | 0.16 | |
| 124-48-1 | Dibromochloromethane | ND | 0.68 | ND | 0.079 | |
| 106-93-4 | 1,2-Dibromoethane | ND | 0.68 | ND | 0.088 | |
| 123-86-4 | n-Butyl Acetate | **0.87** | 0.68 | **0.18** | 0.14 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **W Crawl Space** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P1504611-002

Test Code: EPA TO-15 Date Collected: 10/27/15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 10/29/15
Analyst: Wida Ang Date Analyzed: 10/29/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Initial Pressure (psig): -0.39 Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 111-65-9 | n-Octane | ND | 0.68 | ND | 0.14 | |
| 127-18-4 | Tetrachloroethene | ND | 0.68 | ND | 0.10 | |
| 108-90-7 | Chlorobenzene | ND | 0.68 | ND | 0.15 | |
| 100-41-4 | Ethylbenzene | ND | 0.68 | ND | 0.16 | |
| 179601-23-1 | m,p-Xylenes | **1.6** | 1.4 | **0.36** | 0.31 | |
| 75-25-2 | Bromoform | ND | 0.68 | ND | 0.065 | |
| 100-42-5 | Styrene | ND | 0.68 | ND | 0.16 | |
| 95-47-6 | o-Xylene | ND | 0.68 | ND | 0.16 | |
| 111-84-2 | n-Nonane | ND | 0.68 | ND | 0.13 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.68 | ND | 0.098 | |
| 98-82-8 | Cumene | ND | 0.68 | ND | 0.14 | |
| 80-56-8 | alpha-Pinene | **0.98** | 0.68 | **0.18** | 0.12 | |
| 103-65-1 | n-Propylbenzene | ND | 0.68 | ND | 0.14 | |
| 622-96-8 | 4-Ethyltoluene | ND | 0.68 | ND | 0.14 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.68 | ND | 0.14 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.68 | ND | 0.14 | |
| 100-44-7 | Benzyl Chloride | ND | 0.68 | ND | 0.13 | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 0.68 | ND | 0.11 | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 0.68 | ND | 0.11 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 0.68 | ND | 0.11 | |
| 5989-27-5 | d-Limonene | **12** | 0.68 | **2.2** | 0.12 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 0.68 | ND | 0.070 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.68 | ND | 0.091 | |
| 91-20-3 | Naphthalene | ND | 0.68 | ND | 0.13 | |
| 87-68-3 | Hexachlorobutadiene | ND | 0.68 | ND | 0.063 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **Method Blank**
**Client Project ID:** **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P151028-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/15
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 115-07-1 | Propene | ND | 0.50 | ND | 0.29 | |
| 75-71-8 | Dichlorodifluoromethane(CFC 12) | ND | 0.50 | ND | 0.10 | |
| 74-87-3 | Chloromethane | ND | 0.50 | ND | 0.24 | |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | ND | 0.50 | ND | 0.072 | |
| 75-01-4 | Vinyl Chloride | ND | 0.50 | ND | 0.20 | |
| 106-99-0 | 1,3-Butadiene | ND | 0.50 | ND | 0.23 | |
| 74-83-9 | Bromomethane | ND | 0.50 | ND | 0.13 | **L** |
| 75-00-3 | Chloroethane | ND | 0.50 | ND | 0.19 | |
| 64-17-5 | Ethanol | ND | 5.0 | ND | 2.7 | |
| 75-05-8 | Acetonitrile | ND | 0.50 | ND | 0.30 | |
| 107-02-8 | Acrolein | ND | 2.0 | ND | 0.87 | |
| 67-64-1 | Acetone | ND | 5.0 | ND | 2.1 | |
| 75-69-4 | Trichlorofluoromethane | ND | 0.50 | ND | 0.089 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | ND | 5.0 | ND | 2.0 | |
| 107-13-1 | Acrylonitrile | ND | 0.50 | ND | 0.23 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | ND | 0.13 | |
| 75-09-2 | Methylene Chloride | ND | 0.50 | ND | 0.14 | |
| 107-05-1 | 3-Chloro-1-propene(Allyl Chloride) | ND | 0.50 | ND | 0.16 | |
| 76-13-1 | Trichlorotrifluoroethane | ND | 0.50 | ND | 0.065 | |
| 75-15-0 | Carbon Disulfide | ND | 5.0 | ND | 1.6 | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 0.50 | ND | 0.13 | |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.50 | ND | 0.12 | |
| 1634-04-4 | Methyl tert-Butyl Ether | ND | 0.50 | ND | 0.14 | |
| 108-05-4 | Vinyl Acetate | ND | 5.0 | ND | 1.4 | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | ND | 1.7 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **Method Blank** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P151028-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 10/28/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | ND | 0.50 | ND | 0.13 | |
| 141-78-6 | Ethyl Acetate | ND | 1.0 | ND | 0.28 | |
| 110-54-3 | n-Hexane | ND | 0.50 | ND | 0.14 | |
| 67-66-3 | Chloroform | ND | 0.50 | ND | 0.10 | |
| 109-99-9 | Tetrahydrofuran (THF) | ND | 0.50 | ND | 0.17 | |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | ND | 0.12 | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.50 | ND | 0.092 | |
| 71-43-2 | Benzene | ND | 0.50 | ND | 0.16 | |
| 56-23-5 | Carbon Tetrachloride | ND | 0.50 | ND | 0.080 | |
| 110-82-7 | Cyclohexane | ND | 1.0 | ND | 0.29 | |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.50 | ND | 0.11 | |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | ND | 0.075 | |
| 79-01-6 | Trichloroethene | ND | 0.50 | ND | 0.093 | |
| 123-91-1 | 1,4-Dioxane | ND | 0.50 | ND | 0.14 | |
| 80-62-6 | Methyl Methacrylate | ND | 1.0 | ND | 0.24 | |
| 142-82-5 | n-Heptane | ND | 0.50 | ND | 0.12 | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | ND | 0.11 | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 0.50 | ND | 0.12 | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | ND | 0.11 | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.50 | ND | 0.092 | |
| 108-88-3 | Toluene | ND | 0.50 | ND | 0.13 | |
| 591-78-6 | 2-Hexanone | ND | 0.50 | ND | 0.12 | |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | ND | 0.059 | |
| 106-93-4 | 1,2-Dibromoethane | ND | 0.50 | ND | 0.065 | |
| 123-86-4 | n-Butyl Acetate | ND | 0.50 | ND | 0.11 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

RESULTS OF ANALYSIS



**Client:** **CT Laboratories**
**Client Sample ID:** **Method Blank** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P151028-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 10/28/15
Sample Type: Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

| CAS # | Compound | Result µg/m³ | MRL µg/m³ | Result ppbV | MRL ppbV | Data Qualifier |
|---|---|---|---|---|---|---|
| 111-65-9 | n-Octane | ND | 0.50 | ND | 0.11 | |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | ND | 0.074 | |
| 108-90-7 | Chlorobenzene | ND | 0.50 | ND | 0.11 | |
| 100-41-4 | Ethylbenzene | ND | 0.50 | ND | 0.12 | |
| 179601-23-1 | m,p-Xylenes | ND | 1.0 | ND | 0.23 | |
| 75-25-2 | Bromoform | ND | 0.50 | ND | 0.048 | |
| 100-42-5 | Styrene | ND | 0.50 | ND | 0.12 | |
| 95-47-6 | o-Xylene | ND | 0.50 | ND | 0.12 | |
| 111-84-2 | n-Nonane | ND | 0.50 | ND | 0.095 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | ND | 0.073 | |
| 98-82-8 | Cumene | ND | 0.50 | ND | 0.10 | |
| 80-56-8 | alpha-Pinene | ND | 0.50 | ND | 0.090 | |
| 103-65-1 | n-Propylbenzene | ND | 0.50 | ND | 0.10 | |
| 622-96-8 | 4-Ethyltoluene | ND | 0.50 | ND | 0.10 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.50 | ND | 0.10 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.50 | ND | 0.10 | |
| 100-44-7 | Benzyl Chloride | ND | 0.50 | ND | 0.097 | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 0.50 | ND | 0.083 | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 0.50 | ND | 0.083 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 0.50 | ND | 0.083 | |
| 5989-27-5 | d-Limonene | ND | 0.50 | ND | 0.090 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 0.50 | ND | 0.052 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.50 | ND | 0.067 | |
| 91-20-3 | Naphthalene | ND | 0.50 | ND | 0.095 | |
| 87-68-3 | Hexachlorobutadiene | ND | 0.50 | ND | 0.047 | |

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS



**Client:** **CT Laboratories**
**Client Project ID:** **Tower Motel** ALS Project ID: P1504611

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date(s) Collected: 10/27/15
Analyst: Wida Ang Date(s) Received: 10/29/15
Sample Type: Canister(s) Date(s) Analyzed: 10/28 - 10/29/15
Test Notes:

| Client Sample ID | ALS Sample ID | 1,2-Dichloroethane-d4 Percent Recovered | Toluene-d8 Percent Recovered | Bromofluorobenzene Percent Recovered | Acceptance Limits | Data Qualifier |
|---|---|---|---|---|---|---|
| Method Blank | P151028-MB | **114** | **101** | **89** | 70-130 | |
| Lab Control Sample | P151028-LCS | **117** | **101** | **92** | 70-130 | |
| E Crawl Space | P1504611-001 | **107** | **94** | **91** | 70-130 | |
| W Crawl Space | P1504611-002 | **108** | **101** | **91** | 70-130 | |

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

# ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY



**Client:** **CT Laboratories**
**Client Sample ID:** **Lab Control Sample** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P151028-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 10/28/15
Sample Type: Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

| CAS # | Compound | Spike Amount µg/m³ | Result µg/m³ | % Recovery | ALS Acceptance Limits | Data Qualifier |
|---|---|---|---|---|---|---|
| 115-07-1 | Propene | 196 | **220** | **112** | 49-131 | |
| 75-71-8 | Dichlorodifluoromethane(CFC 12) | 188 | **204** | **109** | 65-117 | |
| 74-87-3 | Chloromethane | 200 | **220** | **110** | 48-132 | |
| 76-14-2 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) | 204 | **235** | **115** | 65-122 | |
| 75-01-4 | Vinyl Chloride | 200 | **255** | **128** | 65-128 | |
| 106-99-0 | 1,3-Butadiene | 206 | **268** | **130** | 62-143 | |
| 74-83-9 | Bromomethane | 202 | **277** | **137** | 65-130 | **L** |
| 75-00-3 | Chloroethane | 200 | **209** | **105** | 69-126 | |
| 64-17-5 | Ethanol | 998 | **1050** | **105** | 57-126 | |
| 75-05-8 | Acetonitrile | 212 | **204** | **96** | 51-134 | |
| 107-02-8 | Acrolein | 214 | **200** | **93** | 55-146 | |
| 67-64-1 | Acetone | 1,080 | **1140** | **106** | 57-120 | |
| 75-69-4 | Trichlorofluoromethane | 216 | **216** | **100** | 59-139 | |
| 67-63-0 | 2-Propanol (Isopropyl Alcohol) | 418 | **480** | **115** | 59-129 | |
| 107-13-1 | Acrylonitrile | 212 | **225** | **106** | 64-136 | |
| 75-35-4 | 1,1-Dichloroethene | 216 | **216** | **100** | 72-123 | |
| 75-09-2 | Methylene Chloride | 222 | **203** | **91** | 63-117 | |
| 107-05-1 | 3-Chloro-1-propene(Allyl Chloride) | 218 | **210** | **96** | 50-141 | |
| 76-13-1 | Trichlorotrifluoroethane | 220 | **202** | **92** | 68-118 | |
| 75-15-0 | Carbon Disulfide | 210 | **169** | **80** | 55-143 | |
| 156-60-5 | trans-1,2-Dichloroethene | 210 | **200** | **95** | 69-129 | |
| 75-34-3 | 1,1-Dichloroethane | 212 | **190** | **90** | 66-122 | |
| 1634-04-4 | Methyl tert-Butyl Ether | 216 | **207** | **96** | 55-128 | |
| 108-05-4 | Vinyl Acetate | 1,040 | **1220** | **117** | 66-140 | |
| 78-93-3 | 2-Butanone (MEK) | 220 | **205** | **93** | 62-127 | |

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

# ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY



**Client:** **CT Laboratories**
**Client Sample ID:** **Lab Control Sample** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P151028-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 10/28/15
Sample Type: Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

| CAS # | Compound | Spike Amount µg/m³ | Result µg/m³ | % Recovery | ALS Acceptance Limits | Data Qualifier |
|---|---|---|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 218 | **207** | **95** | 65-125 | |
| 141-78-6 | Ethyl Acetate | 428 | **407** | **95** | 64-132 | |
| 110-54-3 | n-Hexane | 212 | **197** | **93** | 58-126 | |
| 67-66-3 | Chloroform | 224 | **211** | **94** | 68-117 | |
| 109-99-9 | Tetrahydrofuran (THF) | 220 | **216** | **98** | 64-123 | |
| 107-06-2 | 1,2-Dichloroethane | 214 | **240** | **112** | 63-124 | |
| 71-55-6 | 1,1,1-Trichloroethane | 210 | **193** | **92** | 68-120 | |
| 71-43-2 | Benzene | 226 | **206** | **91** | 61-110 | |
| 56-23-5 | Carbon Tetrachloride | 230 | **214** | **93** | 65-137 | |
| 110-82-7 | Cyclohexane | 424 | **401** | **95** | 68-122 | |
| 78-87-5 | 1,2-Dichloropropane | 216 | **198** | **92** | 67-122 | |
| 75-27-4 | Bromodichloromethane | 218 | **213** | **98** | 71-124 | |
| 79-01-6 | Trichloroethene | 216 | **185** | **86** | 71-121 | |
| 123-91-1 | 1,4-Dioxane | 210 | **214** | **102** | 67-122 | |
| 80-62-6 | Methyl Methacrylate | 422 | **434** | **103** | 76-130 | |
| 142-82-5 | n-Heptane | 216 | **203** | **94** | 67-125 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 208 | **209** | **100** | 73-131 | |
| 108-10-1 | 4-Methyl-2-pentanone | 220 | **221** | **100** | 66-132 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 210 | **250** | **119** | 76-135 | |
| 79-00-5 | 1,1,2-Trichloroethane | 216 | **210** | **97** | 73-121 | |
| 108-88-3 | Toluene | 218 | **215** | **99** | 67-117 | |
| 591-78-6 | 2-Hexanone | 220 | **234** | **106** | 59-128 | |
| 124-48-1 | Dibromochloromethane | 220 | **221** | **100** | 73-132 | |
| 106-93-4 | 1,2-Dibromoethane | 218 | **215** | **99** | 73-128 | |
| 123-86-4 | n-Butyl Acetate | 226 | **228** | **101** | 61-136 | |

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

# ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY



**Client:** **CT Laboratories**
**Client Sample ID:** **Lab Control Sample** ALS Project ID: P1504611
**Client Project ID:** **Tower Motel** ALS Sample ID: P151028-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
Analyst: Wida Ang Date Analyzed: 10/28/15
Sample Type: Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

| CAS # | Compound | Spike Amount µg/m³ | Result µg/m³ | % Recovery | ALS Acceptance Limits | Data Qualifier |
|---|---|---|---|---|---|---|
| 111-65-9 | n-Octane | 210 | **201** | **96** | 67-124 | |
| 127-18-4 | Tetrachloroethene | 202 | **182** | **90** | 65-126 | |
| 108-90-7 | Chlorobenzene | 220 | **196** | **89** | 68-120 | |
| 100-41-4 | Ethylbenzene | 218 | **201** | **92** | 69-123 | |
| 179601-23-1 | m,p-Xylenes | 428 | **394** | **92** | 67-125 | |
| 75-25-2 | Bromoform | 228 | **214** | **94** | 68-153 | |
| 100-42-5 | Styrene | 222 | **215** | **97** | 68-132 | |
| 95-47-6 | o-Xylene | 210 | **193** | **92** | 67-124 | |
| 111-84-2 | n-Nonane | 204 | **191** | **94** | 60-130 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 210 | **199** | **95** | 72-128 | |
| 98-82-8 | Cumene | 208 | **187** | **90** | 67-124 | |
| 80-56-8 | alpha-Pinene | 212 | **199** | **94** | 67-129 | |
| 103-65-1 | n-Propylbenzene | 204 | **180** | **88** | 67-125 | |
| 622-96-8 | 4-Ethyltoluene | 214 | **197** | **92** | 66-128 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 214 | **198** | **93** | 65-125 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 218 | **196** | **90** | 62-134 | |
| 100-44-7 | Benzyl Chloride | 220 | **304** | **138** | 74-145 | |
| 541-73-1 | 1,3-Dichlorobenzene | 228 | **203** | **89** | 63-133 | |
| 106-46-7 | 1,4-Dichlorobenzene | 208 | **194** | **93** | 62-129 | |
| 95-50-1 | 1,2-Dichlorobenzene | 220 | **190** | **86** | 62-134 | |
| 5989-27-5 | d-Limonene | 210 | **203** | **97** | 66-137 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 218 | **234** | **107** | 71-147 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 230 | **207** | **90** | 60-145 | |
| 91-20-3 | Naphthalene | 218 | **201** | **92** | 56-158 | |
| 87-68-3 | Hexachlorobutadiene | 230 | **196** | **85** | 56-139 | |

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.